



МойОфис
**Комплект Средств
Разработки (SDK)**

Руководство программиста

MYOFFICE COLLABORATION SERVER API

2.3

ООО «НОВЫЕ ОБЛАЧНЫЕ ТЕХНОЛОГИИ»

**ПРОГРАММНОЕ ОБЕСПЕЧЕНИЕ
«МОЙОФИС КОМПЛЕКТ СРЕДСТВ РАЗРАБОТКИ (SDK)»**

MYOFFICE COLLABORATION SERVER API

РУКОВОДСТВО ПРОГРАММИСТА

2.3

На 185 листах

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1. ВВЕДЕНИЕ

В данном документе представлено описание REST протокола для работы с файловой системой и редакторами МойОфис. Описаны методы, используемые при авторизации (Auth API), работе с файлами (Files API), документами (Document API), а также приведен список нотификаций от сервера и кодов ошибок. Все дальнейшие описания сгенерированы автоматически на основе исходного кода, по этой причине содержимое глав данного документа приведено на английском языке.

2. HTTP verbs

RESTful notes tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP verbs.

| Verb | Usage |
|--------|---|
| GET | Used to retrieve a resource. |
| HEAD | Used to check a resource. |
| POST | Used to create a new resource. |
| PATCH | Used to update an existing resource, including partial updates. |
| DELETE | Used to delete an existing resource. |

3. HTTP status codes

RESTful notes tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP status codes.

| Status code | Usage |
|---------------------------|---|
| 200 OK | The request completed successfully. |
| 202 Accepted | The request has been accepted for processing, but the processing has not been completed. |
| 201 Created | The request has been fulfilled and has resulted in one or more new resources being created. |
| 206 Partial Content | The the server is successfully fulfilling a range request for the target resource by transferring one or more parts of the selected representation that correspond to the satisfiable ranges found in the request's Range header field. |
| 304 Not Modified | The requested resource was not modified. |
| 400 Bad Request | The request was failed. The response body will include an error providing further information. |
| 401 Unauthorized | The request has not been applied because it lacks valid authentication credentials for the target resource. |
| 403 Forbidden | The requested resource cannot be returned because of authorization problems. |
| 404 Not Found | The requested resource did not exist. |
| 500 Internal Server Error | The server encountered an unexpected condition that prevented it from fulfilling the request. |

4. Errors

Whenever an error response (status code ≥ 400) is returned, the body will contain a JSON object that describes the problem. The error object has the following structure:

| Path | Type | Description |
|---------|--------|----------------|
| code | String | Error code. |
| message | String | Error message. |

For example, a request that attempts to get file metadata by the non-existent id will produce a **400 Bad Request** response:

```
HTTP/1.1 404 Not Found
X-co-request-id: 44427449563762593056724f56476351
X-REQUEST-ID: heyieuyhczbkibw
Content-Type: application/json
Content-Length: 81

{
  "code" : "srv_err_file_not_found",
  "message" : "SrvFileNotFoundException"
}
```

4.1 Error codes

| Code | Description |
|------------------------------|---|
| srv_err_unknown | Bad FS response. |
| srv_err_file_get | File isn't accessible. Error downloading file. |
| srv_err_upload | Error uploading file. |
| srv_err_upload_queue_timeout | Error file uploading and file drops out from queue. [Since 2020.01] |
| srv_err_invalid_param | Invalid parameter in request. |
| srv_err_fs_access | 502/504. Fs API access errors. |
| srv_err_unauthorized | FS reason (code 1, Not Authorized). |
| srv_err_file_access_denied | FS reason (code 24, Permissions Denied). |
| srv_err_file_not_found | FS reason (code 45, Object not found). |
| srv_err_file_already_exist | FS reason (code 26, Object exists). |
| srv_err_preview_not_found | Error downloading file preview. |
| srv_err_thumbnail_not_found | Error on getting thumbnail for a file. |

| Code | Description |
|--|--|
| srv_err_thumbnail_generation_not_supported | Thumbnail generation is not supported for such type. |
| srv_err_prerender_not_found | Prerender is not found because it can be not generated or belongs to another file. |
| srv_err_prerender_obsolete | Prerender is obsolete. Prerender should be refreshed after file is closed. |
| srv_err_sharing | Error sharing file. |
| srv_err_cant_copy_to_itself | Error copying folder to itself. |
| srv_err_cant_move_to_itself | Error moving folder to itself. |
| srv_err_excess_of_quota | Error of operation that excess of user quota. |
| srv_err_multiple_sharing | Error when try to invoke multiple sharing. |
| srv_err_object_is_not_shared | FS reason (code 66, Object is not shared). |
| srv_err_file_in_trash | Operation could not be invoked on file in trash. |
| srv_err_invalid_dir_id | FS reason (code 19, Invalid dirId is passed). |
| srv_err_invalid_filename | Filename contains incorrect symbols for FS or exceed 255 symbols. |
| srv_err_incorrect_login | FS reason (code 2, Incorrect login). |
| srv_err_path_not_found | FS reason (code 58, Path is not found). |
| srv_err_untrash_path_not_found | File path for operation is not found. |
| srv_err_cant_share_to_myself | Cannot share to myself. |
| srv_err_document_is_opened | Document in collaboration cannot be edited. |
| srv_err_cu_oom | Out of memory in CU. |
| srv_err_cu_timeout | Conversion is not ended in time on CU. |
| srv_err_cu_unsuccess | Conversion ends with common CU error (exit code 1). |
| srv_err_cu_password_protected_file | File to convert is password protected. |
| srv_err_invalid_zip_request_id | Specified zip request id is expired or invalid. |
| srv_err_pregen_timeout | Pregen is not generated in time (85 seconds). |
| srv_err_pregen_not_ready | Pregen is not ready to take requests (queue is full, service restart, not ready). |
| srv_err_media_not_found | Error on return media. It can be absent in document or server error. |
| srv_err_media_upload | Error on uploading media to document. |
| srv_err_tenant_blocked | Tenant is blocked for this user. |
| srv_err_internal_error | Server internal error occurred. |
| srv_err_pregen_common | Internal Pregen error (could be misconfigured or |

| Code | Description |
|--|--|
| | restarted). |
| srv_err_pregen_incompatible_core | Pregen has incompatible core version. |
| srv_err_jod_exception | JOD conversion error. |
| srv_err_jod_password_protected_exception | File to convert by JOD is password protected. |
| srv_err_jod_timeout_exception | JOD conversion is not ended in time. |
| srv_err_external_host_exception | External host cannot process request due its limitations. |
| srv_err_invalid_extension | File to convert has invalid extension. |
| srv_err_user_is_temporary_blocked | User is not found or temporary blocked. |
| srv_err_ip_is_temporary_blocked | IP is temporarily blocked from access to public link. |
| srv_err_link_is_temporary_blocked | Link is temporarily blocked for public access. |
| srv_err_password_has_been_reset_by_admin | Password has been reset by administrator. |
| srv_err_password_has_been_reset_by_user | Password has been reset by user. |
| srv_err_pregen_oom | File is corrupted or complicated (so its conversion ended with OOM). |
| srv_err_fs_exception | 400. FS reason. |
| srv_err_nps_common | Nps conversion is not ended |
| srv_err_nps_oom | Nps is out of memory. |
| srv_err_nps_netpbm_timeout | Netpbm conversion is not ended in time |
| srv_err_fs_password_policy_violation | Password for public link is not match policy |

4.2 Error codes for document operations

| Code | Description |
|---------------------------------|---|
| du_err_timeout | DU doesn't answer on open message. |
| du_err_container_not_started | Docker container start error. |
| du_err_cannot_start_du | DU cannot start due internal errors. |
| du_err_du_was_cleared | DU for document was deleted during lifecycle. |
| du_err_du_folder_does_not_exist | DU has no working folder. |
| du_err_queue_error | Message to DU wasn't sent. |
| du_err_filefailed | DU cannot load/parse document. |
| du_err_rom_document_cannot_open | Trouble on generating ROM data (re-try in romdocuments.failurescheck.intervalSecs). |
| du_err_parallel_request | Several documents are trying to open on same DU. Re-try is needed. |

| Code | Description |
|----------------------------|---|
| du_err_reinit | Removing DU after collaboration. |
| du_err_file_save_failed | DU cannot save document to FS or local work folder. |
| du_err_file_save_io_error | DCM cannot save document because DU has input/output error. |
| du_err_file_save_low_space | DCM cannot save document because DU has low space. |
| du_err_file_save_no_file | No file from DU to save by DCM. |
| srv_err_internal_error | Server internal error occurred. |

5. Auth API

5.1 Authenticate user through FS service for mobile

Implementation Notes: This API requires a secure connection, passing password as a plain text. Also, application/json input in body is preferable. If login contains no domain, the configured one is added. If server returns HTTP error 400 with code=526 then valid captcha/captcha_id params are required to proceed.

```
POST /api/v1/auth/login
```

```
HTTP/1.1 200 OK
```

5.1.1 Request fields

| Path | Type | Description |
|------------|--------|--|
| login | String | FS login string. |
| password | String | FS password string. |
| captcha | String | Captcha value from user input. Not required. |
| captcha_id | String | Captcha id obtained from /api/v1/auth/captcha request. Not required. |

5.1.2 Response structure

| Path | Type | Description |
|-------|--------|---------------------------|
| token | String | User's token for session. |

5.1.2 Example request

```
$ curl -XPOST 'https://coapi-stand.devoffice.ru/api/v1/auth/login' -H
'Content-Type: application/json;charset=UTF-8' -d '{
  "login": "login@myoffice.ru",
  "password": "password_for_user"
}'
```

5.1.3 Example response

```
HTTP/1.1 200 OK
Content-Length: 162
```

```
Content-Type: application/json
{
  "token" : "03232hwlp0Bx2gY2bFZ",
  "success" : "true"
}
```

5.2 Authenticate user through FS service for web

Implementation Notes: This API requires a secure connection, passing password as a plain text. Also, application/json input in body is preferable. If login contains no domain, the configured one is added. If server returns HTTP error 400 with code=526 then valid captcha/captcha_id params are required to proceed.

```
POST /login

HTTP/1.1 200 OK
```

5.2.1 Request fields

| Path | Type | Description |
|------------|--------|--|
| login | String | FS login string. |
| password | String | FS password string. |
| captcha | String | Captcha value from user input. Not required. |
| captcha_id | String | Captcha id obtained from /api/v1/auth/captcha request. Not required. |

5.2.2 Response structure

| Path | Type | Description |
|-------|--------|---------------------------|
| token | String | User's token for session. |

5.2.3 Example request

```
$ curl 'https://auth-stand.devoffice.ru/login' -H 'content-type: application/json' --data '{"login":"login@myoffice.ru","password":"password_for_user"}
```

5.2.4 Example response

```
HTTP/1.1 200 OK
```

```
Content-Length: 162
Content-Type: application/json
{
  "token" : "03232hw1p0Bx2gY2bFZ",
  "success" : "true"
}
```

6. Info API

6.1 Get common info

GET /api/v1/info HTTP/1.1

Response structure

| Path | Type | Description |
|---|--------|--|
| info.exportFormats[].source | String | The source media-types that are allowed for export. |
| info.exportFormats[].targets[] | Array | Target media-types that are allowed to export . |
| info.importFormats[].sourceMediaTypes[] | Array | The media-types that are allowed to import into the internal CO formats. |
| info.importFormats[].sourceExtensions[] | Array | The extensions that are allowed to import into the internal CO formats. |
| info.importFormats[].target | String | The media-type of internal CO format to import. |
| info.internalFormats[].mediaType | String | The internal CO formats media-types. |
| info.internalFormats[].extension | String | The internal CO formats extensions. |
| info.features | Array | List of additional features enabled on this account. |
| info.maxUploadSizes | Array | List of max upload sizes for each file type. The most specific type takes precedence. |
| info.roots[] | Array | The list of root folders (typically Shared, Trash and Personal). See Get file info |
| info.roles | Array | The list of available roles. (editor viewer) |
| info.versions.appVersion | String | Current app version. |
| info.versions.fileApiVersion | String | Current file API version. |
| info.versions.collaborationApiVersion | String | Current collaboration API version. |
| info.versions.fileStorageApiVersion | String | Current file storage API |

| Path | Type | Description |
|---|---------|--|
| | | versions. |
| links | Array | Links to available API's. |
| info.roots[].id | String | The ID of the file. |
| info.roots[].filename | String | The name of the file. |
| info.roots[].mediaType | String | The media type of the file. |
| info.roots[].createdDate | Date | Create time for this file (formatted ISO8601 timestamp) |
| info.roots[].fileSize | Number | The size of the file in bytes. |
| info.roots[].lastModifyingUserId | String | The ID of the user who last modified the file. |
| info.roots[].lastModifyingUserFsId | String | The FS ID of the user who last modified the file. |
| info.roots[].lastModifyingUserFirstName | String | The first name of the user who last modified the file. |
| info.roots[].lastModifyingUserLastName | String | The last name of the user who last modified the file. |
| info.roots[].modifiedByMeDate | Date | Last time this file was modified by the user (formatted RFC 3339 timestamp). |
| info.roots[].autoCreationRevisions | Boolean | Should new version of file be created automatically during collaboration. |
| info.roots[].lastViewedByMeDate | Date | Last time this file was viewed by the user (formatted RFC 3339 timestamp). |
| info.roots[].sharedWithMeDate | Date | Time at which this file was shared with the user (formatted RFC 3339 timestamp). |
| info.roots[].modifiedDate | Date | Last time this file was modified by anyone (formatted RFC 3339 timestamp). |
| info.roots[].parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| info.roots[].creator | String | The original creator (userId) |

| Path | Type | Description |
|------------------------------------|---------|--|
| | | of this file. |
| info.roots[].creatorFsId | String | The FS ID of the user who create the file. |
| info.roots[].creatorFirstName | String | The first name of the user who create the file. |
| info.roots[].creatorLastName | String | The last name of the user who create the file. |
| info.roots[].properties | Array | The list of file's properties. |
| info.roots[].checksum | String | An MD5 checksum for the content of this file |
| info.roots[].headRevisionId | String | The ID of the file's head (last) revision. |
| info.roots[].isVersion | Boolean | The file is version or not. |
| info.roots[].prerender | String | The id of prerendered file. |
| info.roots[].preview | String | The id of preview file. |
| info.roots[].previewFailureMark | Date | Flag to show unix time of unsuccessful preview generation. |
| info.roots[].ownerId | String | The owner (userId) of this file. |
| info.roots[].etag | String | ETag (HTTP Entity Tag) of the file. |
| info.roots[].ownerFsId | String | The owner (userId) of this file. |
| info.roots[].publicLinkId | String | Public link id. [Since 2021.03] |
| info.roots[].tree | String | Absolute path to this file for current user. Set of parent's names and name of the file. |
| info.roots[].ownerFirstName | String | The owner first name of this file. |
| info.roots[].ownerLastName | String | The owner last name of this file. |
| info.roots[].totalSize | Number | Total size of all file's versions. |
| info.roots[].currentRevisionObject | Object | Current revision object. See Get file revision |
| info.roots[].previewClientVersion | String | Version of preview client that generated preview |

| Path | Type | Description |
|---------------------------------|---------|--|
| info.roots[].specialDir | String | Type of special folder, if present |
| info.roots[].originalFileIdOpt | String | Exist only for version and contained file id |
| info.roots[].creatorIsDeleted | Boolean | Show that creator is deleted |
| info.roots[].editorIsDeleted | Boolean | Show that editor is deleted |
| info.roots[].ownerIsDeleted | Boolean | Show that owner is deleted |
| info.roots[].properties[].id | String | The file's property id. |
| info.roots[].properties[].key | String | The file's property key. |
| info.roots[].properties[].value | String | The file's property value. |

Example request

```
$ curl 'http://localhost:8080/api/v1/info' -i -X GET \
-H 'X-co-auth-token: 1ecbc309ad4f72708a76dae5c61efd24'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 6e534765784f5037336d46434d39526f
X-REQUEST-ID: xdbbrjxsmkbeuxy, bykpkseyefwpben, oxhmqluqxbnamqg,
vyvibinnpzgwxq
Content-Type:
application/vnd.ncloudtech.cloudoffice.info+json;v=1;charset=UTF-8
Content-Length: 15905

{
  "info" : {
    "exportFormats" : [ {
      "source" : "application/vnd.collabio.xodocuments.document",
      "targets" : [ "application/vnd.collabio.xodocuments.document",
"application/vnd.openxmlformats-
officedocument.wordprocessingml.document",
"application/vnd.oasis.opendocument.text", "application/pdf" ]
    }, {
      "source" : "application/vnd.collabio.xodocuments.spreadsheet",
      "targets" : [ "application/vnd.collabio.xodocuments.spreadsheet",
"application/vnd.openxmlformats-officedocument.spreadsheetml.sheet",
"application/vnd.oasis.opendocument.spreadsheet", "application/pdf" ]
    }, {
```

```

        "source" : "application/vnd.collabio.xodocuments.document-
template",
        "targets" : [ "application/vnd.collabio.xodocuments.document-
template", "application/vnd.openxmlformats-
officedocument.wordprocessingml.document",
"application/vnd.oasis.opendocument.text", "application/pdf" ]
    }, {
        "source" : "application/vnd.collabio.xodocuments.spreadsheet-
template",
        "targets" : [ "application/vnd.collabio.xodocuments.spreadsheet-
template", "application/vnd.openxmlformats-
officedocument.spreadsheetml.sheet",
"application/vnd.oasis.opendocument.spreadsheet", "application/pdf" ]
    }, {
        "source" : "application/vnd.oasis.opendocument.text",
        "targets" : [ "application/vnd.oasis.opendocument.text",
"application/vnd.collabio.xodocuments.document", "application/pdf" ]
    }, {
        "source" : "application/vnd.openxmlformats-
officedocument.wordprocessingml.document",
        "targets" : [ "application/vnd.openxmlformats-
officedocument.wordprocessingml.document",
"application/vnd.collabio.xodocuments.document", "application/pdf" ]
    }, {
        "source" : "application/rtf",
        "targets" : [ "application/rtf",
"application/vnd.collabio.xodocuments.document", "application/pdf" ]
    }, {
        "source" : "text/plain",
        "targets" : [ "text/plain",
"application/vnd.collabio.xodocuments.document", "application/pdf" ]
    }, {
        "source" : "application/vnd.oasis.opendocument.text-template",
        "targets" : [ "application/vnd.oasis.opendocument.text-template",
"application/vnd.collabio.xodocuments.document-template",
"application/pdf" ]
    }, {
        "source" : "application/vnd.openxmlformats-
officedocument.wordprocessingml.template",
        "targets" : [ "application/vnd.openxmlformats-
officedocument.wordprocessingml.template",
"application/vnd.collabio.xodocuments.document-template",
"application/pdf" ]
    }, {
        "source" : "application/vnd.ms-word.template.macroenabled.12",

```



```

        "targets" : [ "application/vnd.ms-word.template.macroenabled.12",
"application/pdf" ]
    }, {
        "source" : "application/vnd.ms-word.document.macroenabled.12",
        "targets" : [ "application/vnd.ms-word.document.macroenabled.12",
"application/pdf" ]
    }, {
        "source" : "application/msword",
        "targets" : [ "application/msword",
"application/vnd.collabio.xodocuments.document",
"application/vnd.collabio.xodocuments.document-template",
"application/pdf" ]
    }, {
        "source" : "application/vnd.ms-excel",
        "targets" : [ "application/vnd.ms-excel",
"application/vnd.collabio.xodocuments.spreadsheet",
"application/vnd.collabio.xodocuments.spreadsheet-template" ]
    }, {
        "source" : "application/vnd.oasis.opendocument.spreadsheet-
template",
        "targets" : [ "application/vnd.oasis.opendocument.spreadsheet-
template", "application/vnd.collabio.xodocuments.spreadsheet-template" ]
    }, {
        "source" : "application/vnd.openxmlformats-
officedocument.spreadsheetml.template",
        "targets" : [ "application/vnd.openxmlformats-
officedocument.spreadsheetml.template",
"application/vnd.collabio.xodocuments.spreadsheet-template" ]
    }, {
        "source" : "application/vnd.openxmlformats-
officedocument.spreadsheetml.sheet",
        "targets" : [ "application/vnd.openxmlformats-
officedocument.spreadsheetml.sheet",
"application/vnd.collabio.xodocuments.spreadsheet" ]
    }, {
        "source" : "application/vnd.ms-excel.sheet.macroenabled.12",
        "targets" : [ "application/vnd.ms-excel.sheet.macroenabled.12" ]
    }, {
        "source" : "application/vnd.ms-excel.template.macroenabled.12",
        "targets" : [ "application/vnd.ms-excel.template.macroenabled.12"
]
    }, {
        "source" : "application/vnd.oasis.opendocument.spreadsheet",
        "targets" : [ "application/vnd.oasis.opendocument.spreadsheet",
"application/vnd.collabio.xodocuments.spreadsheet" ]
    }, {

```

```
    "source" : "application/vnd.openxmlformats-  
officedocument.presentationml.slideshow",  
    "targets" : [ "application/vnd.openxmlformats-  
officedocument.presentationml.slideshow", "application/pdf" ]  
  }, {  
    "source" : "application/vnd.collabio.xodocuments.presentation",  
    "targets" : [  
"application/vnd.collabio.xodocuments.presentation",  
"application/vnd.openxmlformats-  
officedocument.presentationml.presentation",  
"application/vnd.oasis.opendocument.presentation", "application/pdf" ]  
  }, {  
    "source" : "application/vnd.collabio.xodocuments.presentation-  
template",  
    "targets" : [ "application/vnd.collabio.xodocuments.presentation-  
template", "application/vnd.openxmlformats-  
officedocument.presentationml.presentation",  
"application/vnd.oasis.opendocument.presentation", "application/pdf" ]  
  }, {  
    "source" : "application/vnd.oasis.opendocument.presentation",  
    "targets" : [ "application/vnd.oasis.opendocument.presentation",  
"application/vnd.collabio.xodocuments.presentation", "application/pdf" ]  
  }, {  
    "source" : "application/vnd.oasis.opendocument.presentation-  
template",  
    "targets" : [ "application/vnd.oasis.opendocument.presentation-  
template", "application/vnd.collabio.xodocuments.presentation-template",  
"application/pdf" ]  
  }, {  
    "source" : "application/vnd.openxmlformats-  
officedocument.presentationml.template",  
    "targets" : [ "application/vnd.openxmlformats-  
officedocument.presentationml.template",  
"application/vnd.collabio.xodocuments.presentation-template",  
"application/pdf" ]  
  }, {  
    "source" : "application/vnd.ms-powerpoint",  
    "targets" : [  
"application/vnd.collabio.xodocuments.presentation",  
"application/vnd.collabio.xodocuments.presentation-template",  
"application/vnd.ms-powerpoint", "application/pdf" ]  
  }, {  
    "source" : "application/vnd.openxmlformats-  
officedocument.presentationml.presentation",  
    "targets" : [  
"application/vnd.collabio.xodocuments.presentation",
```

```

"application/vnd.openxmlformats-
officedocument.presentationml.presentation", "application/pdf" ]
    }, {
        "source" : "application/vnd.openxmlformats-
officedocument.presentationml.template",
        "targets" : [ "application/vnd.collabio.xodocuments.presentation-
template", "application/vnd.openxmlformats-
officedocument.presentationml.template", "application/pdf" ]
    }, {
        "source" : "application/vnd.ms-
powerpoint.presentation.macroenabled.12",
        "targets" : [ "application/vnd.ms-
powerpoint.presentation.macroenabled.12", "application/pdf" ]
    }, {
        "source" : "application/vnd.ms-
powerpoint.template.macroenabled.12",
        "targets" : [ "application/vnd.ms-
powerpoint.template.macroenabled.12", "application/pdf" ]
    }, {
        "source" : "application/vnd.ms-
powerpoint.slideshow.macroenabled.12",
        "targets" : [ "application/vnd.ms-
powerpoint.slideshow.macroenabled.12", "application/pdf" ]
    }, {
        "source" : "application/vnd.ms-powerpoint",
        "targets" : [ "application/vnd.ms-powerpoint", "application/pdf" ]
    ]
    "importFormats" : [ {
        "sourceMediaTypes" : [ "text/plain",
"application/vnd.oasis.opendocument.text", "application/msword",
"application/vnd.openxmlformats-
officedocument.wordprocessingml.document", "application/rtf" ],
        "sourceExtensions" : [ "txt", "odt", "doc", "docx", "rtf" ],
        "target" : "application/vnd.collabio.xodocuments.document"
    }, {
        "sourceMediaTypes" : [ "application/vnd.ms-excel",
"application/vnd.openxmlformats-officedocument.spreadsheetml.sheet",
"text/csv", "text/tab-separated-values", "text/tab-separated-values",
"text/tab-separated-values", "text/tab-separated-values",
"application/vnd.oasis.opendocument.spreadsheet" ],
        "sourceExtensions" : [ "xls", "xlsx", "csv", "tsv", "tab",
"scsv", "dsv", "ods" ],
        "target" : "application/vnd.collabio.xodocuments.spreadsheet"
    }, {

