



2017-10-10

## Bg Link 2.0

### Service Interface

#### 2.0.12

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## Revision history

Version	Date	Author	Comment
<b>p2.0.1</b>	2014-05-14		Started on content
<b>P2.0.5</b>	2014-08-18		Filedata must be Base64 encoded.
<b>P2.0.9</b>	2016-02-03		Added Progress status for mobile BankID and property Civic Number for Logon request
<b>2.0.11</b>	2016-05-02	Kenneth Jansson	Revised version. Minor updates to description of Request-parameter for LogonRequest.
<b>2.0.12</b>	2017-10-10		UploadCompressedFile chapter added.

## References

No	Document	Description
<b>1</b>	Bg Link 2.0 – Programmers guide	Guide for client application developers

# 1 Environments

## 1.1 Test environment

The Bg Link 2.0 test environment is published at:

<https://www.bt.bglinkws.bgonline.se/WebService/BgLinkService.svc>

## 1.2 Production environment

The Bg Link 2.0 production environment is published at:

<https://www.bglinkws.bgonline.se/WebService/BgLinkService.svc>

# 2 Message structure

## 2.1 Requests

All request types follows the same structure. The request contains 2 properties. The first one is a RequestContext object and the other one is an inner Request object of different type for each operation containing the input parameters for the operation.

Request

- Context : RequestContext
- Request: object

### 2.1.1 RequestContext

Property	Type	Description
<b>MessageId</b>	Guid	A unique id for each message.
<b>ProgramId</b>	string	An identification string for the client application. Used when searching logs.
<b>SessionId</b>	string	The sessionId received on Logon. Not mandatory when calling Logon.
<b>Timestamp</b>	DateTime	The time the request is made.

## 2.2 Responses

All response types follow the same structure. The response contains 2 properties. The first one is a ResponseContext object and the other one is an inner response object of different type for each operation containing the output parameters for the operation.

Response

- Context : ResponseContext
- Response: object

## 2.2.1 ResponseContext

Property	Type	Description
<b>MessageId</b>	Guid	A unique id for each message.
<b>CorrelationId</b>	string	The request message id.
<b>RelatedSessionId</b>	Guid	A GUID that is used for all calls within the same session and is used for logging in the service. Use this reference when reporting errors to Bankgirot.
<b>StatusCode</b>	Enum: StatusCodeType	ACK = the operation succeeded. NACK = the operation failed, see fault object.
<b>Timestamp</b>	DateTime	The time the request is made.
<b>Fault</b>	FaultType	A fault object describing the fault with an error code and a message. There may be more info in the PropertyBag of the fault. Time and ProgramId is present in all faults.  File validation and file content authorization errors is stored as sub error in the SubFaultBag.
<b>SessionId</b>	string	The sessionId for the session.

## 2.2.1.1 ERROR CODES

Error Code	Description
BgLinkErr_General	A general error occurred.  The PropertyBag contains: <b>Time, ProgramId</b>
BgLinkErr_NotAuthorized	The user does not have user rights for the requested operation or if the certificate policy of an involved Bank does not support the certificate issuer used.  The PropertyBag contains: <b>Time, ProgramId, UserCA, UserCivicNumber, Info</b>
BgLinkErr_UnauthorizedPayment	The user does not have user rights for the payments in the file.  The PropertyBag contains: <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product and Info.</b>  The SubFaultBag contains one or several of these sub faults.  <b>SubFaultUnauthorizedForCustomerNumber</b> <b>SubFaultInvalidCustomerNumber</b>