```

```
    "sourceMediaTypes" : [ "application/msword",
"application/vnd.oasis.opendocument.text-template",
"application/vnd.openxmlformats-officedocument.wordprocessingml.template"
],
    "sourceExtensions" : [ "dot", "ott", "dotx" ],
    "target" : "application/vnd.collabio.xodocuments.document-
template"
  }, {
    "sourceMediaTypes" : [ "application/vnd.ms-excel",
"application/vnd.oasis.opendocument.spreadsheet-template",
"application/vnd.openxmlformats-officedocument.spreadsheetml.template" ],
    "sourceExtensions" : [ "xlt", "ots", "xltx" ],
    "target" : "application/vnd.collabio.xodocuments.spreadsheet-
template"
  }, {
    "sourceMediaTypes" : [
"application/vnd.oasis.opendocument.presentation", "application/vnd.ms-
powerpoint", "application/vnd.openxmlformats-
officedocument.presentationml.presentation" ],
    "sourceExtensions" : [ "odp", "ppt", "pptx" ],
    "target" : "application/vnd.collabio.xodocuments.presentation"
  }, {
    "sourceMediaTypes" : [
"application/vnd.oasis.opendocument.presentation-template",
"application/vnd.openxmlformats-officedocument.presentationml.template",
"application/vnd.ms-powerpoint" ],
    "sourceExtensions" : [ "otp", "potx", "pot" ],
    "target" : "application/vnd.collabio.xodocuments.presentation-
template"
  } ],
  "internalFormats" : [ {
    "mediaType" : "application/vnd.collabio.xodocuments.document",
    "extension" : "xodt"
  }, {
    "mediaType" : "application/vnd.collabio.xodocuments.spreadsheet",
    "extension" : "xods"
  }, {
    "mediaType" : "application/vnd.collabio.xodocuments.document-
template",
    "extension" : "xott"
  }, {
    "mediaType" : "application/vnd.collabio.xodocuments.spreadsheet-
template",
    "extension" : "xots"
  }, {
```

```

        "mediaType" : "application/vnd.collabio.xodocuments.presentation-
template",
        "extension" : "xotp"
    }, {
        "mediaType" :
"application/vnd.collabio.xodocuments.presentation",
        "extension" : "xodp"
    } ],
    "roles" : [ "editor", "viewer", "denied", "admin" ],
    "roots" : [ {
        "id" : "88458287",
        "createdDate" : "2022-02-25T11:18:35.000Z",
        "creator" : "testsrvdocs@tacos.devoffice.ru",
        "creatorFsId" : "5177189d266a4862ad93blcda2f5ac2b",
        "creatorFirstName" : "r",
        "creatorLastName" : "t",
        "fileSize" : "null",
        "filename" : ".root",
        "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
        "lastModifyingUserFsId" : "5177189d266a4862ad93blcda2f5ac2b",
        "lastModifyingUserFirstName" : "r",
        "lastModifyingUserLastName" : "t",
        "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
        "modifiedByMeDate" : "2022-02-25T11:18:35.000Z",
        "modifiedDate" : "2022-04-06T15:57:55.000Z",
        "ownerFsId" : "5177189d266a4862ad93blcda2f5ac2b",
        "ownerId" : "testsrvdocs@tacos.devoffice.ru",
        "properties" : [ {
            "key" : "special",
            "value" : "root"
        }, {
            "key" : "name",
            "value" : "folder.root"
        } ],
        "totalSize" : "null",
        "tree" : "/",
        "ownerFirstName" : "r",
        "ownerLastName" : "t",
        "specialDir" : ".root",
        "isVersion" : false,
        "editorIsDeleted" : false,
        "ownerIsDeleted " : false
    }, {
        "id" : "88458291",
        "createdDate" : "2022-02-25T11:18:35.000Z",
        "creator" : "testsrvdocs@tacos.devoffice.ru",

```

```

"creatorFsId" : "5177189d266a4862ad93blcda2f5ac2b",
"creatorFirstName" : "r",
"creatorLastName" : "t",
"fileSize" : "null",
"filename" : "Shared",
"lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
"lastModifyingUserFsId" : "5177189d266a4862ad93blcda2f5ac2b",
"lastModifyingUserFirstName" : "r",
"lastModifyingUserLastName" : "t",
"mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
"modifiedByMeDate" : "2022-02-25T11:18:35.000Z",
"modifiedDate" : "2022-02-25T11:18:35.000Z",
"ownerFsId" : "5177189d266a4862ad93blcda2f5ac2b",
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "88458287",
"properties" : [ {
  "key" : "special",
  "value" : "shared"
}, {
  "key" : "name",
  "value" : "folder.shared"
} ],
"totalSize" : "null",
"tree" : "/Shared/",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"specialDir" : "Shared",
"isVersion" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false
}, {
  "id" : "88458295",
  "createdDate" : "2022-02-25T11:18:35.000Z",
  "creator" : "testsrvdocs@tacos.devoffice.ru",
  "creatorFsId" : "5177189d266a4862ad93blcda2f5ac2b",
  "creatorFirstName" : "r",
  "creatorLastName" : "t",
  "fileSize" : "null",
  "filename" : "Trash",
  "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
  "lastModifyingUserFsId" : "5177189d266a4862ad93blcda2f5ac2b",
  "lastModifyingUserFirstName" : "r",
  "lastModifyingUserLastName" : "t",
  "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
  "modifiedByMeDate" : "2022-03-04T09:59:06.000Z",
  "modifiedDate" : "2022-03-04T09:59:06.000Z",

```

```
"ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "88458287",
"properties" : [ {
  "id" : "inTrash",
  "key" : "inTrash",
  "value" : "true"
}, {
  "key" : "special",
  "value" : "trash"
}, {
  "key" : "name",
  "value" : "folder.trash"
} ],
"totalSize" : "null",
"tree" : "/Trash/",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"specialDir" : "Trash",
"isVersion" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false
}, {
  "id" : "_flagged",
  "filename" : "_flagged",
  "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
  "properties" : [ {
    "key" : "special",
    "value" : "flagged"
  }, {
    "key" : "name",
    "value" : "folder.flagged"
  } ]
}, {
  "id" : "_recent",
  "filename" : "_recent",
  "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
  "properties" : [ {
    "key" : "special",
    "value" : "recent"
  }, {
    "key" : "name",
    "value" : "folder.recent"
  } ]
}, {
  "id" : "88458299",
```

```

"createdDate" : "2022-02-25T11:18:35.000Z",
"creator" : "testsrvdocs@tacos.devoffice.ru",
"creatorFsId" : "5177189d266a4862ad93blcda2f5ac2b",
"creatorFirstName" : "r",
"creatorLastName" : "t",
"fileSize" : "null",
"filename" : "Corporate",
"lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
"lastModifyingUserFsId" : "5177189d266a4862ad93blcda2f5ac2b",
"lastModifyingUserFirstName" : "r",
"lastModifyingUserLastName" : "t",
"mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
"modifiedByMeDate" : "2022-02-25T11:18:35.000Z",
"modifiedDate" : "2022-02-25T11:18:35.000Z",
"ownerFsId" : "5177189d266a4862ad93blcda2f5ac2b",
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "88458287",
"properties" : [ {
  "key" : "special",
  "value" : "corporate"
}, {
  "key" : "name",
  "value" : "folder.corporate"
} ],
"totalSize" : "null",
"tree" : "/Corporate/",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"specialDir" : "Corporate"
"isVersion" : false,
"editorIsDeleted" : false,
"ownerIsDeleted " : false
} ],
"versions" : {
  "appVersion" : "26.0.4.5",
  "fileApiVersion" : "v1",
  "collaborationApiVersion" : "v1",
  "fileStorageApiVersion" : "{WebAPI=4.32.3, API=4.45.0,
Aristoteles=9.3.1-3597}"
}
},
"links" : [ ]
}

```


7. Files API

7.1 Create folder

A request to create new folder.

```
POST /api/v1/files/makeDir HTTP/1.1
```

Generates [Notification add file/folder](#).

Request structure

| Path | Type | Description |
|------------------|--------|--|
| parentId | String | The parent folder Id. |
| filename | String | The name of the folder |
| conflictStrategy | String | Conflict resolution strategy (keep_both overwrite versioned) |

Response structure

See [Get file info](#).

Example request

```
$ curl 'http://localhost:8080/api/v1/files/makeDir' -i -X POST \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: 6f916423161c282b7aadee642b4b1381' \
  -d '{
  "filename" : "New Folder",
  "conflictStrategy" : "keep_both",
  "parentId" : "189331396"
}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 31694962504774506d35597933715373
X-REQUEST-ID: ncyhxstklrewgsa, fydqgjhdqyvnxuw
Content-Type: application/json
Content-Length: 1176

{
```

```

"file" : {
  "id" : "189331451",
  "createdDate" : "2022-04-06T15:55:13.000Z",
  "creator" : "testsrvdocs@tacos.devoffice.ru",
  "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
  "creatorFirstName" : "r",
  "creatorLastName" : "t",
  "fileSize" : "null",
  "filename" : "New Folder",
  "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
  "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
  "lastModifyingUserFirstName" : "r",
  "lastModifyingUserLastName" : "t",
  "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
  "modifiedByMeDate" : "2022-04-06T15:55:13.000Z",
  "modifiedDate" : "2022-04-06T15:55:13.000Z",
  "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
  "ownerId" : "testsrvdocs@tacos.devoffice.ru",
  "parentId" : "189331396",
  "properties" : [ ],
  "totalSize" : "null",
  "tree" : "/docs-test-makeDirExample()-w3JIp4WlFM/New Folder/",
  "ownerFirstName" : "r",
  "ownerLastName" : "t"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189331451"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189331451"
} ]
}

```

7.2 Upload chunked file

A request to upload new file with chunked processing.



[Since 2019.02]

```
POST /api/v1/files/uploadChunked HTTP/1.1
```

Generates [Notification add file/folder](#) OR [Notification file import](#).

Request parameters

| Parameter | Description |
|--------------------|--|
| metadata | Metadata for uploaded file, e.g. parentId to specify target folder, filename and mediaType are required. |
| convert | Boolean flag to force conversion of file to internal format. |
| conflictStrategy | Conflict resolution strategy (keep_both overwrite versioned) |
| synchronous | Force upload operation with convert=true to be synchronous. |
| timezoneOffsetMins | Timezone to be used during the conversion process [Since 2017.03] |

Response structure

See [Get file info](#).

Example request

```
$ curl
'http://localhost:8080/api/v1/files/uploadChunked?convert=false&conflictStrategy=keep_both&synchronous=true&metadata=%7B%22filename%22%3A%22testfile.txt%22%2C%22mediaType%22%3A%22text%2Fplain%22%2C%22parentId%22%3A%22189352270%22%7D' -i -X POST \
-H 'X-co-auth-token: 6a8e014016a23a898839c2d139b66f6a' \
-d 'some example content'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 734546306b4e3147304f6e755a6f4432
X-REQUEST-ID: shllamxicyvhqcr, puufupfpdporvkm
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1532

{
  "file" : {
    "id" : "189352335",
    "createdDate" : "2022-04-06T15:56:57.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
```

```

    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189352336",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:56:57.000Z",
    "modifiedDate" : "2022-04-06T15:56:57.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189352270",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-uploadChunkedFileExample()-
84hONI9iKV/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "isVersion" : false,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189352335"
  }, {
    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189352335/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189352335/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189352335/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189352335"
  } ]
}

```

7.3 Get file list

A request to list files.

```
GET /api/v1/files?q={query} HTTP/1.1
```

Request parameters

| Parameter | Description |
|------------------|--|
| q | Urlencoded query json object. See Query object structure |
| withHasSubFolder | If flag is true, send hasChildFolders property in response. By default is true. hasChildFolders is true when file has sub folder(s), otherwise false |

Query object structure

| Field | Description |
|-------------------|---|
| parentId | contains parent folder id. |
| mediaType | contains media type filter. |
| sortField | describes field name from JSON File structure. Available values: filename, creator, ownerId, fileSize, modifiedDate, createDate, modifiedByMeDate, sharedWithMeDate, lastViewedByMeDate |
| sortOrder | describes order of sorting ('asc' - ascending, 'desc' - descending) |
| searchQuery | contains search query string |
| searchByContent | if true - search by content, if false - search by filename |
| searchInShared | if true search in shared folder |
| searchInCorporate | if true search in corporate folder |
| offset | contains index of the first element |
| limit | contains number of elements |

Response structure

| Path | Type | Description |
|--------------|--------|--|
| [] | Array | Array of File objects. See Get file info |
| [][.file.id] | String | The ID of the file. |

| Path | Type | Description |
|------------------------------------|---------|--|
| [].file.filename | String | The name of the file. |
| [].file.mediaType | String | The media type of the file. |
| [].file.createdDate | Date | Create time for this file (formatted ISO8601 timestamp) |
| [].file.fileSize | Number | The size of the file in bytes. |
| [].file.lastModifyingUserId | String | The ID of the user who last modified the file. |
| [].file.lastModifyingUserFsId | String | The FS ID of the user who last modified the file. |
| [].file.lastModifyingUserFirstName | String | The first name of the user who last modified the file. |
| [].file.lastModifyingUserLastName | String | The last name of the user who last modified the file. |
| [].file.modifiedByMeDate | Date | Last time this file was modified by the user (formatted RFC 3339 timestamp). |
| [].file.autoCreationRevisions | Boolean | Should new version of file be created automatically during collaboration. |
| [].file.lastViewedByMeDate | Date | Last time this file was viewed by the user (formatted RFC 3339 timestamp). |
| [].file.sharedWithMeDate | Date | Time at which this file was shared with the user (formatted RFC 3339 timestamp). |
| [].file.modifiedDate | Date | Last time this file was modified by anyone (formatted RFC 3339 timestamp). |
| [].file.parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| [].file.creator | String | The original creator (userId) of this file. |
| [].file.creatorFsId | String | The FS ID of the user who create the file. |
| [].file.creatorFirstName | String | The first name of the user who create the file. |
| [].file.creatorLastName | String | The last name of the user who create the file. |

| Path | Type | Description |
|-------------------------------|---------|--|
| [].file.properties | Array | The list of file's properties. |
| [].file.checksum | String | An MD5 checksum for the content of this file |
| [].file.headRevisionId | String | The ID of the file's head (last) revision. |
| [].file.prerender | String | The id of prerendered file. |
| [].file.preview | String | The id of preview file. |
| [].file.previewFailureMark | Date | Flag to show unix time of unsuccessful preview generation. |
| [].file.ownerId | String | The owner (userId) of this file. |
| [].file.etag | String | ETag (HTTP Entity Tag) of the file. |
| [].file.ownerFsId | String | The owner (userId) of this file. |
| [].file.publicLinkId | String | Public link id. [Since 2021.03] |
| [].file.tree | String | Absolute path to this file for current user. Set of parent's names and name of the file. |
| [].file.ownerFirstName | String | The owner first name of this file. |
| [].file.ownerLastName | String | The owner last name of this file. |
| [].file.totalSize | Number | Total size of all file's versions. |
| [].file.currentRevisionObject | Object | Current revision object. See Get file revision |
| [].file.previewClientVersion | String | Version of preview client that generated preview |
| [].file.specialDir | String | Type of special folder, if present |
| [].file.originalFileIdOpt | String | Exist only for version and contained file id |
| [].file.creatorIsDeleted | Boolean | Show that creator is deleted |
| [].file.editorIsDeleted | Boolean | Show that editor is deleted |
| [].file.ownerIsDeleted | Boolean | Show that owner is deleted |
| [].file.properties[].id | String | The file's property id. |
| [].file.properties[].key | String | The file's property key. |
| [].file.properties[].value | String | The file's property value. |
| [].links[].rel | String | Link type |
| [].links[].href | String | Link reference |

Example request

```
$ curl
'http://localhost:8080/api/v1/files?q=%7B%22parentId%22%3A%22189373322%22%2C%22sortField%22%3A%22filename%22%2C%22sortOrder%22%3A%22asc%22%2C%22searchByContent%22%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorporate%22%3Afalse%2C%22offset%22%3A-1%2C%22limit%22%3A-1%7D' -i -X GET \
-H 'X-co-auth-token: 1ac611c3016eb837f11ff29bdab2daa0'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4374556f31633332567973547654427a
X-REQUEST-ID: fcacsrocfnufegr
Content-Type:
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1;charset=UTF-8
Content-Length: 2712

[ {
  "file" : {
    "id" : "189373377",
    "createdDate" : "2022-04-06T15:58:53.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "null",
    "filename" : "New Folder",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
    "modifiedByMeDate" : "2022-04-06T15:58:53.000Z",
    "modifiedDate" : "2022-04-06T15:58:53.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189373322",
    "properties" : [ ],
    "totalSize" : "null",
    "tree" : "/docs-test-getFileListExample()-QgrfcT3y0S/New Folder/",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "isVersion" : false,
    "creatorIsDeleted" : false,
```



```

    "editorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189373377"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189373377"
  } ]
}, {
  "file" : {
    "id" : "189373442",
    "createdDate" : "2022-04-06T15:58:53.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189373443",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:58:53.000Z",
    "modifiedDate" : "2022-04-06T15:58:53.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189373322",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-getFileListExample()-QgrfcT3y0S/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "isVersion" : false,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189373442"
  }, {

```

```

    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189373442/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189373442/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189373442/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189373442"
  } ]
} ]

```

7.4 Get file children

A request to list files.

```
GET /api/v1/files/{fileId}/children?q={query} HTTP/1.1
```

An alias to [Get file list](#).

Path parameters

| Parameter | Description |
|-----------|------------------------------|
| fileId | The ID of the parent folder. |

Request parameters

| Parameter | Description |
|------------------|---|
| q | Urlencoded query json object. See Query object structure . |
| withHasSubFolder | If flag is true, send hasChildFolders property in response for every child. By default is false. hasChildFolders is true when file has sub folder(s), otherwise false |

Response structure

| Path | Type | Description |
|--------------|--------|--|
| [] | Array | Array of File objects. See Get file info |
| [][.file.id] | String | The ID of the file. |

| Path | Type | Description |
|------------------------------------|---------|--|
| [].file.filename | String | The name of the file. |
| [].file.mediaType | String | The media type of the file. |
| [].file.createdDate | Date | Create time for this file (formatted ISO8601 timestamp) |
| [].file.fileSize | Number | The size of the file in bytes. |
| [].file.lastModifyingUserId | String | The ID of the user who last modified the file. |
| [].file.lastModifyingUserFsId | String | The FS ID of the user who last modified the file. |
| [].file.lastModifyingUserFirstName | String | The first name of the user who last modified the file. |
| [].file.lastModifyingUserLastName | String | The last name of the user who last modified the file. |
| [].file.modifiedByMeDate | Date | Last time this file was modified by the user (formatted RFC 3339 timestamp). |
| [].file.autoCreationRevisions | Boolean | Should new version of file be created automatically during collaboration. |
| [].file.lastViewedByMeDate | Date | Last time this file was viewed by the user (formatted RFC 3339 timestamp). |
| [].file.sharedWithMeDate | Date | Time at which this file was shared with the user (formatted RFC 3339 timestamp). |
| [].file.modifiedDate | Date | Last time this file was modified by anyone (formatted RFC 3339 timestamp). |
| [].file.parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| [].file.creator | String | The original creator (userId) of this file. |
| [].file.creatorFsId | String | The FS ID of the user who create the file. |
| [].file.creatorFirstName | String | The first name of the user who create the file. |
| [].file.creatorLastName | String | The last name of the user who create the file. |

| Path | Type | Description |
|-------------------------------|---------|--|
| [].file.properties | Array | The list of file's properties. |
| [].file.checksum | String | An MD5 checksum for the content of this file |
| [].file.headRevisionId | String | The ID of the file's head (last) revision. |
| [].file.isVersion | Boolean | The file is version or not. |
| [].file.prerender | String | The id of prerendered file. |
| [].file.preview | String | The id of preview file. |
| [].file.previewFailureMark | Date | Flag to show unix time of unsuccessful preview generation. |
| [].file.ownerId | String | The owner (userId) of this file. |
| [].file.etag | String | ETag (HTTP Entity Tag) of the file. |
| [].file.ownerFsId | String | The owner (userId) of this file. |
| [].file.publicLinkId | String | Public link id. [Since 2021.03] |
| [].file.tree | String | Absolute path to this file for current user. Set of parent's names and name of the file. |
| [].file.ownerFirstName | String | The owner first name of this file. |
| [].file.ownerLastName | String | The owner last name of this file. |
| [].file.totalSize | Number | Total size of all file's versions. |
| [].file.currentRevisionObject | Object | Current revision object. See Get file revision |
| [].file.previewClientVersion | String | Version of preview client that generated preview |
| [].file.specialDir | String | Type of special folder, if present |
| [].file.originalFileIdOpt | String | Exist only for version and contained file id |
| [].file.creatorIsDeleted | Boolean | Show that creator is deleted |
| [].file.editorIsDeleted | Boolean | Show that editor is deleted |
| [].file.ownerIsDeleted | Boolean | Show that owner is deleted |
| [].file.properties[].id | String | The file's property id. |
| [].file.properties[].key | String | The file's property key. |
| [].file.properties[].value | String | The file's property value. |

| Path | Type | Description |
|-----------------|--------|----------------|
| [].links[].rel | String | Link type |
| [].links[].href | String | Link reference |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189410907/children?q=%7B%22sortField%
22%3A%22filename%22%2C%22sortOrder%22%3A%22asc%22%2C%22searchByContent%22
%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorporate%22%3Afalse
%2C%22offset%22%3A-1%2C%22limit%22%3A-1%7D' -i -X GET \
-H 'X-co-auth-token: 507db0e43b6da22ef08da988f9021362'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 766e36475241315877745747704f4348
X-REQUEST-ID: ayjazdxjfakntlg
Content-Type:
application/vnd.ncloudtech.cloudoffice.childlist+json;v=1; charset=UTF-8
Content-Length: 2720

[ {
  "file" : {
    "id" : "189410962",
    "createdDate" : "2022-04-06T16:02:07.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "null",
    "filename" : "New Folder",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
    "modifiedByMeDate" : "2022-04-06T16:02:07.000Z",
    "modifiedDate" : "2022-04-06T16:02:07.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189410907",
    "properties" : [ ],
    "totalSize" : "null",
```

```

    "tree" : "/docs-test-getFileChildrenExample()-coTdvzxiYf/New
Folder/",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "isVersion" : false,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189410962"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189410962"
  } ]
}, {
  "file" : {
    "id" : "189411027",
    "createdDate" : "2022-04-06T16:02:08.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189411028",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T16:02:08.000Z",
    "modifiedDate" : "2022-04-06T16:02:08.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189410907",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-getFileChildrenExample()-
coTdvzxiYf/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "isVersion" : false,
    "creatorIsDeleted" : false,

```

```

    "editorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189411027"
  }, {
    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189411027/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189411027/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189411027/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189411027"
  } ]
} ]

```

7.5 Get file parents

A request to get file's parents

```
GET /api/v1/files/{fileId}/parents HTTP/1.1
```

Returns parents list, ordered from the nearest parent to the top one.

Request parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Response structure

| Path | Type | Description |
|--------------------|--------|--|
| [].parent.id | String | Parent folder id. |
| [].parent.filename | String | Parent folder filename. |
| [].links | Array | Link to the corresponding file object. See Get file info |
| [].links[].rel | String | Link type |

| | | |
|------------------------------|--------|----------------|
| <code>[].links[].href</code> | String | Link reference |
|------------------------------|--------|----------------|

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189367628/parents' -i -X GET
\
    -H 'X-co-auth-token: ce7a7e4be4bc7b4e6a2e43b53520a612'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 633876537636384d7649687054666648
X-REQUEST-ID: hroiucyqqnlpjng
Content-Type:
application/vnd.ncloudtech.cloudoffice.parentlist+json;v=1;charset=UTF-8
Content-Length: 753

[ {
  "parent" : {
    "id" : "189367563",
    "filename" : "New Folder"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189367563"
  } ]
}, {
  "parent" : {
    "id" : "189367508",
    "filename" : "New Folder"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189367508"
  } ]
}, {
  "parent" : {
    "id" : "189367453",
    "filename" : "docs-test-getFileParentsExample()-2dtPH27npJ"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189367453"
  } ]
}, {
```



```

"parent" : {
  "id" : "88458287",
  "filename" : ".root"
},
"links" : [ {
  "rel" : "file",
  "href" : "http://localhost:8080/api/v1/files/88458287"
} ]
} ]

```

7.6 Get file info

A request to get all file's metadata and properties.

```
GET /api/v1/files/{fileId} HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request parameters

| Parameter | Description |
|------------------|--|
| withHasSubFolder | If flag is true, send hasChildFolders property in response. By default is true. hasChildFolders is true when file has sub folder(s), otherwise false |

Response structure

| Path | Type | Description |
|------------------|--------|---|
| file | Object | File object metadata |
| links | Array | Array of links to file object. See File Links |
| file.id | String | The ID of the file. |
| file.filename | String | The name of the file. |
| file.mediaType | String | The media type of the file. |
| file.createdDate | Date | Create time for this file (formatted ISO8601 timestamp) |
| file.fileSize | Number | The size of the file in bytes. |

| Path | Type | Description |
|---------------------------------|---------|--|
| file.lastModifyingUserId | String | The ID of the user who last modified the file. |
| file.lastModifyingUserFsId | String | The FS ID of the user who last modified the file. |
| file.lastModifyingUserFirstName | String | The first name of the user who last modified the file. |
| file.lastModifyingUserLastName | String | The last name of the user who last modified the file. |
| file.modifiedByMeDate | Date | Last time this file was modified by the user (formatted RFC 3339 timestamp). |
| file.autoCreationRevisions | Boolean | Should new version of file be created automatically during collaboration. |
| file.lastViewedByMeDate | Date | Last time this file was viewed by the user (formatted RFC 3339 timestamp). |
| file.sharedWithMeDate | Date | Time at which this file was shared with the user (formatted RFC 3339 timestamp). |
| file.modifiedDate | Date | Last time this file was modified by anyone (formatted RFC 3339 timestamp). |
| file.parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| file.creator | String | The original creator (userId) of this file. |
| file.creatorFsId | String | The FS ID of the user who create the file. |
| file.creatorFirstName | String | The first name of the user who create the file. |
| file.creatorLastName | String | The last name of the user who create the file. |
| file.properties | Array | The list of file's properties. |
| file.checksum | String | An MD5 checksum for the content of this file |

| Path | Type | Description |
|----------------------------|---------|--|
| file.headRevisionId | String | The ID of the file's head (last) revision. |
| file.isVersion | Boolean | The file is version or not. |
| file.prerender | String | The id of prerendered file. |
| file.preview | String | The id of preview file. |
| file.previewFailureMark | Date | Flag to show unix time of unsuccessful preview generation. |
| file.ownerId | String | The owner (userId) of this file. |
| file.etag | String | ETag (HTTP Entity Tag) of the file. |
| file.ownerFsId | String | The owner (userId) of this file. |
| file.publicLinkId | String | Public link id. [Since 2021.03] |
| file.tree | String | Absolute path to this file for current user. Set of parent's names and name of the file. |
| file.ownerFirstName | String | The owner first name of this file. |
| file.ownerLastName | String | The owner last name of this file. |
| file.totalSize | Number | Total size of all file's versions. |
| file.currentRevisionObject | Object | Current revision object. See Get file revision |
| file.previewClientVersion | String | Version of preview client that generated preview |
| file.specialDir | String | Type of special folder, if present |
| file. originalFileIdOpt | String | Exist only for version and contained file id |
| file.creatorIsDeleted | Boolean | Show that creator is deleted |
| file.editorIsDeleted | Boolean | Show that editor is deleted |
| file.ownerIsDeleted | Boolean | Show that owner is deleted |

| Path | Type | Description |
|---|---------|---|
| file.properties[].id | String | The file's property id |
| file.properties[].key | String | The file's property key |
| file.properties[].value | String | The file's property value |
| file.currentRevisionObject.checksum | String | An MD5 checksum for the content of the revision |
| file.currentRevisionObject.createdDate | String | Creation date of the revision |
| file.currentRevisionObject.fileSize | String | Size of the revision in bytes |
| file.currentRevisionObject.id | String | Id of the revision |
| file.currentRevisionObject.isLastRevision | Boolean | Current revision flag |
| file.currentRevisionObject.mediaType | String | Media type of the revision |
| file.currentRevisionObject.modifiedDate | String | Modification date of the revision |
| file.currentRevisionObject.title | String | Title for the revision |
| file.currentRevisionObject.ownerId | String | The file owner id |
| file.currentRevisionObject.ownerLogin | String | Login of file's owner |
| file.currentRevisionObject.ownerEmail | String | Email of file's owner |
| file.currentRevisionObject.ownerFirstName | String | First name of file's owner |
| file.currentRevisionObject.ownerLastName | String | Last name of file's owner |
| file.currentRevisionObject.ownerMiddleName | String | Middle name of file's owner |
| file.currentRevisionObject.creatorId | String | Revision creator id |
| file.currentRevisionObject.creatorLogin | String | Login of revision's creator |
| file.currentRevisionObject.creatorEmail | String | Email of revision's creator |
| file.currentRevisionObject.creatorFirstName | String | First name of revision's creator |
| file.currentRevisionObject.creatorLastName | String | Last name of revision's creator |
| file.currentRevisionObject.pinned | Boolean | Mark to not auto delete revision |
| file.currentRevisionObject.creatorIsDeleted | Boolean | Mark creator is deleted |
| file.currentRevisionObject.ownerIsDeleted | Boolean | Mark owner is deleted |
| links[].rel | String | Link type |

| Path | Type | Description |
|--------------|--------|----------------|
| links[].href | String | Link reference |

File Links

| Relation | Description |
|-----------|--|
| self | A self-reference link to this file. |
| edit | A link to open this file for viewing or editing. |
| export | Export URL(s) for the file. |
| import | Import URL(s) for the file. See Import file |
| download | Download URL for the file. See Get file content . Valid for non-convered files only. |
| preview | A link to the file's thumbnail. See Get file preview |
| prerender | A link to prerendered file content. |
| view | A link to file's content for audio/video/image/pdf files. |
| thumbnail | A link to image's thumbnail. |
| link | A link by which file may be referenced. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189358688' -i -X GET \
-H 'X-co-auth-token: 9c2130c1fdc03892f9791959b005f263'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 796778526c76774f7475573562474d62
X-REQUEST-ID: svcyfwyatgommbs, eehwyaituoszciu
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1985

{
  "file" : {
    "id" : "189358688",
    "createdDate" : "2022-04-06T15:57:38.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
```

```

"currentRevisionObject" : {
  "id" : "189358689",
  "fileSize" : "20",
  "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",
  "creatorFirstName" : "testsrvdocs",
  "creatorLastName" : "testsrvdocs",
  "creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "isLastRevision" : true,
  "mediaType" : "text/plain",
  "ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",
  "ownerFirstName" : "testsrvdocs",
  "ownerLastName" : "testsrvdocs",
  "ownerMiddleName" : "",
  "ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "title" : "",
  "createdDate" : "2022-04-06T15:57:38.000Z",
  "modifiedDate" : "2022-04-06T15:57:38.000Z",
  "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
  "pinned" : true,
  "creatorIsDeleted" : false,
  "ownerIsDeleted" : false
},
"fileSize" : "20",
"filename" : "testfile.txt",
"headRevisionId" : "189358689",
"lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
"lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"lastModifyingUserFirstName" : "r",
"lastModifyingUserLastName" : "t",
"mediaType" : "text/plain",
"modifiedByMeDate" : "2022-04-06T15:57:38.000Z",
"modifiedDate" : "2022-04-06T15:57:38.000Z",
"ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "189358623",
"properties" : [ ],
"totalSize" : "20",
"checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
"tree" : "/docs-test-getFileExample()-jKnIv1lkAM/testfile.txt",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"isVersion" : false,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false

```

```

},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189358688"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189358688/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189358688/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189358688/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189358688"
} ]
}

```

| Relation | Description |
|-----------|--|
| self | A self-reference link to this file. |
| edit | A link to open this file for viewing or editing. |
| export | Export URL(s) for the file. |
| import | Import URL(s) for the file. See Import file |
| download | Download URL for the file. See Get file content . Valid for non-convered files only. |
| preview | A link to the file's thumbnail. See Get file preview |
| prerender | A link to prerendered file content. |
| view | A link to file's content for audio/video/image/pdf files. |
| thumbnail | A link to image's thumbnail. |
| link | A link by which file may be referenced. |

7.7 Update file info

A request to update file's metadata and properties. Currently used only for rename.

```
PUT /api/v1/files/{fileId} HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Response structure

| Path | Type | Description |
|---------------------------------|---------|--|
| file | Object | File object metadata |
| links | Array | Array of links to file object. See File Links |
| file.id | String | The ID of the file. |
| file.filename | String | The name of the file. |
| file.mediaType | String | The media type of the file. |
| file.createdDate | Date | Create time for this file (formatted ISO8601 timestamp) |
| file.fileSize | Number | The size of the file in bytes. |
| file.lastModifyingUserId | String | The ID of the user who last modified the file. |
| file.lastModifyingUserFsId | String | The FS ID of the user who last modified the file. |
| file.lastModifyingUserFirstName | String | The first name of the user who last modified the file. |
| file.lastModifyingUserLastName | String | The last name of the user who last modified the file. |
| file.modifiedByMeDate | Date | Last time this file was modified by the user (formatted RFC 3339 timestamp). |
| file.autoCreationRevisions | Boolean | Should new version of file be created automatically during collaboration. |
| file.lastViewedByMeDate | Date | Last time this file was viewed by the user (formatted RFC 3339 timestamp). |
| file.sharedWithMeDate | Date | Time at which this file was shared with the user (formatted RFC 3339 timestamp). |
| file.modifiedDate | Date | Last time this file was modified by anyone (formatted RFC 3339 timestamp). |
| file.parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| file.creator | String | The original creator (userId) of this file. |

| Path | Type | Description |
|----------------------------|---------|--|
| file.creatorFsId | String | The FS ID of the user who create the file. |
| file.creatorFirstName | String | The first name of the user who create the file. |
| file.creatorLastName | String | The last name of the user who create the file. |
| file.properties | Array | The list of file's properties. |
| file.checksum | String | An MD5 checksum for the content of this file |
| file.headRevisionId | String | The ID of the file's head (last) revision. |
| file.isVersion | Boolean | The file is version or not |
| file.prerender | String | The id of prerendered file. |
| file.preview | String | The id of preview file. |
| file.previewFailureMark | Date | Flag to show unix time of unsuccessful preview generation. |
| file.ownerId | String | The owner (userId) of this file. |
| file.etag | String | ETag (HTTP Entity Tag) of the file. |
| file.ownerFsId | String | The owner (userId) of this file. |
| file.publicLinkId | String | Public link id. [Since 2021.03] |
| file.tree | String | Absolute path to this file for current user. Set of parent's names and name of the file. |
| file.ownerFirstName | String | The owner first name of this file. |
| file.ownerLastName | String | The owner last name of this file. |
| file.totalSize | Number | Total size of all file's versions. |
| file.currentRevisionObject | Object | Current revision object. See Get file revision |
| file.previewClientVersion | String | Version of preview client that generated preview |
| file.specialDir | String | Type of special folder, if present |
| file.creatorIsDeleted | Boolean | Show that creator is deleted |
| file.editorIsDeleted | Boolean | Show that editor is deleted |
| file.ownerIsDeleted | Boolean | Show that owner is deleted |

| Path | Type | Description |
|-------------------------|--------|----------------------------|
| file.properties[].id | String | The file's property id. |
| file.properties[].key | String | The file's property key. |
| file.properties[].value | String | The file's property value. |
| links[].rel | String | Link type |
| links[].href | String | Link reference |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189348855' -i -X PUT \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: b3abd97c3909d2fb6b56d9af23cad2df' \
  -d '{
  "id" : "189348855",
  "createdDate" : "2022-04-06T15:56:46.000Z",
  "creator" : "testsrvdocs@tacos.devoffice.ru",
  "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
  "creatorFirstName" : "r",
  "creatorLastName" : "t",
  "fileSize" : "20",
  "filename" : "newname.txt",
  "headRevisionId" : "189348856",
  "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
  "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
  "lastModifyingUserFirstName" : "r",
  "lastModifyingUserLastName" : "t",
  "mediaType" : "text/plain",
  "modifiedByMeDate" : "2022-04-06T15:56:47.000Z",
  "modifiedDate" : "2022-04-06T15:56:47.000Z",
  "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
  "ownerId" : "testsrvdocs@tacos.devoffice.ru",
  "parentId" : "189348742",
  "properties" : [ ],
  "totalSize" : "20",
  "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
  "tree" : "/docs-test-updateFileExample()-04PRAdmvgW/testfile.txt",
  "ownerFirstName" : "r",
  "ownerLastName" : "t"
  "isVersion" : false,
  "originalFileIdOpt" : null,
  "creatorIsDeleted" : false,
  "editorIsDeleted" : false,
  "ownerIsDeleted" : false
}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 585a7364565053417841516474433170
X-REQUEST-ID: iodfkmtsvqgutcf
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1524

{
  "file" : {
    "id" : "189348855",
    "createdDate" : "2022-04-06T15:56:46.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "newname.txt",
    "headRevisionId" : "189348856",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:56:47.000Z",
    "modifiedDate" : "2022-04-06T15:56:47.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189348742",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-updateFileExample()-04PRAdmvgW/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t"
    "isVersion" : false,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189348855"
  }, {
    "rel" : "download",
```

```

    "href" : "http://localhost:8080/api/v1/files/189348855/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189348855/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189348855/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189348855"
  } ]
}

```

7.8 Get file properties

A request to get file properties.

```
GET /api/v1/files/{fileId}/properties HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Response structure

| Path | Type | Description |
|-------------------|--------|---|
| [] | Array | Array of property objects. |
| [],links | Array | Array of links to file object. See File Links |
| [],property.id | String | The file's property id. |
| [],property.key | String | The file's property key. |
| [],property.value | String | The file's property value. |
| [],links[].rel | String | Link type |
| [],links[].href | String | Link reference |

Example request

```

$ curl 'http://localhost:8080/api/v1/files/189389946/properties' -i -X
GET \
-H 'X-co-auth-token: bcb087a6aa8b63844aaee7b0b4bda9b4'

```

Example response

```

HTTP/1.1 200 OK
X-co-request-id: 4875416f5a49597858684a3934674d38
X-REQUEST-ID: vtkqsxqkmibyyou
Content-Type:
application/vnd.ncloudtech.cloudoffice.propertylist+json;v=1;charset=UTF-8
Content-Length: 411

[ {
  "property" : {
    "id" : "flagged",
    "key" : "flagged",
    "value" : "true"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/flagged"
  } ]
}, {
  "property" : {
    "id" : "custom_my_1",
    "key" : "custom_my_1",
    "value" : "my custom value"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/custom_my_1"
  } ]
} ]

```

7.9 Set file properties

A request to set file properties.



[Since 2017.01] it's allowed to set custom properties which id/key is started with **custom_ prefix**

```
POST /api/v1/files/{fileId}/properties HTTP/1.1
```

Generates [Notification metadata changed](#).

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request structure

| Path | Type | Description |
|----------|--------|--|
| [].id | String | The ID of the property. |
| [].key | String | The key of this property. |
| [].value | String | The value of this property. Use value="undef" for removing custom property |

Response structure

| Path | Type | Description |
|-------------------|--------|---|
| [] | Array | Array of property objects. |
| [].links | Array | Array of links to file object. See File Links |
| [].property.id | String | The file's property id. |
| [].property.key | String | The file's property key. |
| [].property.value | String | The file's property value. |
| [].links[].rel | String | Link type |
| [].links[].href | String | Link reference |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189360784/properties' -i -X
POST \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: b35642d88a3d3c2f896721f3b6999456' \
  -d '[ {
  "id" : "flagged",
  "key" : "flagged",
  "value" : "true"
}, {
  "id" : "custom_my_1",
  "key" : "custom_my_1",
  "value" : "my custom value"
} ]'
```

Example response

```

HTTP/1.1 200 OK
X-co-request-id: 74556b657155367a4166764731416a66
X-REQUEST-ID: htwpshyffgqtkfn, mqaxtujaniuuwla, azpnefueggzwnfs,
zjvhauagkohykw, agcnqlsjbdpynxt
Content-Type:
application/vnd.ncloudtech.cloudoffice.propertylist+json;v=1;charset=UTF-
8
Content-Length: 411

[ {
  "property" : {
    "id" : "flagged",
    "key" : "flagged",
    "value" : "true"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/flagged"
  } ]
}, {
  "property" : {
    "id" : "custom_my_1",
    "key" : "custom_my_1",
    "value" : "my custom value"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/custom_my_1"
  } ]
} ]

```

7.10 Check file has sub folder(s)

In some requests to check sub folder(s) and send `hasChildFolders` property in response need to set `withHasSubFolder` parameter to true.

Property `hasChildFolders` is true if file has sub folder(s) otherwise false.

Request examples

```

POST /api/v1/files/?q={query},withHasSubFolder=true HTTP/1.1
POST /api/v1/files/{fileId}?withHasSubFolder=true HTTP/1.1
POST /api/v1/files/{linkUid}/children?withHasSubFolder=true HTTP/1.1

```

Example request parameters

| Path | Description |
|------------------|---|
| q | Urlencoded query json object. See Query object structure. |
| withHasSubFolder | If flag is true, send hasChildFolders property in response. By default is true. hasChildFolders is true when file has sub folder(s), otherwise false. |

Example request

```
$ curl
'http://localhost:8080/api/v1/files?q=%7B%22parentId%22%3A%22189405957%22%2C%22sortField%22%3A%22filename%22%2C%22sortOrder%22%3A%22asc%22%2C%22searchByContent%22%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorporate%22%3Afalse%2C%22offset%22%3A-1%2C%22limit%22%3A-1%7D&withHasSubFolder=true' -i -X GET \
-H 'X-co-auth-token: 78d71bda851e332d4ed5fc67e8ab2963'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 3134576c49583039514d556e7157356c
X-REQUEST-ID: tpfumnodduzxwle
Content-Type:
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1;charset=UTF-8
Content-Length: 1292

[ {
  "file" : {
    "id" : "189406012",
    "createdDate" : "2022-04-06T16:01:36.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "null",
    "filename" : "New Folder",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
    "modifiedByMeDate" : "2022-04-06T16:01:36.000Z",
```



```

    "modifiedDate" : "2022-04-06T16:01:36.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189405957",
    "properties" : [ {
      "id" : "hasChildFolders",
      "key" : "hasChildFolders",
      "value" : "true"
    } ],
    "totalSize" : "null",
    "tree" : "/docs-test-getFileWithHasSubFolderExample()-
c6FzJXTE5q/New Folder/",
    "ownerFirstName" : "r",
    "ownerLastName" : "t"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189406012"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189406012"
  } ]
} ]

```

Example request

```

$ curl
'http://localhost:8080/api/v1/files?q=%7B%22parentId%22%3A%22189389259%22
%2C%22sortField%22%3A%22filename%22%2C%22sortOrder%22%3A%22asc%22%2C%22se
archByContent%22%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorp
orate%22%3Afalse%2C%22offset%22%3A-1%2C%22limit%22%3A-
1%7D&withHasSubFolder=false' -i -X GET \
-H 'X-co-auth-token: a4c6384a46b23bfd51dacfc11e57e528'

```

Example response

```

HTTP/1.1 200 OK
X-co-request-id: 6966326f7667614c5035666c70703166
X-REQUEST-ID: gmhjdageimpgitb
Content-Type:
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1;charset=UTF-8
Content-Length: 1199

[ {
  "file" : {

```

```

    "id" : "189389314",
    "createdDate" : "2022-04-06T16:00:02.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93blcda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "null",
    "filename" : "New Folder",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93blcda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
    "modifiedByMeDate" : "2022-04-06T16:00:02.000Z",
    "modifiedDate" : "2022-04-06T16:00:03.000Z",
    "ownerFsId" : "5177189d266a4862ad93blcda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189389259",
    "properties" : [ ],
    "totalSize" : "null",
    "tree" : "/docs-test-getFileWithoutHasSubFolderExample()-
3uKdcoHL0R/New Folder/",
    "ownerFirstName" : "r",
    "ownerLastName" : "t"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189389314"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189389314"
  } ]
} ]

```

7.11 Move file to Trash

A request to move file to Trash folder.

```
POST /api/v1/files/{fileId}/trash HTTP/1.1
```

Generates [Notification file move to Trash](#).

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Response structure

See [Get file info](#)

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189335146/trash' -i -X POST \
-H 'X-co-auth-token: 001217445fa7664cd075c578537e4c09'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4931634a4a70744444504a7157744267
X-REQUEST-ID: jyuwxnudnyfqtn, binbpqkioqjlsa, mrxdzdwpeecnitj,
ldvbovovdduhfra, dovbagfddodcsoe
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1569

{
  "file" : {
    "id" : "189335146",
    "createdDate" : "2022-04-06T15:55:26.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189335147",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:55:26.000Z",
    "modifiedDate" : "2022-04-06T15:55:26.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
```

```

"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "88458295",
"properties" : [ {
  "id" : "inTrash",
  "key" : "inTrash",
  "value" : "true"
} ],
"totalSize" : "20",
"checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
"tree" : "/Trash/testfile.txt",
"ownerFirstName" : "r",
"ownerLastName" : "t"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189335146"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189335146/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189335146/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189335146/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189335146"
} ]
}

```

7.12 Restore file from Trash

A request to move file to Trash folder.

```
POST /api/v1/files/{fileId}/untrash HTTP/1.1
```



[Since 2016.4] Generates [Notification file restore from trash](#)



[Prior to 2016.4] Generates [Notification add file/folder](#) for destination folderId and [Notification file delete](#) for Trash folderId.

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Response structure

See [Get file info](#).

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189365081/untrash' -i -X
POST \
  -H 'X-co-auth-token: ec2851c9ae31daf6872d1c7bbff9fbe2'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 777535575453764f363950656b6a7456
X-REQUEST-ID: suglqnuhanmlmez, dizjjczknwseioc, nwjfmfbfiwaiasvc,
domwoymocqjvuct
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1591

{
  "file" : {
    "id" : "189365081",
    "createdDate" : "2022-04-06T15:58:04.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189365082",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:58:04.000Z",
    "modifiedDate" : "2022-04-06T15:58:04.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
```

```

    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189365016",
    "preview" : "189365299",
    "previewClientVersion" : "3.2",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-untrashFileExample()-gjl4XPiK4q/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189365081"
  }, {
    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189365081/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189365081/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189365081/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189365081"
  } ]
}

```

7.13 Purge Trash folder

A request purge trash folder.

```
DELETE /api/v1/files/{trashFolderId} HTTP/1.1
```

Details

Execute [Delete file](#) with Trash folder ID, which can be retrieved via the [Authenticate user through FS service for mobile](#).

7.14 Delete file

A request to delete the file without an ability to restore it.

```
DELETE /api/v1/files/{fileId} HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189376296' -i -X DELETE \
-H 'X-co-auth-token: 1c0caa3724db5708a6d4ee3babdc4c74' \
-H 'X-co-auth-token: 1c0caa3724db5708a6d4ee3babdc4c74'
```

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 7632693061396138613736545969774a
X-REQUEST-ID: ujfrvonizqepjyq, cmzoymmahgrvfjs
```

7.15 Export file (synchronous)

A request to **synchronous** export/print file to specified format without extra parameters



[Since 2017.01]



Please note this request may execute for a long time, so tune your client's timeout.

```
POST /api/v1/files/{fileId}/syncExport HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request parameters

| Parameter | Description |
|--------------------|---|
| mediaType | Export file mediaType (See exportFormats[].targets[] array at Authenticate user through FS service for mobile) [Since 2018.01] |
| timezoneOffsetMins | Timezone to be used during the conversion process [Since 2017.03] |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189415112/syncExport?mediaType=applic
ation%2Fpdf' -i -X POST \
  -H 'X-co-auth-token: 26e6add4581e2a3fe67a1a047fec5765' \
  -d '{ }'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 786f585853575a494a52373562683232
Content-Disposition: attachment; filename*=UTF-8''testfile.pdf
Content-Type: application/pdf
Content-Length: 32334
X-REQUEST-ID: dkwpoonpirfaerh, mktfqyijzizvoba, kkwpnwgegivsdoy,
unzpvvfsenktceo, yshkvoyosdxungp

[ content of the response is skipped ]
```

7.16 Export file with extra parameters



[Since 2016.4]

A request to **asynchronous** export/print file to specified format with extra parameters.

```
POST /api/v1/files/{fileId}/export HTTP/1.1
```

Generates [Notification file export](#) notification.

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request parameters

| Parameter | Description |
|-----------|--|
| mediaType | Export file mediaType (See exportFormats[].targets[] array at Authenticate user through FS service for mobile) [Since 2018.01] |

| Parameter | Description |
|--------------------|--|
| folderId | Target folder ID |
| filename | Target file's name [Since 2017.04] |
| conflictStrategy | Conflict resolution strategy (keep_both overwrite versioned) |
| timezoneOffsetMins | Timezone to be used during the conversion process [Since 2017.03] |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189357214/export?mediaType=applicatio
n%2Fpdf&folderId=189357149&conflictStrategy=keep_both' -i -X POST \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: 47594e4041c0ff32416a307192e1e946' \
  -d '{}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 76337a5030554555464449426c303549
X-REQUEST-ID: hbeuywzqzvhtsjj
```

7.17 Import file

A request to **asynchronous** import file

```
POST /api/v1/files/{fileId}/import HTTP/1.1
```

Generates [Notification file import](#) notification.

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request parameters

| Parameter | Description |
|------------------|--|
| conflictStrategy | Conflict resolution strategy (keep_both overwrite versioned) |
| encoding | Encoding for DSV/CSV conversion (CP866 |

| Parameter | Description |
|--------------------|---|
| | ISO8859_5 KOI8R KOI8U UTF16BE UTF16LE UTF32BE UTF32LE UTF8 Windows1250 Windows1251 Windows1252 auto). [Since 2020.04] |
| separators | Separators for DSV/CSV conversion. Can be from letters CPSTV. [Since 2020.04] |
| escape | DSV file escape char (quote double_quote). [Since 2020.04] |
| timezoneOffsetMins | Timezone to be used during the conversion process [Since 2017.03] |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189332757/import?encoding=iso8859_5&separators=VCP&escape=double_quote&conflictStrategy=keep_both' -i -X POST \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: b905769bbedcd0cdd1b3e8782c4d34ce' \
  -d '{ }'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 695344427255416774517a30576b366c
X-REQUEST-ID: lywawbhcufigpjfz, xsedimmjhlqzxcg
```

7.18 Get file content

A request to retrieve file content.

```
GET /api/v1/files/{fileId}/content HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request parameters

| Parameter | Description |
|-----------|---|
| download | If this flag set to true, Content-disposition: attach |

header will be set in response

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189338668/content?download=true' -i -
X GET \
-H 'X-co-auth-token: 3bfc60de06d87b7503f740aaae204c59'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 503239376a756f333844627362385047
Content-Disposition: attachment; filename*=UTF-8''testfile.txt
Content-Type: text/plain
Content-Length: 20
X-REQUEST-ID: heuwqfgfmlqjpfm, qsxykretuzquich, atnohzuipsgfjhg

some example content
```

7.19 Check file preview

A request to check whether file preview exists or not.

```
HEAD /api/v1/files/{fileId}/preview HTTP/1.1
```

If the preview file exists, method returns `200 OK` and a `Content-type` header set to preview's file media-type, otherwise it returns `202 Accepted` and schedules file preview generation, its completion can be checked by existence of `preview` field in file's metadata, see [Get file info](#) after the [Notification metadata changed](#) has come.

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189359605/generatePreview' -
i -X POST \
-H 'X-co-auth-token: 434fb885390a82317b29e5bdf1e0d2a'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 654c53707a647563745851716c4d6972
X-co-web-client-only: true
X-REQUEST-ID: wrkphhwfkrfyxfv
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189341064/preview' -i -X HEAD \
-H 'X-co-auth-token: 3715b5d6e351854a1bca6d6e77257242'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 327853685a7733356d5a554c61563634
X-co-web-client-only: true
X-REQUEST-ID: nejslnpqunmwid
```

7.20 Get file preview

A request to get file preview.

```
GET /api/v1/files/{fileId}/preview HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189337552/preview' -i -X GET \
-H 'X-co-auth-token: 698d927daae2b138d5322a9d8b291d73'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4c57374a614477683549456164514d35
X-co-web-client-only: true
Content-Disposition: inline
Content-Type: application/pdf
Content-Length: 32277
X-REQUEST-ID: phwxptyhzxxupsg, jdfugtlusuyrvid, eumcpppjzltntz,
omqcemxwntwvtvf, mutncfwxwlbaly, kdqyqoavosidcvr
```

[content of the response is skipped]

7.21 Regenerate preview file

A request to force generate preview file.



[Since 2018.01]

```
POST /api/v1/files/{fileId}/generatePreview HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189359605/generatePreview' -
i -X POST \
-H 'X-co-auth-token: 434fb885390a82317b29e5bdf1e0d2a'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 654c53707a647563745851716c4d6972
X-co-web-client-only: true
X-REQUEST-ID: wrkphhwfkrfyxfv
```

[content of the response is skipped]

7.22 Get file prerender

A request to get file prerender.

```
GET /api/v1/files/{fileId}/prerender HTTP/1.1
```

If the prerender file exists, method returns `200 OK` and a prerender content in response, otherwise it returns `400 Bad request` with the `error_code` set to `srv_err_prerender_not_found` and schedules file prerender generation, its completion can be checked by existence of `prerender` field in file's metadata, see [Get file info](#) after the [Notification metadata changed](#) has come.

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189381605/prerender' -i -X
GET \
-H 'X-co-auth-token: 8711018614e79d7d98aa73dfdc1de7c9'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 70677934566a485735354d326b477252
Content-Disposition: inline
Content-Type: application/json
Content-Length: 1540
X-REQUEST-ID: rhybfzsoearsds, ubyfepwytnwpcga, vjmdyzxnlhdhcqw,
dteypcmfhpbfmdy

[ content of the response is skipped ]
```

7.23 Regenerate prerender file

A request to force generate prerender file.



[Since 2018.01]

```
POST /api/v1/files/{fileId}/generatePrerender HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189324849/generatePrerender'
-i -X POST \
-H 'X-co-auth-token: cbbf11614934ddc7888e8419cb607116'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 525258444a377739544f706b66476f32
X-REQUEST-ID: jvvfkegqclpcfjb

[ content of the response is skipped ]
```

7.24 Get file's thumbnail

Get file's thumbnail or regenerate if it does not exist.



[Since 2018.01]



Works for images only

```
GET /api/v1/files/{fileId}/thumbnail HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189326318/thumbnail' -i -X
GET \
-H 'X-co-auth-token: 887eb6716065dc51e803e73ec9526698'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 35446c6c526e49456171704974634b68
Content-Disposition: inline
Content-Type: image/jpeg
Content-Length: 3066
X-REQUEST-ID: ecaomfabmdcecr, gkepigrjwlpqjgn, mlexklutbtqlvkg,
weoxvnfluikvxjr

[ content of the response is skipped ]
```

7.25 Copy file

```
POST /api/v1/files/{fileId}/copy/{folderId} HTTP/1.1
```

Generates notifications:

[Notification file copy](#) for owner of the file.

[Notification file unshare](#) for share user, if the operation overwrites the file, shared to someone.

Path parameters

| Parameter | Description |
|-----------|------------------------------|
| fileId | The ID of the source file. |
| folderId | The ID of the target folder. |

Request parameters

| Parameter | Description |
|--------------------|--|
| conflictStrategy | Conflict resolution strategy (keep_both overwrite versioned) |
| saveAsTemplate | Save document as template [Since 2017.03] . |
| timezoneOffsetMins | Timezone to be used during the conversion process [Since 2017.03] |
| filename | Override target file name [Since 2017.04] |

Response structure

See Get Ffile Info [Response structure](#).

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189382891/copy/189383004?conflictStrategy=keep_both' -i -X POST \
-H 'X-co-auth-token: 96045f5d0489536683333964aa663bed'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 544f5a6c6b373242694c43394e4a4358
X-REQUEST-ID: etnhfvweahtfnc, diqzfqfgwzucyxn, cuuremnpedkloz
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1534

{
  "file" : {
    "id" : "189383332",
    "createdDate" : "2022-04-06T15:59:47.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93blcda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189383333",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93blcda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:59:47.000Z",
    "modifiedDate" : "2022-04-06T15:59:47.000Z",
    "ownerFsId" : "5177189d266a4862ad93blcda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189383004",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-copyFileExample()-zm2d2cxJfP/New
Folder/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t"
  },
}
```

```

"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189383332"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189383332/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189383332/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189383332/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189383332"
} ]
}

```

7.26 Move file

POST /api/v1/files/{fileId}/move/{folderId} HTTP/1.1

Generates notifications:

[Notification file move](#) for file owner.

[Notification file delete](#) for share user, if the file was moved from the shared folder **[not sent at 2017.04]**.

[Notification add file/folder](#) for share user, if the file was moved to the shared folder.

[Notification file unshare](#) for share user, if the operation overwrites the file, shared to someone.

[Notification file's permissions changed](#) for file owner if the object has parent share.

Path parameters

| Parameter | Description |
|-----------|------------------------------|
| fileId | The ID of the source file. |
| folderId | The ID of the target folder. |

Request parameters

| Parameter | Description |
|------------------|--|
| conflictStrategy | Conflict resolution strategy (keep_both overwrite versioned) |

Response structure

See Get File Info [Response structure](#).

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189339962/move/189340073?conflictStrategy=keep_both' -i -X POST \
-H 'X-co-auth-token: 354787c9a9f8e8bee22ebd69b7cf2698'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 6e6d7a56347273725947707172485167
X-REQUEST-ID: aicwgnppmfikduc, mdzcfaweudjpxiu, zyteoysuwpuqda,
gqbjuxzpxjmbp, yttugrpygeilvnm, bmvureaheekwaem
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1534

{
  "file" : {
    "id" : "189339962",
    "createdDate" : "2022-04-06T15:56:00.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189339963",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:56:00.000Z",
```

```

    "modifiedDate" : "2022-04-06T15:56:00.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189340073",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-moveFileExample()-AIvd2JXgTH/New
Folder/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189339962"
  }, {
    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189339962/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189339962/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189339962/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189339962"
  } ]
}

```

7.27 Get file permission

```
GET /api/v1/files/{fileId}/permissions/{permId} HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|------------------------------|
| fileId | The ID of the file. |
| permId | The user's login or groupId. |

Response structure

| Path | Type | Description |
|--------------------------------|---------|--|
| permission | Object | Permission object. |
| links[] | Array | Links for this permission |
| permission.id | String | The user's login or groupId for this permission. |
| permission.email | String | The user's email for this permission. |
| permission.fsPermId | String | The user's id or group's id if it's a group permission |
| permission.parentShareId | String | Shared parent folder. |
| permission.parentShareFilename | String | Parent share filename |
| permission.shareUserFirstName | String | Share user first name. |
| permission.shareUserLastName | String | Share user last name. |
| permission.shareUserAvatarId | String | Share user avatar id. |
| permission.role | String | The primary role for this user/group. |
| permission.isGroup | Boolean | Group permission indicator |
| permission.groupName | String | Permission group name |
| permission.login | String | Permission user login |
| links[].rel | String | Link type |
| links[].href | String | Link reference |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189379374/permissions/testsrvdocs2@ta
cos.devoffice.ru' -i -X GET \
-H 'X-co-auth-token: 325c10bc178bbdf951ab52d1b85b3811'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 62426443314135556475375371674549
X-REQUEST-ID: onbhlkmlmojcadm, gwypjncrjzsqf
Content-Disposition: inline;filename=f.txt
Content-Type:
application/vnd.ncloudtech.cloudoffice.permission+json;v=1;charset=UTF-8
Content-Length: 456
```

```
{
  "permission" : {
    "id" : "testsrvdocs2@tacos.devoffice.ru",
    "email" : "testsrvdocs2@tacos.devoffice.ru",
    "fsPermId" : "d97ad43a5bb14c7fa0564e637f0529d6",
    "isGroup" : false,
    "login" : "testsrvdocs2@tacos.devoffice.ru",
    "role" : "editor",
    "shareUserFirstName" : "a",
    "shareUserLastName" : "s"
  },
  "links" : [ {
    "rel" : "self",
    "href" :
"http://localhost:8080/api/v1/files/testsrvdocs2@tacos.devoffice.ru"
  } ]
}
```

7.28 Get all file permissions

GET /api/v1/files/{fileId}/permissions HTTP/1.1

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Response structure

| Path | Type | Description |
|-----------------------------------|--------|--|
| [] | Array | Array of permission objects. See get permission Response structure |
| [],permission.id | String | The user's login or groupId for this permission. |
| [],permission.email | String | The user's email for this permission. |
| [],permission.fsPermId | String | The user's id or group's id if it's a group permission |
| [],permission.parentShareId | String | Shared parent folder. |
| [],permission.parentShareFilename | String | Parent share filename |

| Path | Type | Description |
|----------------------------------|---------|---|
| [].permission.shareUserFirstName | String | Share user first name. |
| [].permission.shareUserLastName | String | Share user last name. |
| [].permission.shareUserAvatarId | String | Share user avatar id. |
| [].permission.role | String | The primary role for this user/group. See roles in [resource-info]. |
| [].permission.isGroup | Boolean | Group permission indicator |
| [].permission.groupName | String | Permission group name |
| [].permission.login | String | Permission user login |
| [].permission.isDeleted | Boolean | The user was deleted |
| [].links[].rel | String | Link type |
| [].links[].href | String | Link reference |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189397622/permissions' -i -X
GET \
    -H 'X-co-auth-token: 59afe3f300e866b841303729538db9fa'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 306244376c546b4a7353417a514d4e79
X-REQUEST-ID: nledfknwqxuozus, blykexapmxklxhf
Content-Type:
application/vnd.ncloudtech.cloudoffice.permissionlist+json;v=1; charset=UTF-8
Content-Length: 913

[ {
  "permission" : {
    "id" : "testsrvdocs@tacos.devoffice.ru",
    "email" : "testsrvdocs@tacos.devoffice.ru",
    "fsPermId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "isGroup" : false,
    "login" : "testsrvdocs@tacos.devoffice.ru",
    "role" : "owner",
    "shareUserFirstName" : "r",
    "shareUserLastName" : "t",
    "isDeleted" : false
```

```

    },
    "links" : [ {
      "rel" : "self",
      "href" :
"http://localhost:8080/api/v1/files/testsrvdocs@tacos.devoffice.ru"
    } ]
  }, {
    "permission" : {
      "id" : "testsrvdocs2@tacos.devoffice.ru",
      "email" : "testsrvdocs2@tacos.devoffice.ru",
      "fsPermId" : "d97ad43a5bb14c7fa0564e637f0529d6",
      "isGroup" : false,
      "login" : "testsrvdocs2@tacos.devoffice.ru",
      "role" : "editor",
      "shareUserFirstName" : "a",
      "shareUserLastName" : "s",
      "isDeleted" : false
    },
    "links" : [ {
      "rel" : "self",
      "href" :
"http://localhost:8080/api/v1/files/testsrvdocs2@tacos.devoffice.ru"
    } ]
  } ]
} ]

```

7.29 Add multiple file permissions

POST /api/v1/files/{fileId}/permissions/multiple HTTP/1.1

Generates [Notification file share](#).

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request fields

| Path | Type | Description |
|---------------|---------|--|
| sendEmail | Boolean | Send email after set permission or not . |
| userMessage | String | User message to add in email. |
| permissions[] | Array | Array of permission objects. See |

| Path | Type | Description |
|-----------------------------------|---------|--|
| | | add permission [resources-add-permission-fields] |
| permissions[].id | String | The user's login or groupId for this permission. |
| permissions[].email | String | The user's email for this permission. |
| permissions[].fsPermId | String | The user's id or group's id if it's a group permission |
| permissions[].parentShareId | String | Shared parent folder. |
| permissions[].parentShareFilename | String | Parent share filename |
| permissions[].shareUserFirstName | String | Share user first name. |
| permissions[].shareUserLastName | String | Share user last name. |
| permissions[].shareUserAvatarId | String | Share user avatar id. |
| permissions[].role | String | The primary role for this user/group. |
| permissions[].isGroup | Boolean | Group permission indicator |
| permissions[].groupName | String | Permission group name |
| permissions[].login | String | Permission user login |
| permissions[].isDeleted | Boolean | The user was deleted |

Response structure

| Path | Type | Description |
|--|--------|--|
| content[] | Array | Array of permission objects. |
| content[].links[] | Array | Permission's links. |
| links[] | Array | This request links. |
| content[].permission.id | String | The user's login or groupId for this permission. |
| content[].permission.email | String | The user's email for this permission. |
| content[].permission.fsPermId | String | The user's id or group's id if it's a group permission |
| content[].permission.parentShareId | String | Shared parent folder. |
| content[].permission.parentShareFilename | String | Parent share filename |
| content[].permission.shareUserFirstName | String | Share user first name. |
| content[].permission.shareUserLastName | String | Share user last name. |

| Path | Type | Description |
|--|---------|---------------------------------------|
| content[].permission.shareUserAvatarId | String | Share user avatar id. |
| content[].permission.role | String | The primary role for this user/group. |
| content[].permission.isGroup | Boolean | Group permission indicator |
| content[].permission.groupName | String | Permission group name |
| content[].permission.login | String | Permission user login |
| content[].permission.isDeleted | | The user was deleted |
| content[].links[].rel | String | Link type |
| content[].links[].href | String | Link reference |
| links[].rel | String | Link type |
| links[].href | String | Link reference |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189386174/permissions/multiple' -i -X
POST \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: 9984ce04e7c90904bda50723e917d812' \
  -d '{
"permissions" : [ {
  "id" : "testsrvdocs2@tacos.devoffice.ru",
  "email" : "testsrvdocs2@tacos.devoffice.ru",
  "isGroup" : false,
  "role" : "editor"
} ],
"sendEmail" : false,
"userMessage" : ""
}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 70416146587a54785568545a75555651
X-REQUEST-ID: eglgfaxeakhutla, cjhmtbceruiysql, rucoydpdouyjxan,
ozhmnyqsqcbjqwz, weonxoyqymqybdg, lxpeuvrtvxynuvi
Content-Type:
application/vnd.ncloudtech.cloudoffice.permissionlist+json;v=1;charset=UTF-8
Content-Length: 526
```

```

{
  "links" : [ {
    "rel" : "self",
    "href" :
"http://localhost:8080/api/v1/files/189386174/permissions/multiple"
  } ],
  "content" : [ {
    "permission" : {
      "id" : "testsrvdocs2@tacos.devoffice.ru",
      "email" : "testsrvdocs2@tacos.devoffice.ru",
      "isGroup" : false,
      "role" : "editor",
      "shareUserFirstName" : "a",
      "shareUserLastName" : "s"
    },
    "links" : [ {
      "rel" : "self",
      "href" :
"http://localhost:8080/api/v1/files/testsrvdocs2@tacos.devoffice.ru"
    } ]
  } ]
}

```

7.30 Modify permission role

PUT /api/v1/files/{fileId}/permissions/{permId} HTTP/1.1

Generates [Notification file's permissions changed.](#)

Path parameters

| Parameter | Description |
|-----------|------------------------------|
| fileId | The ID of the file. |
| permId | The user's login or groupId. |

Request fields

| Path | Type | Description |
|----------|--------|--|
| id | String | The user's login or groupId for this permission. |
| fsPermId | String | The user's id or groupId for this permission. |
| email | String | The user's email for this |

| Path | Type | Description |
|---------|---------|---------------------------------------|
| | | permission. |
| role | String | The primary role for this user/group. |
| isGroup | Boolean | Group permission indicator. |

Request parameters

| Parameter | Description |
|-----------|--------------------------|
| sendEmail | Should server send email |

Response structure

See Get Permission [Response structure](#).

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189413843/permissions/testsrvdocs2@ta
cos.devoffice.ru' -i -X PUT \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: 02d8e21739b77e7543163824140607ad' \
  -d '{
  "id" : "testsrvdocs2@tacos.devoffice.ru",
  "email" : "testsrvdocs2@tacos.devoffice.ru",
  "isGroup" : false,
  "role" : "viewer"
}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 556169754172596c454c7a6234666e6f
X-REQUEST-ID: ducawtkoboohnb, yqpzhjdrtdgmpq, buiqhthwdolspkr,
gypeahnyfymznyv, tstvwzjhvcbwxyx, ftqjckfcgrpvhfi, tfsjyhonylmiamx,
shttmpnjzucyqh
Content-Disposition: inline;filename=f.txt
Content-Type:
application/vnd.ncloudtech.cloudoffice.permission+json;v=1;charset=UTF-8
Content-Length: 354

{
  "permission" : {
```

```

    "id" : "testsrvdocs2@tacos.devoffice.ru",
    "email" : "testsrvdocs2@tacos.devoffice.ru",
    "isGroup" : false,
    "role" : "viewer",
    "shareUserFirstName" : "a",
    "shareUserLastName" : "s"
  },
  "links" : [ {
    "rel" : "self",
    "href" :
"http://localhost:8080/api/v1/files/testsrvdocs2@tacos.devoffice.ru"
  } ]
}

```

7.31 Delete file permission

```
DELETE /api/v1/files/{fileId}/permissions/{permId} HTTP/1.1
```

Generates [Notification file unshare](#).

Path parameters

| Parameter | Description |
|-----------|------------------------------|
| fileId | The ID of the file. |
| permId | The user's login or groupId. |

Example request

```

$ curl
'http://localhost:8080/api/v1/files/189390959/permissions/testsrvdocs2@ta
cos.devoffice.ru' -i -X DELETE \
-H 'X-co-auth-token: 4a36eedab979f7903e43754faf7826d4'

```

Example response

```

HTTP/1.1 204 No Content
X-co-request-id: 54636472554e5a72484e3267524d3845
X-REQUEST-ID: isryosfehlbxnmn, fayucvknpttofml, whggcuuyfkayjrw

```

7.32 Request access to file

```
POST /api/v1/files/{fileId}/requestAccess HTTP/1.1
```

Sends email to the file owner or cloud notification to the owner's Android device with permission request.

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189417710/requestAccess' -i  
-X POST \  
  -H 'X-co-auth-token: 9ebf7e147bacb3bbdf815bc060d7d345' \  
  -H 'X-Tenant-ID: stub'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 4e4f4c777477525a37664f5847595652
```

7.33 Request access to file by managers

```
POST /api/v1/files/{fileId}/requestAccess/managers HTTP/1.1
```

Sends email to the file managers or cloud notification to the managers Android device with permission request.

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request body

```
{  
  "message" : "text",  
  "fileManagers" : [ {  
    "email" : "email@email.com",  
    "locale" : "US-us",  
    "firstName" : "Jon"  
  } ]  
}
```

Example request

```
$ curl 'http://localhost:8080/api/v1/files/4198b347-4489-4bde-
a06ca69626aedcf6/
requestAccess/managers' -i -X POST \
  -H 'X-co-auth-token: d4df686556681a2e31243405cf859d9a' \
  -H 'X-Tenant-ID: stub' \
  -d '{
  "message" : "text",
  "fileManagers" : [ {
  "email" : "email@email.com",
  "locale" : "US-us",
  "firstName" : "Jon"
  } ]
}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4e4f4c777477525a37664f5847595652
```

7.34 Send file by email

A request to export file.

```
POST /api/v1/files/{fileId}/email HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request parameters

| Parameter | Description |
|-------------|--|
| recipient | Array with recipient emails |
| userMessage | User message to add in email. |
| attachFile | Attach file itself or send link to the file instead. |
| mediaType | Attachment mediaType (See exportFormats[].targets[] array at Authenticate user through FS service for mobile) [Since 2018.01] |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189409595/email' -i -X POST \
  -H 'X-co-auth-token: 157eb0031e3b1954ea3d73dca0e96964' \
  -d
'recipient=%5B%22testsrvdocs2%40tacos.devoffice.ru%22%5D&userMessage=Here
%27s+the+file+you+asked+for&attachFile=true&mediaType=application%2Fvnd.o
asis.opendocument.text'
```

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 67664574556351394872585153513930
X-REQUEST-ID: czbhakdposzbhfi, uybfdguvzvsyxxt, gfmmxecycbjgde,
vjzurglyendwcto
```

7.35 Zip files and folders

A request to download zipped files and folders.



[Since 2017.01]



Please note this request may execute for a long time, so tune your client's timeout.

```
GET /api/v1/files/zip HTTP/1.1
```

Request parameters

| Parameter | Description |
|-----------|-------------------------------------|
| id | File id's to be included to archive |
| filename | Generated archive file name |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/zip?id=189393382&id=189393548&filenam
e=myarchive.zip' -i -X GET \
  -H 'X-co-auth-token: 7c20e57cf9eeb818f7fd376a6940b84f'
```


Example response

```
HTTP/1.1 200 OK
X-co-request-id: 69686e6e616377765364615a6c627243
Content-Disposition: attachment; filename*=UTF-8''myarchive.zip
Content-Type: application/zip
X-REQUEST-ID: flqpnqdrtlgbvhr, hdwvbrztrtgloyo, exyelswmdfznksa,
glarvtjfbdsuwys
Content-Length: 398

[ content of the response is skipped ]
```

7.36 Create zip request by json



[Since 2017.03]

Put files' ids to temporary store for future zip download.

```
POST /api/v1/files/zip HTTP/1.1
```

Response fields

| Path | Type | Description |
|-----------|--------|--|
| requestId | String | Generated request id for future download |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/zip' -i -X POST \
-H 'Content-Type: application/json' \
-H 'X-co-auth-token: 1b6b225806459f78a277478489ae53cb' \
-d '[ "file1", "file2", "file3" ]'
```

Response structure

```
{
  "requestId" : "6e454a684e543669736b335158366472"
}
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 79544f67374c6c507a44656c4631717a
```

```
Content-Type: application/json
Content-Length: 54

{
  "requestId" : "6e454a684e543669736b335158366472"
}
```

7.37 Create zip request by form



[Since 2022.03]

Put files' ids to temporary store for future zip download.

```
POST /api/v1/files/zipForm HTTP/1.1
```

Request parameters

| Parameter | Description |
|-----------|-------------------------------------|
| id | File id's to be included to archive |

Response fields

| Path | Type | Description |
|-----------|--------|--|
| requestId | String | Generated request id for future download |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/zipForm' -i -X POST \
  -H 'Content-Type: application/x-www-form-urlencoded' \
  -H 'X-co-auth-token: 1cd299b2ac8225357585a0de48195e39' \
  -d 'id=file1&id=file2&id=file3'
```

Response structure

```
{
  "requestId" : "6d6f764c66596d795a3431794f566832"
}
```

Example response

```
HTTP/1.1 200 OK
```

```
X-co-request-id: 346c56756d38364f3845624c786c3153
Content-Type: application/json
Content-Length: 54

{
  "requestId" : "6d6f764c66596d795a3431794f566832"
}
```

7.38 Create zip request by form



[Since 2017.03]



[Deprecated 2022.03]

Put files' ids to temporary store for future zip download.

```
GET /api/v1/files/zip HTTP/1.1
```

Request parameters

| Parameter | Description |
|-----------|-------------------------------------|
| id | File id's to be included to archive |

Response fields

| Path | Type | Description |
|-----------|--------|--|
| requestId | String | Generated request id for future download |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/zip' -i -X GET \
  -H 'Content-Type: application/x-www-form-urlencoded' \
  -H 'X-co-auth-token: 89c70122e97d33d70919981f16ca1d9d' \
  -d 'id=file1&id=file2&id=file3'
```

Response structure

```
{
  "requestId" : "6d667277663746384f4a446c59746767"
}
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 6c587143377938497559696f635a4f43
X-co-deprecated: true
Content-Type: application/json
Content-Length: 54

{
  "requestId" : "6d667277663746384f4a446c59746767"
}
```

7.39 Zip files from request id



[Since 2017.03]

Zip files specified in previous zip request ([Create zip request by json](#)).

Path parameters

| Parameter | Description |
|--------------|---|
| zipRequestId | Id of a zip request created before this request |

Request parameters

| Parameter | Description |
|-----------|--|
| filename | Result file name. If not specified, default name will be set |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/zip/535a7537334d5144454b646431624762?
filename=newfile.zip' -i -X GET \
-H 'X-co-auth-token: 292e88be07fb1d8d6095d43f7de39353'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 77646b52534c65545673783244744776
X-co-zip-request-id: 535a7537334d5144454b646431624762
Content-Disposition: attachment; filename*=UTF-8''newfile.zip
```

```
Content-Type: application/zip
X-REQUEST-ID: dtvcfpyaocszopc, ftndltjlnvzbdkn, sfgxunibkfrcgvp,
rejfwprysktqrhx
Content-Length: 398
```

7.40 Upload new file revision

A request to upload a new file revision meta.

```
POST /api/v1/files/{fileId}/upload
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Response structure

| Path | Type | Description |
|---------------------------------|---------|--|
| file | Object | File object metadata |
| links | Array | Array of links to file object. See File Links |
| file.id | String | The ID of the file. |
| file.filename | String | The name of the file. |
| file.mediaType | String | The media type of the file. |
| file.createdDate | Date | Create time for this file (formatted ISO8601 timestamp) |
| file.fileSize | Number | The size of the file in bytes. |
| file.lastModifyingUserId | String | The ID of the user who last modified the file. |
| file.lastModifyingUserFsId | String | The FS ID of the user who last modified the file. |
| file.lastModifyingUserFirstName | String | The first name of the user who last modified the file. |
| file.lastModifyingUserLastName | String | The last name of the user who last modified the file. |
| file.modifiedByMeDate | Date | Last time this file was modified by the user (formatted RFC 3339 timestamp). |
| file.autoCreationRevisions | Boolean | Should new version of file be created automatically during |

| Path | Type | Description |
|-------------------------|---------|--|
| | | collaboration. |
| file.lastViewedByMeDate | Date | Last time this file was viewed by the user (formatted RFC 3339 timestamp). |
| file.sharedWithMeDate | Date | Time at which this file was shared with the user (formatted RFC 3339 timestamp). |
| file.modifiedDate | Date | Last time this file was modified by anyone (formatted RFC 3339 timestamp). |
| file.parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| file.creator | String | The original creator (userId) of this file. |
| file.creatorFsId | String | The FS ID of the user who create the file. |
| file.creatorFirstName | String | The first name of the user who create the file. |
| file.creatorLastName | String | The last name of the user who create the file. |
| file.properties | Array | The list of file's properties. |
| file.checksum | String | An MD5 checksum for the content of this file |
| file.headRevisionId | String | The ID of the file's head (last) revision. |
| file.isVersion | Boolean | The file is version or not. |
| file.prerender | String | The id of prerendered file. |
| file.preview | String | The id of preview file. |
| file.previewFailureMark | Date | Flag to show unix time of unsuccessful preview generation. |
| file.ownerId | String | The owner (userId) of this file. |
| file.etag | String | Etag (HTTP Entity Tag) of the file. |
| file.ownerFsId | String | The owner (userId) of this file. |
| file.publicLinkId | String | Public link id. [Since 2021.03] |
| file.tree | String | Absolute path to this file for current user. Set of parent's |

| Path | Type | Description |
|----------------------------|---------|--|
| | | names and name of the file. |
| file.ownerFirstName | String | The owner first name of this file. |
| file.ownerLastName | String | The owner last name of this file. |
| file.totalSize | Number | Total size of all file's versions. |
| file.currentRevisionObject | Object | Current revision object. See Get file revision |
| file.previewClientVersion | String | Version of preview client that generated preview |
| file.specialDir | String | Type of special folder, if present |
| file.originalFileIdOpt | String | Exist only for version and contained file id. |
| file.creatorIsDeleted | Boolean | Show that creator is deleted. |
| file.editorIsDeleted | Boolean | Show that editor is deleted. |
| file.ownerIsDeleted | Boolean | Show that owner is deleted. |
| file.properties[].id | String | The file's property id. |
| file.properties[].key | String | The file's property key. |
| file.properties[].value | String | The file's property value. |
| links[].rel | String | Link type |
| links[].href | String | Link reference |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189395629/upload' -i -X POST \
-H 'Content-Type: multipart/form-data' \
-H 'X-co-auth-token: 0912abf38257a6845dc4585a15db70ec' \
-F 'file=@testfile.txt;type=text/plain'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 7768643678654d657154427330686e6f
X-REQUEST-ID: eydqrhoyillwhmo, tfdwqhsvpcglatm, bpvcmmphtefmge,
iqxdvqbjbmmjczy, mpsldcvrmmgmjqo
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1536
```

```

{
  "file" : {
    "id" : "189395629",
    "createdDate" : "2022-04-06T16:00:27.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189395979",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T16:00:27.000Z",
    "modifiedDate" : "2022-04-06T16:00:27.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189395564",
    "properties" : [ ],
    "totalSize" : "41",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-uploadNewFileRevisionExample()-
VNxcS2JT44/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "isVersion" : false,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189395629"
  }, {
    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189395629/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189395629/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189395629/preview"
  }, {

```



```

    "rel" : "link",
    "href" : "http://localhost:8080/link/189395629"
  } ]
}

```

7.41 Get file revision

A request to get a file revision meta

```
GET /api/v1/files/{fileId}/revisions/{revId}
```

Path parameters

| Parameter | Description |
|-----------|------------------|
| fileId | Id of a file |
| revId | Id of a revision |

Response structure

| Path | Type | Description |
|--------------------------|---------|---|
| revision | Object | Revision object |
| links[] | Array | Common hypermedia links |
| revision.checksum | String | An MD5 checksum for the content of the revision |
| revision.createdDate | String | Creation date of the revision |
| revision.fileSize | String | Size of the revision in bytes |
| revision.id | String | Id of the revision |
| revision.isLastRevision | Boolean | Current revision flag |
| revision.mediaType | String | Media type of the revision |
| revision.modifiedDate | String | Modification date of the revision |
| revision.title | String | Title for the revision |
| revision.ownerId | String | The file owner id |
| revision.ownerLogin | String | Login of the file's owner. |
| revision.ownerEmail | String | Email of the file's owner. |
| revision.ownerFirstName | String | First name of the file's owner. |
| revision.ownerLastName | String | Last name of the file's owner. |
| revision.ownerMiddleName | String | Middle name of the file's owner. |
| revision.creatorId | String | Revision creator id |

| Path | Type | Description |
|---------------------------|---------|-----------------------------------|
| revision.creatorLogin | String | Login of revision's creator. |
| revision.creatorEmail | String | Email of revision's creator. |
| revision.creatorFirstName | String | First name of revision's creator. |
| revision.creatorLastName | String | Last name of revision's creator. |
| revision.pinned | Boolean | Mark to not auto delete revision |
| revision.creatorIsDeleted | Boolean | Mark creator is deleted |
| revision.ownerIsDeleted | Boolean | Mark owner is deleted |
| links[].rel | String | Link type |
| links[].href | String | Link reference |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189384739/revisions/189385141' -i -X
GET \
-H 'X-co-auth-token: 1cfa7d30e3124306557461f275418f0b'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 34704f75614d6e6b315469463158756c
X-REQUEST-ID: wokbqdzvjkgrcs
Content-Type:
application/vnd.ncloudtech.cloudoffice.revision+json;v=1;charset=UTF-8
Content-Length: 541

{
  "revision" : {
    "id" : "189385141",
    "fileSize" : "20",
    "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "testsrvdocs",
    "creatorLastName" : "testsrvdocs",
    "creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "isLastRevision" : true,
    "mediaType" : "text/plain",
    "ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerFirstName" : "testsrvdocs",
    "ownerLastName" : "testsrvdocs",
    "ownerMiddleName" : "",
```

```

    "ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "title" : "testfile.txt",
    "createdDate" : "2022-04-06T15:59:52.000Z",
    "modifiedDate" : "2022-04-06T15:59:52.000Z",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "pinned" : true,
    "creatorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189385141"
  } ]
}

```

7.42 Update file revision metadata

A request to update a file revision metadata (title).

```
PUT /api/v1/files/{fileId}/revisions/{revId}
```

Path parameters

| Parameter | Description |
|-----------|------------------|
| fileId | Id of a file |
| revId | Id of a revision |

Request fields

| Path | Type | Description |
|-------|--------|-----------------|
| title | String | Revision title. |

Example request

```

$ curl
'http://localhost:8080/api/v1/files/189330065/revisions/189330375' -i -X
PUT \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: cbf316901c9a49943ece503adf21cbc1' \
  -d '{
    "title" : "simpleTitle"
  }'

```

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 724f587549533266634a776333557731
X-REQUEST-ID: hivethalrpnzwy
```

7.43 Get file revisions

A request to get a file revisions meta.

```
GET /api/v1/files/{fileId}/revisions
```

Path parameters

| Parameter | Description |
|-----------|---------------------------------|
| fileId | Id of a file to fetch revisions |

Response structure

| Path | Type | Description |
|----------------------------|---------|---|
| [] | Array | Array of file's revisions. |
| [],revision | Object | Revision object |
| [],links[] | Array | Common hypermedia links |
| [],revision.checksum | String | An MD5 checksum for the content of the revision |
| [],revision.createdDate | String | Creation date of the revision |
| [],revision.fileSize | String | Size of the revision in bytes |
| [],revision.id | String | Id of the revision |
| [],revision.isLastRevision | Boolean | Current revision flag |
| [],revision.mediaType | String | Media type of the revision |
| [],revision.modifiedDate | String | Modification date of the revision |
| [],revision.title | String | Title for the revision |
| [],revision.ownerId | String | The file owner id |
| [],revision.ownerLogin | String | Login of the file's owner |
| [],revision.ownerEmail | String | Email of the file's owner |
| [],revision.ownerFirstName | String | First name of the file's owner |
| [],revision.ownerLastName | String | Last name of the file's owner |

| Path | Type | Description |
|------------------------------|---------|----------------------------------|
| [].revision.ownerMiddleName | String | Middle name of the file's owner |
| [].revision.creatorId | String | Revision creator id |
| [].revision.creatorLogin | String | Login of revision's creator |
| [].revision.creatorEmail | String | Email of revision's creator |
| [].revision.creatorFirstName | String | First name of revision's creator |
| [].revision.creatorLastName | String | Last name of revision's creator |
| [].revision.pinned | Boolean | Mark to not auto delete revision |
| [].revision.creatorIsDeleted | Boolean | Mark creator is deleted |
| [].revision.ownerIsDeleted | Boolean | Mark owner is deleted |
| [].links[].rel | String | Link type |
| [].links[].href | String | Link reference |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189407886/revisions' -i -X
GET \
-H 'X-co-auth-token: a38df30283b5386308cb9305fc944661'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 54344a4e49675244365136536378306f
X-REQUEST-ID: kvzoqxovypjjnri
Content-Type:
application/vnd.ncloudtech.cloudoffice.revisionlist+json;v=1;charset=UTF-
8
Content-Length: 1077

[ {
  "revision" : {
    "id" : "189407887",
    "fileSize" : "20",
    "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "testsrvdocs",
    "creatorLastName" : "testsrvdocs",
    "creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "isLastRevision" : false,
    "mediaType" : "text/plain",
```

```

    "ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerFirstName" : "testsrvdocs",
    "ownerLastName" : "testsrvdocs", "ownerMiddleName" : "",
    "ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "title" : "",
    "createdDate" : "2022-04-06T16:01:55.000Z",
    "modifiedDate" : "2022-04-06T16:01:55.000Z",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "pinned" : true,
    "creatorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189407887"
  } ]
}, {
  "revision" : {
    "id" : "189408194",
    "fileSize" : "20",
    "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "testsrvdocs",
    "creatorLastName" : "testsrvdocs",
    "creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "isLastRevision" : true,
    "mediaType" : "text/plain",
    "ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerFirstName" : "testsrvdocs",
    "ownerLastName" : "testsrvdocs",
    "ownerMiddleName" : "",
    "ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "title" : "testfile.txt",
    "createdDate" : "2022-04-06T16:01:56.000Z",
    "modifiedDate" : "2022-04-06T16:01:56.000Z",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "pinned" : true,
    "creatorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189408194"
  } ]
} ]

```

```
} ]
```

7.44 Get revision content

A request to get revision content.

```
GET /api/v1/files/{fileId}/revisions/{revId}/content
```

Path parameters

| Parameter | Description |
|-----------|------------------|
| fileId | Id of a file |
| revId | Id of a revision |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189345396/revisions/189345704/content
' -i -X GET \
    -H 'X-co-auth-token: e9a17b0f2bd8885ea0898a3e0dc8d2d5'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 665344356e313159593662466737384b
Content-Type: text/plain
Content-Length: 20
X-REQUEST-ID: ccmdouvaugkrktu, pyoqbcfhzqkudpm

some example content
```

7.45 Create new revision



[Since 2017.02]

A request to create new revision based on current version.

```
POST /api/v1/files/{fileId}/revisions/create
```

Path parameters

| Parameter | Description |
|-----------|--------------|
| fileId | Id of a file |

Request parameters

| Parameter | Description |
|-----------|----------------|
| title | Revision title |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189363765/revisions/create?title=SampleTitle' -i -X POST \
-H 'X-co-auth-token: 0d51fd8f506d0e917e988ce633859458'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 3576526e506e57417961353976516a31
```

7.46 Delete revision



[Since 2017.02]

A request to delete file's revision. It's impossible to remove a revision of a file opened for collaboration.

```
DELETE /api/v1/files/{fileId}/revisions/{revId}
```

Path parameters

| Parameter | Description |
|-----------|------------------|
| fileId | Id of a file |
| revId | Id of a revision |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189387417/revisions/189387727' -i -X
DELETE \
-H 'X-co-auth-token: e938ba0fa10bd53f56e11ce86d355a7d'
```

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 4e4d794444393838666b714b53474a55
X-REQUEST-ID: sscriwcogpvcdwt, oxgifqhpwjhqpk1
```

7.47 Restore revision



[Since 2017.02]

A request to restore file's revision. Specified revision will be copied to a new revision. It's impossible to restore a revision of a file opened for collaboration.

```
POST /api/v1/files/{fileId}/revisions/{revId}/restore
```

Path parameters

| Parameter | Description |
|-----------|------------------|
| fileId | Id of a file |
| revId | Id of a revision |

Response structure

| Path | Type | Description |
|-------------------------|---------|---|
| revision | Object | Revision object |
| links[] | Array | Common hypermedia links |
| revision.checksum | String | An MD5 checksum for the content of the revision |
| revision.createdDate | String | Creation date of the revision |
| revision.fileSize | String | Size of the revision in bytes |
| revision.id | String | Id of the revision |
| revision.isLastRevision | Boolean | Current revision flag |

| | | |
|---------------------------|---------|-----------------------------------|
| revision.mediaType | String | Media type of the revision |
| revision.modifiedDate | String | Modification date of the revision |
| revision.title | String | Title for the revision |
| revision.ownerId | String | The file owner id |
| revision.ownerLogin | | Login of file's owner |
| revision.ownerEmail | | Email of file's owner |
| revision.ownerFirstName | | First name of file's owner |
| revision.ownerLastName | | Last name of file's owner |
| revision.ownerMiddleName | | Middle name of file's owner |
| revision.creatorId | String | Revision creator id |
| revision.creatorLogin | | Login of revision's creator |
| revision.creatorEmail | | Email of revision's creator |
| revision.creatorFirstName | | First name of revision's creator |
| revision.creatorLastName | | Last name of revision's creator |
| revision.pinned | Boolean | Mark to not auto delete revision |
| revision.creatorIsDeleted | Boolean | Mark creator is deleted |
| revision.ownerIsDeleted | Boolean | Mark owner is deleted |
| links[].rel | String | Link type |
| links[].href | String | Link reference |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189402868/revisions/189403176/restore
?title=SampleTitle' -i -X POST \
-H 'X-co-auth-token: 1458fab4ac8b58fdf542e89aa8433c28'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 49787357424349315548723656563678
X-REQUEST-ID: lhhytkijsudgjlo, mjppxxlwwaitiml, zdlbbdoadecusha
Content-Type: application/json
Content-Length: 541

{
  "revision" : {
    "id" : "189403499",
```

```

    "fileSize" : "20",
    "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "testsrvdocs",
    "creatorLastName" : "testsrvdocs",
    "creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "isLastRevision" : true,
    "mediaType" : "text/plain",
    "ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerFirstName" : "testsrvdocs",
    "ownerLastName" : "testsrvdocs",
    "ownerMiddleName" : "",
    "ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "title" : "SampleTitle",
    "createdDate" : "2022-04-06T16:01:14.000Z",
    "modifiedDate" : "2022-04-06T16:01:14.000Z",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "pinned" : false,
    "creatorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189403499"
  } ]
}

```

7.48 Create new file from revision



[Since 2017.02]

A request to create a new file based on specified revision.

```
POST /api/v1/files/{fileId}/revisions/{revId}/newFile
```

Path parameters

| Parameter | Description |
|-----------|------------------|
| fileId | Id of a file |
| revId | Id of a revision |

Request parameters

| Parameter | Description |
|--------------------|--|
| folderId | Target folder id |
| conflictStrategy | Conflict resolution strategy (keep_both overwrite versioned) |
| filename | Filename for created file |
| timezoneOffsetMins | Timezone to be used during the conversion process [Since 2017.03] (For prerender regeneration) |

Response structure

| Path | Type | Description |
|---------------------------------|---------|--|
| file | Object | File object metadata |
| links | Array | Array of links to file object. See File Links |
| file.id | String | The ID of the file. |
| file.filename | String | The name of the file. |
| file.mediaType | String | The media type of the file. |
| file.createdDate | Date | Create time for this file (formatted ISO8601 timestamp) |
| file.fileSize | Number | The size of the file in bytes. |
| file.lastModifyingUserId | String | The ID of the user who last modified the file. |
| file.lastModifyingUserFsId | String | The FS ID of the user who last modified the file. |
| file.lastModifyingUserFirstName | String | The first name of the user who last modified the file. |
| file.lastModifyingUserLastName | String | The last name of the user who last modified the file. |
| file.modifiedByMeDate | Date | Last time this file was modified by the user (formatted RFC 3339 timestamp). |
| file.autoCreationRevisions | Boolean | Should new version of file be created automatically during collaboration. |
| file.lastViewedByMeDate | Date | Last time this file was viewed by the user (formatted RFC 3339 timestamp). |

| Path | Type | Description |
|-------------------------|---------|--|
| file.sharedWithMeDate | Date | Time at which this file was shared with the user (formatted RFC 3339 timestamp). |
| file.modifiedDate | Date | Last time this file was modified by anyone (formatted RFC 3339 timestamp). |
| file.parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| file.creator | String | The original creator (userId) of this file. |
| file.creatorFsId | String | The FS ID of the user who create the file. |
| file.creatorFirstName | String | The first name of the user who create the file. |
| file.creatorLastName | String | The last name of the user who create the file. |
| file.properties | Array | The list of file's properties. |
| file.checksum | String | An MD5 checksum for the content of this file |
| file.headRevisionId | String | The ID of the file's head (last) revision. |
| file.isVersion | Boolean | The file is version or not. |
| file.prerender | String | The id of prerendered file. |
| file.preview | String | The id of preview file. |
| file.previewFailureMark | Date | Flag to show unix time of unsuccessful preview generation. |
| file.ownerId | String | The owner (userId) of this file. |
| file.etag | String | ETag (HTTP Entity Tag) of the file. |
| file.ownerFsId | String | The owner (userId) of this file. |
| file.publicLinkId | String | Public link id. [Since 2021.03] |
| file.tree | String | Absolute path to this file for current user. Set of parent's names and name of the file. |
| file.ownerFirstName | String | The owner first name of this file. |
| file.ownerLastName | String | The owner last name of this file. |
| file.totalSize | Number | Total size of all file's versions. |

| Path | Type | Description |
|----------------------------|---------|--|
| file.currentRevisionObject | Object | Current revision object. See Get file revision |
| file.previewClientVersion | String | Version of preview client that generated preview |
| file.specialDir | String | Type of special folder, if present |
| file.originalFileIdOpt | String | Exist only for version and contained file id. |
| file.creatorIsDeleted | Boolean | Show that creator is deleted. |
| file.editorIsDeleted | Boolean | Show that editor is deleted. |
| file.ownerIsDeleted | Boolean | Show that owner is deleted. |
| file.properties[].id | String | The file's property id. |
| file.properties[].key | String | The file's property key. |
| file.properties[].value | String | The file's property value. |
| links[].rel | String | Link type |
| links[].href | String | Link reference |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189327754/versions/189328052/newFile
' -i -X POST \
    -H 'X-co-auth-token: e2d5dafebd68b1a0234754dbf48ef21f' \
    -d 'folderId=189327645'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 5863674a53526963584a32674d483241
X-REQUEST-ID: vfghxquqfvrespq, jhjuoiozvblgkm, lkyeizbtizjnexn,
xxsengbwhncdxeb
Content-Type: application/json
Content-Length: 1498

{
  "file" : {
    "id" : "189328549",
    "createdDate" : "2022-04-06T15:55:02.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
```

```

    "creatorLastName" : "t",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189328550",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "mediaType" : "text/plain",
    "modifiedDate" : "2022-04-06T15:55:02.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189327645",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-createNewFileFromRevisionExample()-
lmEXDUEOxn/New Folder/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "isVersion" : false,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189328549"
  }, {
    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189328549/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189328549/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189328549/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189328549"
  } ]
}

```

7.49 Get file owner info



[Since 2017.03]

A request to get file owner info for same tenant user.

```
GET /api/v1/files/{fileId}/owner HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Response structure

```
{
  "email" : "testsrvdocs@tacos.devoffice.ru",
  "id" : "5177189d266a4862ad93b1cda2f5ac2b",
  "isInTrash" : false,
  "locale" : "en-US",
  "login" : "testsrvdocs@tacos.devoffice.ru",
  "mediaType" : "text/plain",
  "name" : "r t"
}
```

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189380514/owner' -i -X GET \
  -H 'X-co-auth-token: 1663c133ced23b9ca33dfde2b1022f8a'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 776d324b7a73656e334f787767585669
X-REQUEST-ID: sahbahyvakdcgzc
Content-Type: application/json
Content-Length: 232

{
  "email" : "testsrvdocs@tacos.devoffice.ru",
  "id" : "5177189d266a4862ad93b1cda2f5ac2b",
  "isInTrash" : false,
  "locale" : "en-US",
```



```
"login" : "testsrvdocs@tacos.devoffice.ru",
"mediaType" : "text/plain",
"name" : "r t"
}
```

7.50 Get file's content

Get file content with inline disposition.



[Since 2019.01]

```
GET /api/v1/files/{fileId}/view HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189392086/view' -i -X GET \
-H 'X-co-auth-token: 07b129496c0aa6bcc611c88a4c049f7f'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4750746f677345583430355153554978
Content-Disposition: inline
Content-Type: text/plain
Content-Length: 20
X-REQUEST-ID: iabyidlatejwnqj, wzflknfoihbndm, svucoutwxdnrzqs

[ content of the response is skipped ]
```

7.51 File collaboration info



[Since 2017.03]

Check if file is opened on DU.

```
GET /api/v1/files/{fileId}/isOpened HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|--------------|
| fileId | Id of a file |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/notopened/isOpened' -i -X
GET \
-H 'X-co-auth-token: 105bae1c7114555008fd27d53306f1a8'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 575349334739746c6a4148734b335847
Content-Type: application/json
Content-Length: 5

false
```

7.52 List recently opened files

```
GET /api/v1/files/recent HTTP/1.1
```

Request parameters

| Parameter | Description |
|-----------------|--|
| applicationName | Application name is used to filter recent files by their media type. When not specified, all files will be returned. |

Example request

```
$ curl
'http://localhost:8080/api/v1/files/recent?applicationName=document' -i
-X GET \
-H 'X-co-auth-token: e3252b22ac5aefe5b0082a33c8764836'
```

Example response

```
[ {
  "file" : {
    "id" : "03221g9u33fVDWSd1bU",
```

```

    "createdDate" : "2018-05-11T13:45:30.000Z",
    "creator" : "docs@32-2-t5.devoffice.ru",
    "fileSize" : "7118",
    "filename" : "Новый документ (2).xodt",
    "headRevisionId" : "03221g9u33fXAeTgdp6",
    "lastViewedByMeDate" : "2018-05-11T13:45:44.000Z",
    "mediaType" : "application/vnd.collabio.xoduments.document",
    "modifiedByMeDate" : "2018-05-11T13:45:30.000Z",
    "modifiedDate" : "2018-05-11T13:45:30.000Z",
    "ownerFsId" : "U3221hwoVw9BpMzlnrr",
    "ownerId" : "docs@32-2-t5.devoffice.ru",
    "parentId" : "03221hwoVw9Cr9mGBJ1",
    "properties" : [ ],
    "totalSize" : "7118",
    "checksum" : "494f4d2af7eacf85ea43500c75482ada",
    "ownerFirstName" : "Doc",
    "autoCreationRevisions" : true,
    "ownerLastName" : "Documentator"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/03221g9u33fVDWSd1bU"
  }, {
    "rel" : "edit",
    "href" : "http://localhost:8080/edit/03221g9u33fVDWSd1bU"
  }, {
    "rel" : "export",
    "href" :
"http://localhost:8080/api/v1/files/03221g9u33fVDWSd1bU/export"
  }, {
    "rel" : "prerender",
    "href" :
"http://localhost:8080/api/v1/files/03221g9u33fVDWSd1bU/prerender"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/03221g9u33fVDWSd1bU"
  } ]
}, {
  "file" : {
    "id" : "03221g9u31ZepfGyd3Q",
    "createdDate" : "2018-05-11T13:45:11.000Z",
    "creator" : "docs@32-2-t5.devoffice.ru",
    "fileSize" : "7118",
    "filename" : "Новый документ.xodt",
    "headRevisionId" : "03221g9u31Zhc7cvFoq",
    "lastViewedByMeDate" : "2018-05-11T13:45:17.000Z",

```

```

    "mediaType" : "application/vnd.collabio.xodocuments.document",
    "modifiedByMeDate" : "2018-05-11T13:45:11.000Z",
    "modifiedDate" : "2018-05-11T13:45:11.000Z",
    "ownerFsId" : "U3221hwoVw9BpMzlnrr",
    "ownerId" : "docs@32-2-t5.devoffice.ru",
    "parentId" : "O3221hwoVw9Cr9mGBJ1",
    "properties" : [ ],
    "totalSize" : "7118",
    "checksum" : "494f4d2af7eacf85ea43500c75482ada",
    "ownerFirstName" : "Doc",
    "ownerLastName" : "Documentator"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/O3221g9u31ZepfGyd3Q"
  }, {
    "rel" : "edit",
    "href" : "http://localhost:8080/edit/O3221g9u31ZepfGyd3Q"
  }, {
    "rel" : "export",
    "href" :
"http://localhost:8080/api/v1/files/O3221g9u31ZepfGyd3Q/export"
  }, {
    "rel" : "prerender",
    "href" :
"http://localhost:8080/api/v1/files/O3221g9u31ZepfGyd3Q/prerender"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/O3221g9u31ZepfGyd3Q"
  } ]
} ]

```

7.53 Generate additional (hidden) files

Send command to generate additional (hidden) files.

```
POST /api/v1/queues/generate HTTP/1.1
```

Request parameters

| Parameter | Description |
|-----------|-------------------------------|
| fileId | Source file id for processing |
| fsToken | Current user's FS token |
| fsLogin | Current user's FS login |

| | |
|--------------------|--|
| command | Convert operation |
| timezoneOffsetMins | Timezone to be used during the conversion process. |

Example request

```
$ curl 'http://localhost:8080/api/v1/queues/generate' -i -X POST \
  -H 'X-co-auth-token: 58e338d091f1f18b277ea26f7655d901' \
  -d
'fileId=189351038&fsToken=722be6187delabbc216fea9340e76fbd&fsLogin=testsr
vdocs%40tacos.devoffice.ru&command=preview'
```

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 4b4d48444f4652456b41335237463650
X-REQUEST-ID: lxshowufvrvelax
```

7.54 Create new public link



[Since 2021.03]

A request to create new public link for the file with desired ttl.

```
POST /api/v1/files/{fileId}/public HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| fileId | The ID of the file. |

Request fields

| Path | Type | Description |
|-------------|----------------|------------------------------------|
| ttlSec | Number | Time to live of the public link |
| password | String | Password for the public link |
| isCorporate | Boolean | Flag that public link is corporate |
| type | PublikLinkType | Type of public link main or mail |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189418715/public' -i -X POST \
\
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: 4eb317e6cf28d7081415de717006cc20' \
  -d '{
    "ttlSec" : 3600,
    "password" : "Passw0rd!",
    "isCorporate" : false,
    "type" : "main"
  }'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 48355867527a6b676f6c4a466a503076
X-REQUEST-ID: cpviiyrroghjsii, cvvkldcnteogljb
Content-Type:
application/vnd.ncloudtech.cloudoffice.publiclink+json;v=1;charset=UTF-8
Content-Length: 245

{
  "url" : "http://localhost:8080/public/dbel130bf-ad3f-4ba4-9220-068e34757553",
  "password" : "Passw0rd!",
  "uid" : "dbel130bf-ad3f-4ba4-9220-068e34757553",
  "startTime" : "2022-04-06T16:02:43.000Z",
  "endTime" : "2022-04-06T17:02:43.000Z",
  "type" : "main"
}
```

7.55 Get file public links



[Since 2021.03]

A request to get a list of the existing public links to an object.

```
GET /api/v1/files/{fileId}/public HTTP/1.1
```

Response structure

| Path | Type | Description |
|---------------------|----------------|--|
| [].url | String | The URL of the public link |
| [].startTime | Date | The time of creation of the public link |
| [].endTime | Date | The time of ending life of the public link |
| [].uid | String | The UID of the public link |
| [].password | String | Password of the public link |
| [].unlockingTime | Date | The time of ending lock of the public link |
| [].type | PublicLinkType | Type of public link main or mail |
| [].authorFirstName | String | First name of public link's creator |
| [].authorLastName | String | Last name of public link's creator |
| [].authorMiddleName | String | Middle name of public link's creator |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189366484/public' -i -X GET \
-H 'X-co-auth-token: 287e2c9b5ad3f9325238a96b63733af2'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 6f79454d37466b687a6b38584e4c4631
X-REQUEST-ID: trfcdriiibavrar
Content-Type:
application/vnd.ncloudtech.cloudoffice.publiclinklist+json;v=1;charset=UTF-8
Content-Length: 179

[ {
  "url" : "http://localhost:8080/public/77435ff8-d307-4efb-a4f7-a09b2ef12039",
  "uid" : "77435ff8-d307-4efb-a4f7-a09b2ef12039",
  "startTime" : "2022-04-06T15:58:15.000Z",
  "type" : "main",
  "authorFirstName" : "testsrvdocs",
  "authorLastName" : "testsrvdocs",
  "authorMiddleName" : ""
} ]
```

7.56 Delete file public link



[Since 2021.03]

A request to delete the public link.

```
DELETE /api/v1/files/{fileId}/public HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|-----------------------------------|
| fileId | The Id of the file. |
| linkUid | The UID of the link for the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189349742/public/ac2b3818-0236-41cb-a79f-70bf1710b66b' -i -X DELETE \
-H 'X-co-auth-token: 9e1cd05bec0629f562afb5f66ab45c36'
```

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 484b764272304f686349724d666c5555
X-REQUEST-ID: fvfbqjceuwcnknv
```

7.57 Get file public link's properties



[Since 2021.03]

A request to get the publicly shared file's properties (limited set).

```
GET /api/v1/public/{linkUid} HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|-----------------------------------|
| linkUid | The UID of the link for the file. |

Response structure

| Path | Type | Description |
|-------------------------|--------|--|
| file | Object | File object metadata |
| links | Array | Array of links to file object. See File Links |
| file.id | String | The ID of the file. |
| file.filename | String | The name of the file. |
| file.mediaType | String | The media type of the file. |
| file.fileSize | String | The size of the file in bytes. |
| file.modifiedByMeDate | Date | Last time this file was modified by the user (formatted RFC 3339 timestamp). |
| file.parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| file.lastViewedByMeDate | Date | Last time this file was viewed by the user (formatted RFC 3339 timestamp). |
| file.sharedWithMeDate | Date | Time at which this file was shared with the user (formatted RFC 3339 timestamp). |
| file.modifiedDate | Date | Last time this file was modified by anyone (formatted RFC 3339 timestamp). |
| file.properties | Array | The list of file's properties. |
| file.checksum | String | An MD5 checksum for the content of this file |
| file.prerender | String | The id of prerendered file. |
| file.preview | String | The id of preview file. |
| file.previewFailureMark | Date | Flag to show unix time of unsuccessful preview generation. |
| file.etag | String | ETag (HTTP Entity Tag) of the file. |
| file.publicLinkId | String | Public link id. [Since 2021.03] |
| file.tree | String | Absolute path to this file for current user. Set of parent's names and name of the file. |
| file.totalSize | String | Total size of all file's versions. |

| Path | Type | Description |
|----------------------------|---------|--|
| file.createdDate | Date | Create time for this file (formatted ISO8601 timestamp) |
| file.currentRevisionObject | Object | Current revision object. See Get file revision |
| file.previewClientVersion | String | Version of preview client that generated preview |
| file.isVersion | Boolean | The file is version or not |
| file.creatorIsDeleted | Boolean | Show that creator was deleted |
| file.editorIsDeleted | Boolean | Show that editor was deleted |
| file.ownerIsDeleted | Boolean | Show that owner was deleted |
| file.properties[].id | String | The file's property id. |
| file.properties[].key | String | The file's property key. |
| file.properties[].value | String | The file's property value. |
| links[].rel | String | Link type |
| links[].href | String | Link reference |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/ade7d543-19b8-40cd-8ded-0939007231be' -i -X GET \
-H 'X-co-auth-token: 6a0733488f9fd5b4754b7744e85391bd'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4b646f437364353974686c4858633971
X-REQUEST-ID: wmlpdpusqqcyrl, qreikoyrlxmjpg
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1181

{
  "file" : {
    "id" : "189355212",
    "createdDate" : "2022-04-06T15:57:16.000Z",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:57:16.000Z",
```

```

"modifiedDate" : "2022-04-06T15:57:16.000Z",
"parentId" : "189355147",
"preview" : "189355426",
"previewClientVersion" : "3.2",
"properties" : [ {
  "id" : "shared_withme_role",
  "key" : "shared_withme_role",
  "value" : "viewer"
}, {
  "id" : "link-with-password",
  "key" : "link-with-password",
  "value" : "true"
}, {
  "id" : "shared-by-link",
  "key" : "shared-by-link",
  "value" : "true"
} ],
"totalSize" : "20",
"checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
"tree" : "/docs-test-getPublicLinkPropertiesExample()-
xQUTsVXiC/testfile.txt",
"publicLinkId" : "ade7d543-19b8-40cd-8ded-0939007231be",
"isVersion" : false,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/public/ade7d543-19b8-40cd-
8ded-0939007231be"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/public/ade7d543-19b8-40cd-
8ded-0939007231be/preview"
} ]
}

```

7.58 Get file's content by link



[Since 2021.03]

A request to get file content by the public link.

```
GET /api/v1/public/{linkUid}/content HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|-----------------------------------|
| linkUid | The UID of the link for the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/b2e5947d-b3fb-4a07-ba37-
fc0236a31df3/content?accessToken=hjdivzoeylmnutdziizjxsduhhwugh' -i -X
GET \
  -H 'X-co-auth-token: 8e8a2cd607788b22765b3bc3409dbb90' \
  -H 'If-None-Match: b2e5947d-b3fb-4a07-ba37-fc0236a31df3'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 506734466131427175447930366d6548
Content-Disposition: attachment; filename*=UTF-8''testfile.txt
Content-Length: 20
Content-Type: text/plain
X-REQUEST-ID: nedoigqunycnkgj, dnffrvdjimbtbcb, hvuhmqdehtuollj

[ content of the response is skipped ]
```

7.59 Get file preview's content by link



[Since 2021.03]

A request to get file preview's content by the public link.

```
GET /api/v1/public/{linkUid}/preview HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|-----------------------------------|
| linkUid | The UID of the link for the file. |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/b2e5947d-b3fb-4a07-ba37-
fc0236a31df3/content?accessToken=hjdivzoeylmnutdziizjxsduhhwugh' -i -X
GET \
```

```
-H 'X-co-auth-token: 8e8a2cd607788b22765b3bc3409dbb90' \  
-H 'If-None-Match: b2e5947d-b3fb-4a07-ba37-fc0236a31df3'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 506734466131427175447930366d6548  
Content-Disposition: attachment; filename*=UTF-8''testfile.txt  
Content-Length: 20  
Content-Type: text/plain  
X-REQUEST-ID: nedoigqunycnkgj, dnffrvdjimbtbcb, hvuhmqdehtuollj  
  
[ content of the response is skipped ]
```

7.60 Get access token by link



[Since 2021.03]

A request to get access token by the public link.

```
POST /api/v1/public/{linkUid}/access HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|-----------------------------------|
| linkUid | The UID of the link for the file. |

Request parameters

| Path | Type | Description |
|----------|--------|------------------------------|
| password | String | Password for the public link |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/afd6fec0-8647-4fb3-89e4-  
82116edc1822/access' -i -X POST \  
-H 'Content-Type: application/json' \  
-H 'X-co-auth-token: 17281326cbce235f64eaccfd5486ab60' \  
-d '{  
  "password" : "AcsdH76-n"  
}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 45755458425a714d474877374c4a7778
X-REQUEST-ID: htj1zushkwtodyt
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 56

{
  "accessToken" : "oksepzuxmj1mldnkkwauegjcemyxcekn"
}
```

7.61 Check access token for link



[Since 2022.01]

Head request to check access token for the public link.

```
HEAD /api/v1/public/{linkUid}/access HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|-----------------------------------|
| linkUid | The UID of the link for the file. |

Request parameters

| Parameter | Description |
|-------------|---------------------------|
| accessToken | The access token for file |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/4c411ee2-aa85-4653-a1f1-88d574863b6d/access?accessToken=yfbtqkiglayczkzswdjldatzjwjdmeqn' -i -X HEAD \
-H 'X-co-auth-token: a3d5ec5e796a781bb21dc3ba5cd529fd'
```

Example response for invalid token request

```
HTTP/1.1 403 Forbidden
X-co-request-id: 4a71534a7a4a6e497535414658384231
```

```
X-REQUEST-ID: xfbhdt daexkwhrq
Content-Type: application/json
```

7.62 Export with conversion or print file by public link



[Since 2021.04]

A request to export with conversion or print file public link.

```
POST /api/v1/public/{linkUid}/syncExport HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|----------------------|
| linkUid | The UID of the link. |

Request parameters

| Parameter | Description |
|--------------------|---|
| mediaType | Target Media type. |
| download | The mark to so set content disposition, true = inline, false=attach |
| accessToken | The access token for file |
| locale | Locale |
| timezoneOffsetMins | Time zone in minutes, if missed will be set as 0 |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/c0ffdde3-ac97-4c78-ab5c-
e929fca5c5de/syncExport' -i -X POST \
-H 'X-co-auth-token: b4dc56dea9050a9dc22a37f7b20c9ffc' \
-d
'mediaType=application%2Fpdf&download=false&accessToken=sldrtrtbjoxppbfgjy
mprzjuawosyfhip&locale=Ru-ru&timezoneOffsetMins=-180'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 306f344a477535665a566e7957493267
Content-Disposition: inline
ETag: W/"e0e102b9ff40785fac8902d8bcbf2279"
```

```
Content-Type: application/pdf
Content-Length: 31921
X-REQUEST-ID: wjnpjhfbohbdelk, pzsrrmcgixbinyp, tmptdfwninpzzlk
```

[content of the response is skipped]

7.63 Get the list of nested files by UID



[Since 2021.04]

A request to get nested files by public link.

```
POST /api/v1/public/{linkUid}/children HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|----------------------|
| linkUid | The UID of the link. |

Request parameters

| Parameter | Description |
|------------------|--|
| accessToken | The access token for folder |
| q | Urlencoded query json object. See Query object structure . |
| withHasSubFolder | If flag is true, send hasChildFolders property in response for every child. By default is true. hasChildFolders is true when file has sub folder(s), otherwise false |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/009b3136-6fb8-48cc-8790-f6f641285468/children?q=%7B%22parentId%22%3A%22189399938%22%2C%22searchByContent%22%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorporate%22%3Afalse%2C%22offset%22%3A-1%2C%22limit%22%3A-1%7D&accessToken=dbewqqrilgjrzwlgmxqvuhjzatnpfgm' -i -X GET \
-H 'X-co-auth-token: bc15c48e79aa57738e09ada6d12166ff'
```

Example response headers

```
HTTP/1.1 200 OK
```



```
X-co-request-id: 5a357855534349486c4a716451335575
X-REQUEST-ID: dwnoxhlmqppwink, qaqhiwursbsgcqm, azafvocjdvngoim
Content-Type:
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1;charset=UTF-8
Content-Length: 1125

[ content of the response is skipped ]
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 5a357855534349486c4a716451335575
X-REQUEST-ID: dwnoxhlmqppwink, qaqhiwursbsgcqm, azafvocjdvngoim
Content-Type:
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1;charset=UTF-8
Content-Length: 1125

[ {
  "file" : {
    "id" : "189400003",
    "createdDate" : "2022-04-06T16:00:47.000Z",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T16:00:47.000Z",
    "modifiedDate" : "2022-04-06T16:00:47.000Z",
    "parentId" : "189399938",
    "preview" : "189400217",
    "previewClientVersion" : "3.2",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-getPublicLinkChildrenListExample()-
vZCezkfaYf/New Folder/New Folder/testfile.txt",
    "publicLinkId" : "009b3136-6fb8-48cc-8790-f6f641285468",
    "isVersion" : false,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189400003"
  }, {
    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189400003/content"
```

```

}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189400003/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189400003/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189400003"
} ]
} ]

```

7.64 Get file content by the public link for folder



[Since 2021.04]

Get file content by the public link for folder.

```
POST /api/v1/public/{linkUid}/{fileId}/content HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|-------------------------------------|
| linkUid | The UID of the link for the folder. |
| fileId | The file id. |

Request parameters

| Parameter | Description |
|-------------|---------------------------|
| accessToken | The access token for file |

Example request

```

$ curl 'http://localhost:8080/api/v1/public/fa90864f-305e-4461-b692-
b8ce6eba1773/189377641/content?accessToken=wicwfqcfsafgrpwxjbgppgmbhxixwp
ej' -i -X GET \
  -H 'X-co-auth-token: fde99812fd52fe2b0ele7ed4bf48f3e5' \
  -H 'If-None-Match: fa90864f-305e-4461-b692-b8ce6eba1773'

```

Example response headers

```
HTTP/1.1 200 OK
```

```
X-co-request-id: 493845366b4e78505130597265386745
Content-Disposition: attachment; filename*=UTF-8''testfile.txt
Content-Length: 20
Content-Type: text/plain
X-REQUEST-ID: vdvkrnchpiqbbqt, vfoxskpzlpoquck, uaqzeaooupbbewi

[ content of the response is skipped ]
```

7.65 Export the file accessible by the public link to the external type for folder



[Since 2021.04]

A request to export with conversion or print file public link for folder.

```
POST /api/v1/public/{linkUid}/{fileId}/syncExport HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|----------------------|
| linkUid | The UID of the link. |
| fileId | The id of the file. |

Request parameters

| Parameter | Description |
|--------------------|---|
| mediaType | Target Media type. |
| download | The mark to set content disposition, true = inline, false = attach |
| accessToken | The access token for file |
| locale | Locale |
| timezoneOffsetMins | Timezone to be used during the conversion process [Since 2017.03] |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/7541ed87-b2c0-4856-8ba3-435f79e60c22/189406752/syncExport' -i -X POST \
-H 'X-co-auth-token: c6cec2eaa0fb7558fad27d15995d643d' \
-d
'mediaType=application%2Fpdf&download=false&accessToken=wjwjlslsnisoaysgog
vlccjkzmlsflxa&locale=Ru-ru&timezoneOffsetMins=-180'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 694533504b59436a476f314639445647
Content-Disposition: inline
ETag: W/"e0e102b9ff40785fac8902d8bcbf2279"
Content-Type: application/pdf
Content-Length: 31921
X-REQUEST-ID: nwljknxntsbxjyr, lqhwxc tegjimxyl, elbstvxnhafxtb

[ content of the response is skipped ]
```

7.66 Get list parent files tree for file by link UID



[Since 2021.04]

Get list parent files tree for file by link UID.

```
POST /api/v1/public/{linkUid}/{fileId}/parents HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|-------------------------------------|
| linkUid | The UID of the link for the folder. |
| fileId | The file id. |

Request parameters

| Parameter | Description |
|-------------|---------------------------|
| accessToken | The access token for file |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/2c7d7dcd-b2c9-4e4d-add6-615dbc0f561a/189336250/parents?accessToken=xcgrhtjvnaexntsyhfmqluxpdcekegag' -i -X GET \
-H 'X-co-auth-token: 4c8a83b5f6f01a40211e3487dd870282'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 6b4c58714f7343504830726662486165
```

```
X-REQUEST-ID: gkqkloapxdnxonq, jfohainkytexvgv, neqkzsmcvgpfojc
Content-Type:
application/vnd.ncloudtech.cloudoffice.parentlist+json;v=1;charset=UTF-8
Content-Length: 547
```

```
[ content of the response is skipped ]
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 6b4c58714f7343504830726662486165
X-REQUEST-ID: gkqkloapxdnxonq, jfohainkytexvgv, neqkzsmcvgpfojc
Content-Type:
application/vnd.ncloudtech.cloudoffice.parentlist+json;v=1;charset=UTF-8
Content-Length: 547

[ {
  "parent" : {
    "id" : "189336250",
    "filename" : "testfile.txt"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189336250"
  } ]
}, {
  "parent" : {
    "id" : "189336185",
    "filename" : "New Folder"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189336185"
  } ]
}, {
  "parent" : {
    "id" : "189336130",
    "filename" : "New Folder"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189336130"
  } ]
} ]
```

7.67 Get preview for file by link UID and file id

**[Since 2021.04]**

Get preview for file by link UID and file id.

POST /api/v1/public/{linkUid}/{fileId}/preview HTTP/1.1

Path parameters

| Parameter | Description |
|-----------|-------------------------------------|
| linkUid | The UID of the link for the folder. |
| fileId | The file id. |

Request parameters

| Parameter | Description |
|-------------|---------------------------|
| accessToken | The access token for file |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/6bd93a0a-38a0-48fa-9191-0f3d26254e3b/189412134/preview?accessToken=djsldhrwcquonsguxikofupbxwwcopn' -i -X GET \
-H 'X-co-auth-token: 830044960e0404623cb1eb945a0914d2' \
-H 'If-None-Match: 6bd93a0a-38a0-48fa-9191-0f3d26254e3b'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 446737634156716d534c6e384f43424a
X-co-web-client-only: true
ETag: W/"e0e102b9ff40785fac8902d8bcbf2279"
Content-Disposition: attachment; filename*=UTF-8''1649260944831.$$testfile.pdf
Content-Length: 32277
Content-Type: application/pdf
X-REQUEST-ID: umzbaagjharnkft, xmzkwnhshdtbtvl, qdehkocbnvnqrfg, lbqmvengubtrdyh

[ content of the response is skipped ]
```

7.68 Put files' ids to temporary store for future zip download by public link and consume json



[Since 2021.04]

Put files' ids to temporary store for future zip download by public link and consume json.

```
POST /api/v1/public/zip HTTP/1.1
```

Example request

```
$ curl 'http://localhost:8080/api/v1/public/zip' -i -X POST \  
  -H 'Content-Type: application/json' \  
  -H 'X-co-auth-token: cd552625c19ff0db4b4c2e6eb41f14fa' \  
  -d '[ "file1", "file2", "file3" ]'
```

Example response headers

```
HTTP/1.1 200 OK  
X-co-request-id: 4c6866755150534c396a784a65395679  
Content-Type: application/json  
Content-Length: 54
```

```
[ content of the response is skipped ]
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 4c6866755150534c396a784a65395679  
Content-Type: application/json  
Content-Length: 54  
  
{  
  "requestId" : "4f514d65314d5a6b5050317933456c4f"  
}
```

7.69 Put files' ids to temporary store for future zip download by public link and consume form



[Since 2021.04]

Put files' ids to temporary store for future zip download by public link and consume form.

```
POST /api/v1/public/zipForm HTTP/1.1
```

Request parameters

| Parameter | Description |
|-----------|-------------------------------------|
| id | File id's to be included to archive |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/zipForm' -i -X POST \  
  -H 'Content-Type: application/x-www-form-urlencoded' \  
  -H 'X-co-auth-token: 2d4c9e003746e8ab7817397784972488' \  
  -d 'id=file1&id=file2&id=file3'
```

Example response headers

```
HTTP/1.1 200 OK  
X-co-request-id: 32594e763136726565566d65484d6c77  
Content-Type: application/json  
Content-Length: 54
```

[content of the response is skipped]

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 32594e763136726565566d65484d6c77  
Content-Type: application/json  
Content-Length: 54  
  
{  
  "requestId" : "6744374d564567466e466e6735533879"  
}
```

7.70 Put files' ids to temporary store for future zip download by public link and consume form



[Since 2021.04]

**[Deprecated 2022.03]**

Put files' ids to temporary store for future zip download by public link and consume form.

```
POST /api/v1/public/zip HTTP/1.1
```

Request parameters

| Parameter | Description |
|-----------|-------------------------------------|
| id | File id's to be included to archive |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/zip' -i -X POST \
  -H 'Content-Type: application/x-www-form-urlencoded' \
  -H 'X-co-auth-token: 93edala8e5941cbe32b8b4548a317910' \
  -d 'id=file1&id=file2&id=file3'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 3576584d566e71655a37386864774c44
X-co-deprecated: true
Content-Type: application/json
Content-Length: 54
```

[content of the response is skipped]

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 3576584d566e71655a37386864774c44
X-co-deprecated: true
Content-Type: application/json
Content-Length: 54

{
  "requestId" : "6877335965563945564b41593955694a"
}
```

7.71 Zip files by link UID specified in previous zip request



[Since 2021.04]

Zip files by link UID specified in previous zip request.

```
POST /api/v1/public/{linkUid}/zip/{zipRequestId} HTTP/1.1
```

Path parameters

| Parameter | Description |
|--------------|---|
| linkUid | The UID of the link for the folder. |
| zipRequestId | Id of a zip request created before this request |

Request parameters

| Parameter | Description |
|-------------|--|
| accessToken | The access token for file |
| filename | Result file name. If not specified, default name will be set |

Example request

```
$ curl 'http://localhost:8080/api/v1/public/9737bc8e-ac64-4b98-9525-4f12f084f501/zip/6672657276645745504e5a7a54727774?accessToken=ymg1vxzfsniliuibrcqbubtufqwcgai&filename=newfile.zip' -i -X GET \
-H 'X-co-auth-token: 80516dbeb62b7a3f4728516a8896470c'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 5148646e667a427873516553516a427a
X-co-zip-request-id: 6672657276645745504e5a7a54727774
Content-Disposition: attachment; filename*=UTF-8''newfile.zip
Content-Type: application/zip
X-REQUEST-ID: bbebpfwziehmgo, kcjcmvkbiprbteo, euwpbpznrstrybgv, szmszfixwxknnhh, shynzyzbpglspi, ureykypgrsrseys
Content-Length: 398

[ content of the response is skipped ]
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 5148646e667a427873516553516a427a
X-co-zip-request-id: 6672657276645745504e5a7a54727774
Content-Disposition: attachment; filename*=UTF-8''newfile.zip
Content-Type: application/zip
X-REQUEST-ID: bbebpfwziehmgbo, kcjcmvkbiprbteo, euwpbpznrsrybgv,
szmszfixwxknnhh, shynzyzbzbpplspi, ureykypgrsrseys
Content-Length: 398
```

7.72 TUS create file upload

A request to create new file upload.



[Since 2022.04]

```
POST /api/v1/files/uploadResumable HTTP/1.1
```

Example request

```
$ curl 'http://localhost:8080/api/v1/files/uploadResumable' -i -X POST \
\
-H 'X-co-auth-token: d4df686556681a2e31243405cf859d9a' \
-H 'X-FS-Token: f4b2adc9b1926479434d560ca155679c' \
-H 'Tus-Resumable: 1.0.0' \
-H 'Upload-Length: 20' \
-H 'Upload-Metadata: fsToken
ZjRiMmFkYzliMTkyNjQ3OTQzNGQ1NjBjYTE1NTY3OWM=,metaParams
eyJmaWxlbmFtZSI6InRlc3RmaWx1LnR4dCIsIm1lZGhhVHlwZSI6InRleHQvcGxhaW4iLCJ
wYXJlbnRJZCI6Im
YwZTJhOGI4LTg2NjYtNGRjZC04ODk0LTQzY2IzN2Q1NWQwMCMJ9' \
-H 'metadata:
{"filename":"testfile.txt","mediaType":"text/plain","parentId":"f0e2a8b
8-8666-4dcd-
8894-43cb37d55d00"}'\
-d 'convert=false&conflictStrategy=keep_both&synchronous=true'
```

Request headers

| Parameter | Description |
|-----------------|--------------------------|
| Upload-Metadata | Metadata of upload. |
| Tus-Resumable | Version of the protocol. |

| Parameter | Description |
|---------------|---|
| Upload-Length | Indicates the size of the entire upload in bytes. |

Response headers

| Parameter | Description |
|---------------|--------------------------|
| Tus-Resumable | Version of the protocol. |
| Location | Path to load content. |

Example response

```
HTTP/1.1 201 Created
X-co-request-id: 4e4a3241613649357766394b6e355743
Tus-Resumable: 1.0.0
Location: /api/v1/files/uploadResumable/fbca054e-9052-4110-8d10-79e1dccb592f
```

7.73 TUS put file upload

A request to put chunk upload by TUS protocol.



[Since 2022.04]

```
PATCH /api/v1/files/uploadResumable HTTP/1.1
```

Example request

```
PATCH /api/v1/files/uploadResumable/cccdf385-4e46-42c2-846c-25f36ed17694 HTTP/1.1
X-co-auth-token: d4df686556681a2e31243405cf859d9a
X-FS-Token: f4b2adc9b1926479434d560ca155679c
Upload-Length: 20
Tus-Resumable: 1.0.0
Content-Type: application/offset+octet-stream
Upload-Offset: 0
Content-Length: 20
Host: localhost:8080

some example content
```

Request headers

| Parameter | Description |
|---------------|--|
| Tus-Resumable | Version of the protocol. |
| Upload-Offset | The Upload-Offset request and response header indicates a byte offset within a resource. |

Response headers

| Parameter | Description |
|----------------|--|
| Tus-Resumable | Version of the protocol. |
| Upload-Expires | Data of upload expires. |
| Upload-Offset | The Upload-Offset request and response header indicates a byte offset within a resource. |

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 7252434b44327133517a686b56614242
Tus-Resumable: 1.0.0
Upload-Offset: 20
Upload-Expires: Sat, 09 Jul 2022 02:43:59 GMT
```

7.74 TUS delete file upload

A request to delete upload by TUS protocol.



[Since 2022.04]

```
DELETE /api/v1/files/uploadResumable HTTP/1.1
```

Example request

```
DELETE /api/v1/files/uploadResumable/f1b7e278-5e22-4ca7-8b42-
3e01978faa3d HTTP/1.1
X-co-auth-token: d4df686556681a2e31243405cf859d9a
X-FS-Token: f4b2adc9b1926479434d560ca155679c
Tus-Resumable: 1.0.0
Content-Type: application/offset+octet-stream
Host: localhost:8080
```

Response headers

| Parameter | Description |
|---------------|--------------------------|
| Tus-Resumable | Version of the protocol. |

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 714b5462743177577536646a71435763
Tus-Resumable: 1.0.0
```

7.74 Get history operations for file

Get history operations for file



[Since 2.3 (November)]

```
GET /api/v1/{fileId}/history HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|--|
| fileId | The ID of the file. |
| offset | Offset of operations, used for pagination. By default = 0. |
| limit | Limit of operations, used for pagination. By default = 0. |
| period | Time period for operations. |

Example request

```
$ curl 'http://localhost:8080/api/v1/files/c50b0133-ac62-4a0f-af73-1220eff26a74/history?offset=0&limit=5&period=3600' -i -X GET \
-H 'X-co-auth-token: 66d5a198d7eb4ecc239952bca46248ec'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: kjjzfkBDUQQ25re3merMp4T0Pup95Xu0 Content-Type:
application/json
Content-Length: 1380
[ content of the response is skipped ]
```

Response fields

| Path | Type | Description |
|-------------------------------|---------|---|
| []. | Array | Array of HistoryOperation objects. |
| [].role | String | The primary role for the user. |
| [].operationTime | String | The time of creation of operation (formatted ISO 8601 timestamp). |
| [].publicLinkExpirationTime | Data | The time of expiration of the public link (formatted ISO 8601 timestamp). |
| [].publicLinkBlockedUntilTime | Data | The blocked until time of the public link (formatted ISO 8601 timestamp). |
| [].historyOperationType | String | Type of history operation. |
| [].fileName | String | File name. |
| [].destinationDirId | String | Destination directory id. |
| [].destinationDirName | String | Destination directory name. |
| [].oldName | String | Old name of file. |
| [].isPasswordProtected | Boolean | Mark of password protected. |
| [].byAdmin | Boolean | Mark of admin operation. |
| [].userProfile.first_name | String | First name of user |
| [].userProfile.last_name | String | Last name of user |
| [].userProfile.middle_name | String | Middle name of user. |
| [].userProfile.email | String | User email. |
| [].userProfile.login | String | User login. |
| [].userProfile.avatarId | String | User avatar id. |
| [].userProfile.firstName | String | First name of recipient. |
| [].userProfile.lastName | String | Last name of recipient. |
| [].userProfile.recipient_type | String | Recipient type. |

Example response

```

HTTP/1.1 200 OK
X-co-request-id: kjjzfkBDUQQ25re3merMp4T0Pup95Xu0
Content-Type: application/json
Content-Length: 1380
[
  {
    "role" : "editor",
    "operationTime" : "2022-11-14T11:48:31.000Z",
  }
]

```

```
"userProfile" : {
  "email" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "first_name" : "testsrvdocs",
  "last_name" : "testsrvdocs",
  "login" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "middle_name" : "",
  "avatarId" : "a00bbb30-993e-4632-925f-152939195049"
},
"historyOperationType" : "share_object",
"recipient" : {
  "firstName" : "testsrvdocs2",
  "lastName" : "testsrvdocs2",
  "recipient_type" : "user"
}
},{
  "operationTime" : "2022-11-14T11:48:31.000Z",
  "publicLinkExpirationTime" : "2022-11-14T12:48:31.000Z",
  "userProfile" : {
    "email" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "first_name" : "testsrvdocs",
    "last_name" : "testsrvdocs",
    "login" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "middle_name" : "",
    "avatarId" : "a00bbb30-993e-4632-925f-152939195049"
  },
  "historyOperationType" : "create_public_link",
  "isPasswordProtected" : true
}, {
  "operationTime" : "2022-11-14T11:48:30.000Z",
  "userProfile" : {
    "email" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "first_name" : "testsrvdocs",
    "last_name" : "testsrvdocs",
    "login" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "middle_name" : "",
    "avatarId" : "a00bbb30-993e-4632-925f-152939195049"
  },
  "historyOperationType" : "upload_document"
} ]
```


8. Notifications

CO server provides push notifications service intended to notify client about changes made to the cloud file system to perform well-timed user UI update as well as about async file operations results such as import/export, printing etc.

Notifications are sent via the websocket channel and each notification payload contains JSON object with following fields

| Field | Description |
|------------------|--|
| operation | Name of the performed operation |
| objectId | ID of the file object |
| dirId | Source or target folder ID (depends on the file operation) |
| destDirId | Target folder ID |
| objectName | Name of the file object |
| sourceId | ID of the source file used for conversion (may be hidden one) |
| usedBytes | Used disk space |
| totalBytes | Total disk space |
| revisionId | Revision id |
| email | Email for operation [Since 2018.03] |
| login | Login of initiator for operation [Since 2019.01] |
| newId | New file id if it is changed during operation (e.g. move from shared) [Since 2019.03] |
| time | Time of initiation for operation [Since 2020.01] |
| requestId | ID of the user initiated operation. Returned in the X-co-request-id header in the response to synchronous API request. |
| errorCode | SRV error code. |
| group | For group shared notifications will be true if it is group sharing. |
| userId | User id for shared notifications. For group shared notifications will contain groupId. |
| changedValues | Map with changed file properties for FILE_METADATA_CHANGE and FILE_CUSTOM_PROPS_CHANGE (such as fileNameChanged, fileCorrupted). |
| customProperties | Map with custom file properties. |

| Field | Description |
|-------------|---|
| deletedKeys | List of deleted file properties for FILE_CUSTOM_PROPS_CHANGE. |

8.1 Notification payload example

```
{
  "operation": "FILE_ADD",
  "sourceId": "Obox1hwy5pxjgyhPyyX",
  "objectId": "Obox1hwy5pxjgyhPyyX",
  "dirId": "Obox1hvuEKWmp2WifMG",
  "requestId": "28c577c7629546496babbe2a11768b35"
}
```

8.2 Subscribe to the file notifications

```
GET /api/v1/files/subscribe HTTP/1.1

HTTP/1.1 101 Switching Protocols
Upgrade: websocket
Connection: Upgrade
```

8.3 Register specified callback URL for notifications

```
POST /api/v1/notifications/callbacks/register

HTTP/1.1 204 OK
```

Parameters

| Parameter | Description |
|-------------|--|
| callbackUrl | callback URL to call after notification receive |
| category | (multiple) Categories to subscribe (not requested will be filtered). Possible values: all/document/file/revision/user/mail |

8.4 Unregister specified callback URL from notifications

```
POST /api/v1/notifications/callbacks/unregister

HTTP/1.1 204 OK
```

Parameters

| Parameter | Description |
|-------------|---|
| callbackUrl | callback URL to call after notification receive |

8.5 Send email with specified parameters

```
POST /api/v1/notifications/templates/email
```

```
HTTP/1.1 204 OK
```

Parameters

| Parameter | Description |
|-------------|--|
| json_params | JSON string with all required parameters |

8.6 Send email with feedback

```
POST /api/v1/notifications/templates/feedback
```

Request multipart form data

| Part | Description |
|-------------|---|
| file | The file to be attached. |
| json_params | JSON string with subject and text for feedback. |

Example request

```
$ curl -i -X POST
'http://localhost:9092/api/v1/notifications/templates/feedback' -H
'content-type: multipart/form-data' -H 'x-co-auth-token:
088a87cad73d50d7cf626b31623b40f7' -F
'json_params={"subject":"333","description":"111"}' -F "file=@log-
file.txt;type=text/plain"
```

Example response

```
HTTP/1.1 204 No content
Content-Length: 0
```

8.7 Notification add file/folder

| Parameter | Description |
|-----------|------------------|
| operation | FILE_ADD |
| objectId | object id |
| dirId | target folder id |
| requestId | request id |
| category | FILE |

8.8 Notification file import

Succeeded

| Parameter | Description |
|-----------|---|
| operation | FILE_ADD_CONVERTED |
| objectId | object id |
| sourceId | id of the source file used for conversion (may be hidden one) |
| dirId | target folder id |
| requestId | request id |
| category | FILE |

Failed

| Parameter | Description |
|------------|---|
| operation | FILE_CONVERSION_ERROR |
| objectName | file name |
| objectId | object id |
| sourceId | id of the source file used for conversion (may be hidden one) |
| dirId | target folder id |
| requestId | request id |
| category | FILE |

8.9 Notification file export

Succeeded

| Parameter | Description |
|-----------|------------------------------|
| operation | FILE_EXPORT_COMPLETED |
| sourceId | source file id |
| objectId | object id |
| dirId | target folder id |
| requestId | request id |
| category | FILE |

Failed

| Parameter | Description |
|------------|--------------------------|
| operation | FILE_EXPORT_ERROR |
| objectName | file name |
| sourceId | id of the source file |
| objectId | not available |
| requestId | request id |
| category | FILE |

8.10 Notification file copy

| Parameter | Description |
|-----------|------------------|
| operation | FILE_COPY |
| objectId | object id |
| dirId | target folder id |
| requestId | request id |
| category | FILE |

8.11 Notification file move

| Parameter | Description |
|-----------|------------------|
| operation | FILE_MOVE |
| objectId | object id |
| dirId | source folder id |

| Parameter | Description |
|-----------|------------------|
| sourceId | source file id |
| destDirId | target folder id |
| requestId | request id |
| category | FILE |

8.12 Notification file id was changed during operation



[Since 2021.01]

| Parameter | Description |
|-----------|------------------------|
| operation | FILE_ID_CHANGED |
| objectId | object id |
| newFileId | new file id |
| requestId | request id |
| category | FILE |

8.13 Notification file move to Trash

For file owner

| Parameter | Description |
|-----------|-------------------|
| operation | FILE_TRASH |
| objectId | object id |
| dirId | source folder id |
| requestId | request id |
| category | FILE |

For all shares

| Parameter | Description |
|-----------|---------------------|
| operation | FILE_UNSHARE |
| objectId | object id |
| dirId | source folder id |
| requestId | request id |
| category | FILE |

8.14 Notification file delete

| Parameter | Description |
|-----------|--------------------|
| operation | FILE_DELETE |
| objectId | object id |
| requestId | request id |
| category | FILE |

8.15 Notification metadata changed

For file owner

| Parameter | Description |
|-----------|-----------------------------|
| operation | FILE_METADATA_CHANGE |
| objectId | object id |
| requestId | request id |
| category | FILE |

For all shares

| Parameter | Description |
|-----------|------------------------------------|
| operation | FILE_METADATA_CHANGE_SHARED |
| objectId | object id |
| requestId | request id |
| category | FILE |

8.16 Notification file's properties changed

For file owner

| Parameter | Description |
|-----------|-----------------------------|
| operation | FILE_METADATA_CHANGE |
| objectId | object id |
| requestId | request id |
| category | FILE |

For target user

| Parameter | Description |
|---------------|---------------------------------|
| operation | FILE_CUSTOM_PROPS_CHANGE |
| objectId | object id |
| dirId | object parent id |
| changedValues | Map of changed values |
| deletedKeys | List of deleted values |
| requestId | request id |
| category | FILE |

8.17 Notification file share

For file owner

| Parameter | Description |
|-----------|-----------------------------|
| operation | FILE_METADATA_CHANGE |
| objectId | object id |
| requestId | request id |
| category | FILE |

For target user

| Parameter | Description |
|-----------|-------------------|
| operation | FILE_SHARE |
| objectId | object id |
| dirId | source folder id |
| requestId | request id |
| category | FILE |

8.18 Notification file share denied

For file owner

| Parameter | Description |
|-----------|-----------------------------|
| operation | FILE_METADATA_CHANGE |
| objectId | object id |

| Parameter | Description |
|-----------|-------------|
| requestId | request id |
| category | FILE |

For target user

| Parameter | Description |
|-----------|---------------------|
| operation | FILE_UNSHARE |
| objectId | object id |
| dirId | source folder id |
| requestId | request id |
| category | FILE |

8.19 Notification file unshare

For file owner

| Parameter | Description |
|-----------|-----------------------------|
| operation | FILE_METADATA_CHANGE |
| objectId | object id |
| requestId | request id |
| category | FILE |

For target user

| Parameter | Description |
|-----------|---------------------|
| operation | FILE_UNSHARE |
| objectId | object id |
| dirId | source folder id |
| requestId | request id |
| category | FILE |

8.20 Notification file unshare by shared user

For shared user

| Parameter | Description |
|-----------|-------------|
|-----------|-------------|

| Parameter | Description |
|-----------|---------------------|
| operation | FILE_UNSHARE |
| objectId | object id |
| dirId | source folder id |
| requestId | request id |
| category | FILE |

For file owner

| Parameter | Description |
|-----------|-----------------------------|
| operation | FILE_METADATA_CHANGE |
| objectId | object id |
| requestId | request id |
| category | FILE |

8.21 Notification file's permissions changed

| Parameter | Description |
|-----------|--|
| operation | FILE_SHARE_UPDATE |
| objectId | object id |
| newId | new object id, if it is changed during operation [Since 2019.03] |
| requestId | request id |
| category | FILE |

8.22 Notification file's permissions changed to denied

| Parameter | Description |
|-----------|---------------------|
| operation | FILE_UNSHARE |
| objectId | object id |
| requestId | request id |
| category | FILE |

8.23 File save by DCM failed



[Since 2017.02]

| Parameter | Description |
|------------|---|
| operation | FILE_SAVE_ERROR |
| objectId | object id |
| requestId | request id |
| revisionId | object revision id [Since 2020.01] |
| category | FILE,DOCUMENT |

8.24 File save by DCM failed due low space



[Since 2021.01]

| Parameter | Description |
|------------|---------------------------|
| operation | DOCUMENT_LOW_SPACE |
| objectId | object id |
| requestId | request id |
| revisionId | object revision id |
| category | DOCUMENT |

8.25 Notification file send as attachment

Failed

| Parameter | Description |
|-----------|---|
| operation | FILE_ATTACH_ERROR |
| objectId | object id |
| sourceId | id of the source file used for conversion (may be hidden one) |
| dirId | target folder id |
| requestId | request id |
| category | FILE |

Attach size exceeded

| Parameter | Description |
|-----------|---|
| operation | FILE_ATTACH_TOO_BIG |
| objectId | object id |
| sourceId | id of the source file used for conversion (may be |

| Parameter | Description |
|-----------|------------------|
| | hidden one) |
| dirId | target folder id |
| requestId | request id |
| category | FILE |

8.26 Conversion failed

| Parameter | Description |
|------------|---|
| operation | FILE_ATTACH_CONVERSION_ERROR |
| objectName | file name |
| objectId | object id |
| sourceId | id of the source file used for conversion (may be hidden one) |
| dirId | target folder id |
| requestId | request id |
| category | FILE |

8.27 Notification running low disk space

| Parameter | Description |
|------------|-----------------------|
| operation | FILE_LOW_SPACE |
| usedBytes | used disk space |
| totalBytes | total disk space |
| category | FILE |

8.28 Public link creation



[Since 2021.04]

| Parameter | Description |
|------------|----------------------------------|
| operation | FILE_PUBLIC_LINK_SHARE |
| objectId | object id |
| requestId | request id |
| publicLink | public link object with link uid |
| category | FILE |

8.29 Public link deletion



[Since 2021.04]

| Parameter | Description |
|------------|----------------------------------|
| operation | FILE_PUBLIC_LINK_DELETE |
| objectId | object id |
| requestId | request id |
| publicLink | public link object with link uid |
| category | FILE |

8.30 Notification tenant settings changed



[Since 2022.05]

8.31 For tenant users

| Parameter | Description |
|-----------|--------------------------------|
| operation | TENANT_SETTINGS_CHANGED |
| category | USER |

8.31 Notification user profile changed

| Parameter | Description |
|-----------|-----------------------------|
| operation | USER_PROFILE_CHANGED |
| category | USER |

8.32 User's token can be expired or invalid

| Parameter | Description |
|-----------|----------------------------------|
| operation | AUTH_TOKEN_CAN_BE_EXPIRED |
| category | USER |
| userId | user id |
| login | fs login of user |
| requestId | request id |

8.33 Notification user profile changed



[Since 2017.01]

| Parameter | Description |
|-----------|------------------------------|
| operation | USER_PROFILE_PICTURE_CHANGED |
| category | USER |

8.34 Notification user quota changed



[Since 2016.4]

| Parameter | Description |
|------------|---------------------------------|
| operation | QUOTAS_CHANGED |
| totalBytes | Total user's file storage space |
| usedBytes | Used storage space |
| category | USER |

8.35 Notification file restore from trash



[Since 2016.4]

| Parameter | Description |
|-----------|--|
| operation | FILE_UNTRASH |
| destDirId | target folder id (parent id) [Since 2017.01] |
| objectId | restored object id - may differ from source id |
| dirId | trash folder id [Since 2017.01] |
| requestId | request id |
| category | FILE |

8.36 Notification max path length reached during zip file creation



[Since 2017.01]

| Parameter | Description |
|-----------|-----------------------------|
| operation | ZIP_MAX_PATH_LENGTH_REACHED |

| Parameter | Description |
|--------------|---------------------------------------|
| objectName | file name with long path |
| requestId | request id |
| zipRequestId | zip request id [Since 2021.01] |
| category | FILE |

8.37 Notification zip cannot be prepared completely



[Since 2017.04]

| Parameter | Description |
|--------------|---|
| operation | ZIP_ADD_TO_ARCHIVE_ERROR |
| objectName | zip file name |
| requestId | request id |
| objectId | object id |
| zipRequestId | zip request id [Since 2021.01] |
| category | FILE |
| dirId | object parent's id [Since 2020.02] |
| mediaType | FILE [Since 2020.02] |

8.38 Notification zip prepared completely



[Since 2020.02]

| Parameter | Description |
|--------------|---------------------------------------|
| operation | ZIP_ADD_SELECTED_SUCCESS |
| requestId | request id |
| objectId | object id |
| zipRequestId | zip request id [Since 2021.01] |
| category | FILE |

8.39 Notification zip prepared with errors

Not every files in the path were added to the archive



[Since 2020.02]

| Parameter | Description |
|--------------|--------------------------------|
| operation | ZIP_ADD_SELECTED_WARN |
| requestId | request id |
| objectId | selected object id |
| zipRequestId | zip request id [Since 2021.01] |
| category | FILE |

8.40 Notification file editing state

Document was saved by collaborator (content was changed)



[Since 2017.01]

| Parameter | Description |
|------------|------------------------------------|
| operation | DOCUMENT_SAVE_SUCCEEDED |
| objectId | object id |
| dirId | object parent's id |
| requestId | request id |
| revisionId | object revision id [Since 2020.01] |
| category | DOCUMENT |

Document ROM representaiion was saved by DU (content was changed)



[Since 2019.01]

| Parameter | Description |
|-----------|------------------------------------|
| operation | DOCUMENT_ROM_SAVE_SUCCEEDED |
| objectId | object id |
| dirId | object parent's id |
| requestId | request id |

| Parameter | Description |
|------------|---|
| revisionId | object revision id [Since 2020.01] |
| category | DOCUMENT |

Document was opened by collaborator (viewer or editor)



[Since 2017.01]

| Parameter | Description |
|------------|---|
| operation | DOCUMENT_OPEN_SUCCEEDED |
| objectId | object id |
| dirId | object parent's id |
| requestId | request id |
| revisionId | object revision id [Since 2020.01] |
| category | DOCUMENT |

Attempt to open document was unsuccessful



[Since 2017.01]

| Parameter | Description |
|-----------|----------------------------|
| operation | DOCUMENT_OPEN_ERROR |
| objectId | object id |
| dirId | object parent's id |
| requestId | request id |
| category | DOCUMENT |

Document was closed by all collaborators



[Since 2017.01]

| Parameter | Description |
|-----------|---------------------------------|
| operation | DOCUMENT_CLOSE_SUCCEEDED |
| objectId | object id |
| dirId | object parent's id |
| requestId | request id |

| Parameter | Description |
|-----------|-------------|
| category | DOCUMENT |

8.41 Notification revisions processing

File revision was added



[Since 2017.02]

| Parameter | Description |
|------------|--------------------------|
| operation | FILE_REVISION_ADD |
| objectId | file id |
| revisionId | new revision id |
| requestId | request id |
| category | REVISION |

File revision creation failed



[Since 2017.02]

| Parameter | Description |
|------------|--------------------------------|
| operation | FILE_REVISION_ADD_ERROR |
| objectId | file id |
| revisionId | new revision id |
| errorCode | SRV error code |
| requestId | request id |
| category | REVISION |

File revision was removed



[Since 2017.02]

| Parameter | Description |
|------------|-----------------------------|
| operation | FILE_REVISION_DELETE |
| objectId | file id |
| revisionId | revision id |

| Parameter | Description |
|-----------|-------------|
| requestId | request id |
| category | REVISION |

File revision was updated



[Since 2017.03]

| Parameter | Description |
|------------|-----------------------------|
| operation | FILE_REVISION_UPDATE |
| objectId | file id |
| revisionId | revision id |
| requestId | request id |
| category | REVISION |

8.42 Notification file preview is ready



[Since 2018.01]

| Parameter | Description |
|-----------|---------------------------|
| operation | FILE_PREVIEW_READY |
| objectId | object id |
| requestId | request id |
| category | FILE |

8.43 Notification media uploading state

Media upload ended successfully



[Since 2018.01]

| Parameter | Description |
|-----------|--|
| operation | DOCUMENT_MEDIA_UPLOAD_SUCCEEDED |
| objectId | object id |
| sourceId | media id |
| requestId | request id |

| Parameter | Description |
|-----------|-------------|
| category | DOCUMENT |

Media upload ended with error



[Since 2018.01]

| Parameter | Description |
|-----------|------------------------------------|
| operation | DOCUMENT_MEDIA_UPLOAD_ERROR |
| objectId | object id |
| sourceId | media id |
| requestId | request id |
| category | DOCUMENT |

8.44 Notification mail sending state

Mail was sent successfully



[Since 2018.03]

| Parameter | Description |
|------------|--|
| operation | MAIL_SENT |
| objectId | object id |
| objectName | name of object or recipient (sender smtpToUser) |
| email | email of recipient (smtpTo address) |
| sourceId | source object id used for conversion (may be hidden one) |
| requestId | request id |
| category | MAIL |

Mail was not sent



[Since 2018.03]

| Parameter | Description |
|-----------|------------------------|
| operation | MAIL_SENT_ERROR |

| Parameter | Description |
|------------------|--|
| objectId | object id |
| objectName | name of object or recipient (sender smtpToUser) |
| email | email of recipient (smtpTo address) |
| sourceId | source object id used for conversion (may be hidden one) |
| requestId | request id |
| category | MAIL |

9. Document API

9.1 Open document

A request to start new DU in order to open document

```
GET /api/v1/documents/{docId}/subscribe HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| docId | The ID of the file. |

Request parameters

| Parameter | Description |
|--------------------|--|
| timezoneOffsetMins | Timezone to be used during the conversion process. |

Example request

```
$ curl
'https://localhost:9094/api/v1/documents/03232hs18Aav0CUzW1X/subscribe' -
H 'X-co-auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 101 Switching Protocols
Upgrade: websocket
Connection: Upgrade
```

9.2 Create new document from user's template



[Since 2019.01]

A request to create new document from template document for future opening it

```
POST /api/v1/documents/{docId} HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|--|
| docId | File ID in storage to be used as template for new file. [Since 2019.01] |

Request fields

| Path | Type | Description |
|-----------|--------|---|
| filename | String | The suggested name of the file. |
| parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| mediaType | String | The media type of the new file or template (application/vnd.collabio.xoduments.document). |

Response structure

| Path | Type | Description |
|-----------|--------|--|
| id | String | The ID of the file in storage. |
| filename | String | The name of the real file. |
| parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| mediaType | String | The media type of the created file (application/vnd.collabio.xoduments.document). |

Example request

```
$ curl -XPOST
'http://localhost:9094/api/v1/documents/O3231hpR9pL5WEirt2X1' -H 'X-co-
auth-token: 8705adfeb88111b472e089a6af6aa929' -H 'Content-Type:
application/json;charset=UTF-8' -d '{
  "filename": "mydoc.xodt",
  "parentId": "O3231hpR9pL5WEirt2X",
  "mediaType": "application/vnd.collabio.xoduments.document"
}'
```

Example response

```
HTTP/1.1 200 OK
Content-Length: 162
```

```
Content-Type: application/json;charset=UTF-8
```

```
{
  "id" : "03232hwlp0Bx2gY2bFZ",
  "parentId" : "03231hpR9pL5WEirt2X",
  "filename" : "mydoc (2).xodt",
  "mediaType" : "application/vnd.collabio.xodocuments.document"
}
```

9.3 Create new empty document from default template



[Since 2019.01]

A request to create new empty document for future opening it.

```
POST /api/v1/documents HTTP/1.1
```

Request fields

| Path | Type | Description |
|-----------|--------|---|
| filename | String | The suggested name of the file. |
| parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| mediaType | String | The media type of the new file or template (application/vnd.collabio.xodocuments.document). |
| lang | String | The language of the template file (en-US) |

Response structure

| Path | Type | Description |
|-----------|--------|--|
| id | String | The ID of the file in storage. |
| filename | String | The name of the real file. |
| parentId | String | The parent folder (parentReferenceId) which contains this file. The root has no parent |
| mediaType | String | The media type of the created file (application/vnd.collabio.xodocuments.document). |
| lang | String | The language of the template file (en-US ru-RU). |

Example request

```
$ curl 'http://localhost:9094/api/v1/documents' -H 'X-co-auth-token:
8705adfeb88111b472e089a6af6aa929' -H 'Content-Type:
application/json;charset=UTF-8' -d '{
  "filename": "mydoc.xodt",
  "parentId": "03231hpR9pL5WEirt2X",
  "mediaType": "application/vnd.collabio.xodocuments.document",
  "lang": "en-US"
}'
```

Example response

```
HTTP/1.1 200 OK
Content-Length: 162
Content-Type: application/json;charset=UTF-8

{
  "id" : "03232hwlp0Bx2gY2bFZ",
  "parentId" : "03231hpR9pL5WEirt2X",
  "filename" : "mydoc (2).xodt",
  "mediaType" : "application/vnd.collabio.xodocuments.document",
  "lang" : "en-US"
}
```

9.4 Get media from opened document

A request to get content of media file, that is bundled in already opened document.

```
GET /api/v1/documents/{docId}/media/{mediaId:.+} HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------------|
| docId | The ID of the file. |
| mediaId | The ID of the media file. |

Request parameters

| Parameter | Description |
|-----------|---|
| quality | Quality for returned picture (S M L) [Since 2017.01] |

Example request

```
$ curl
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X/media/3a43d901-66d8-467f-82e7-6aaad2984bcc' -H 'X-co-auth-token:8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK
Content-Disposition: inline;filename=3a43d901-66d8-467f-82e7-6aaad2984bcc
Content-Type: image/png;charset=UTF-8

some example content
```

9.5 Get media by range from opened document



[Since 2019.03]

Get unpacked media from DU by Range header. Media ID is parsed by Core from DOM XML media references."

```
GET /api/v1/documents/{docId}/media/{mediaId:.+}/stream
```

Path parameters

| Parameter | Description |
|-----------|---------------------------|
| docId | The ID of the file. |
| mediaId | The ID of the media file. |

Request headers

| Header | Description |
|--------|---|
| Range | Range for bytes which will return in response |

Example request

```
$ curl
'http://localhost:9094/api/v1/documents/O3221h19JyMhcYfuOwS/media/test.pn'
```

```
g/stream' -H 'X-co-auth-token: 8705adfeb88111b472e089a6af6aa929' -H
'Range: bytes=0-
```

Example response

```
HTTP/1.1 206 OK
Content-Length: 24977
Content-Range: bytes 0-24976/24977
Content-Type: image/png

some example content
```

9.6 Post new media file to opened document

A request to put new media file to be bundled in already opened document.

```
POST /api/v1/documents/{docId}/media HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| docId | The ID of the file. |

Request multipart form data

| Part | Description |
|------|--------------------------|
| file | The file to be uploaded. |

Example request

```
$ curl -i -X POST -H "Content-Type: multipart/form-data" -F
"file=@image.png"
'http://localhost:9094/api/v1/documents/03232hs18Aav0CUzW1X/media' -H 'X-
co-auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 204 No content
Content-Length: 0
```

9.7 Get collaborators' info for an opened document



[Since 2020.01]

Get collaborators' info for an opened document. Only for shared users. Will return set of language, e-mail and avatar for all collaborators.

```
GET /api/v1/documents/{docId}/collaborators
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| docId | The ID of the file. |

Example request

```
$ curl
'http://localhost:9094/api/v1/documents/03221hl9JyMhcYfuOwS/collaborators
' -H 'X-co-auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json

[
  {
    "avatar": "03221hjpxDLGB5zYain",
    "email": "test@test.ru",
    "login": "login@test.ru",
    "lang": "en-US"
  }
]
```

9.8 Put new media file to opened document by downloading it from external URL



[Since 2018.02]

A request to put new media (downloading it by URL) to be bundled in already opened document.

```
PUT /api/v1/documents/{docId}/media HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| docId | The ID of the file. |

Request parameters

| Parameter | Description |
|-----------|--|
| mediaId | The ID of the media file. |
| url | The URL to external resource with media. |

Example request

```
$ curl -i -X PUT
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X/media?url=http://example.com/test.jpg&mediaId=imageId' -H 'X-co-auth-token:8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 204 No content
Content-Length: 0
```

9.9 Get Pregon for document (readonly)



[Since 2017.01]

A request to get Pregon representation of document.

```
POST /api/v1/documents/{docId}/readonly HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| docId | The ID of the file. |

Request headers

| Header | Description |
|---------------|--|
| If-None-Match | Etag of file. Response is 304 if Etag is not changed for DOM file (so file's content is not changed) |

Request fields

| Path | Type | Description |
|---------------|---------|--|
| wholeDocument | Boolean | Flag to use pregen for whole document's content (true) |

Example request

```
$ curl -i -X POST
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X/readonly' -H
'X-co-auth-token: 8705adfeb88111b472e089a6af6aa929' -H 'Content-Type:
application/json' -d '{"wholeDocument":true}'
```

Example response

```
HTTP/1.1 200 OK
ETag: W/e57578a33e7308551d043308530e959a
Content-Disposition: inline;filename=ROM_DOM_O3232hs18Aav0CUzW1X
Content-Type: application/vnd.ncloudtech.cloudoffice.internal.pregen

some example content
```

9.10 Check if document content was changed (readonly)



[Since 2017.01]

A request to check if document content was changed from last request.

```
HEAD /api/v1/documents/{docId}/readonly HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| docId | The ID of the file. |

Request headers

| Header | Description |
|---------------|--|
| If-None-Match | Etag of file. Response is 304 if Etag is not changed for DOM file (so file's content is not changed) |

Example request

```
$ curl -i -X HEAD
'http://localhost:9094/api/v1/documents/03232hs18Aav0CUzW1X/readonly' -H
'If-None-Match: W/ad72fad837e1e3b55b2b00468c19af79' -H 'X-co-auth-token:
8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK
ETag: W/e57578a33e7308551d043308530e959a
```

9.11 Save document changes to FS by DU

A request to save document changes to FS by DU if it's opened for editing.

```
POST /api/v1/documents/{docId}/save HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| docId | The ID of the file. |

Example request

```
$ curl -i -X POST
'http://localhost:9094/api/v1/documents/03232hs18Aav0CUzW1X/save' -H 'X-
co-auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK
```

9.12 Get DuEdit info from IMC



[Since 2020.01]

A request to get collaboration information for a document if it's opened.

```
GET /api/v1/documents/{docId} HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| docId | The ID of the file. |

Example request

```
$ curl -i -X GET
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X' -H 'X-co-
auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8

{
  "revision": "157",
  "savedByDu": false
}
```

9.13 Stop collaboration and force exit DU



[Since 2020.01]

A request to stop collaboration and clear all resources (DU) for it, if document is opened.

```
DELETE /api/v1/documents/{docId} HTTP/1.1
```

Path parameters

| Parameter | Description |
|-----------|---------------------|
| docId | The ID of the file. |

Example request

```
$ curl -i -X DELETE  
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X' -H 'X-co-  
auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 204 No content
```