	<b>SubFaultUnauthorizedForBgNumber</b> <b>SubFaultInvalidBgNumber</b>
BgLinkErr_FileErrorInvalidTransitFile	<p>The file is not recognized as a valid transit file.</p> <p>The PropertyBag contains:  <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info, OriginalProduct</b></p>
BgLinkErr_FileErrorInvalidProduct	<p>The specified product is not recognized.</p> <p>The PropertyBag contains:  <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info, FileType</b></p>
BgLinkErr_FileErrorMismatchingProducts	<p>The specified product is not the same as the actual product used.</p> <p>The PropertyBag contains:  <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info, FileType</b></p>
BgLinkErr_FileErrorInvalidProductForServiceBureau	<p>The specified product cannot be used by a service bureau.</p> <p>The PropertyBag contains:  <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info</b></p>
BgLinkErr_FileErrorNotBase64	<p>The uploaded file is not in base64 format.</p> <p>The PropertyBag contains:  <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info</b></p>
BgLinkErr_FileErrorInvalidSize	<p>The file is larger than the allowed maximum size.</p> <p>The PropertyBag contains:  <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info, MaxSize, Size</b></p>
BgLinkErr_FileValidationError	<p>Validation of the file content failed at file level.</p> <p>The PropertyBag contains:  <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info</b></p> <p>The SubFaultBag contains one of these sub faults.  <b>BGNumberError</b>  <b>CountError</b>  <b>DateError</b>  <b>EmptyFile</b>  <b>EmptyRecord</b>  <b>EndRecError</b>  <b>LayoutError1_2</b></p>

	<b>LayoutError2_1</b> <b>MaxCountReached</b> <b>Mod10Error</b> <b>NumError</b> <b>CivicNrError</b> <b>RangeError</b> <b>RecordLengthError</b> <b>StartStopError</b> <b>StringError</b> <b>SumError</b> <b>UnknownFileType</b> <b>UnknownRecordType</b> <b>UpperCaseError</b> <b>ZeroValueError</b> <b>UnknownError</b>
BgLinkErr_FileFieldValidationError	<p>Validation of the file content failed at field level.</p> <p>The PropertyBag contains:  <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info</b></p> <p>The SubFaultBag contains one of these sub faults.  <b>BGNumberError</b>  <b>CountError</b>  <b>DateError</b>  <b>EmptyFile</b>  <b>EmptyRecord</b>  <b>EndRecError</b>  <b>LayoutError1_2</b>  <b>LayoutError2_1</b>  <b>MaxCountReached</b>  <b>Mod10Error</b>  <b>NumError</b>  <b>CivicNrError</b>  <b>RangeError</b>  <b>RecordLengthError</b>  <b>StartStopError</b>  <b>StringError</b>  <b>SumError</b>  <b>UnknownFileType</b>  <b>UnknownRecordType</b>  <b>UpperCaseError</b>  <b>ZeroValueError</b>  <b>UnknownError</b></p>
BgLinkErr_FileSummaryError	<p>The file validation failed with unspecified reason.</p> <p>The PropertyBag contains:  <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info</b></p>
BgLinkErr_SignatureError	<p>The digital signature could not be verified.</p> <p>The PropertyBag contains:</p>



	<b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info</b>
BgLinkErr_CivicNumberMismatch	<p>The civic number of the logged in user and the signing user does not match.</p> <p>The PropertyBag contains: <b>Time, ProgramId, User, SigningUserCivicNumber, Info</b></p>
BgLinkErr_InvalidCA	<p>The involved Bank for a payment row does not support the used certificate.</p> <p>The PropertyBag contains: <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info</b></p> <p>The SubFaultBag contains one or several of these sub faults.</p> <p><b>SubFaultNoHclnrForCustomerNumber SubFaultNoHclnrForBgNumber SubFaultCANotInPolicyRegister</b></p>
BgLinkErr_AllocatingFileError	<p>A technical error occurred when downloading file.</p> <p>The PropertyBag contains: <b>Time, ProgramId, FileId</b></p>
BgLinkErr_TapeFileError	<p>A technical error occurred when downloading file, the file is archived and will be available in some minutes.</p> <p>The PropertyBag contains: <b>Time, ProgramId, FileId</b></p>
BgLinkErr_NotExpectedStatus	<p>A technical error occurred when downloading file, the file cannot be downloaded due to its status.</p> <p>The PropertyBag contains: <b>Time, ProgramId, FileId</b></p>
BgLinkErr_InvalidNumberOfSigners	<p>The given number of signers is not valid.</p> <p>The PropertyBag contains: <b>Time, ProgramId, User, CustomerNumber/SBNumber, Product, Info, MinNoSigners, MaxNoSigners, NoSigners</b></p>
BgLinkErr_FileNotFound	<p>The file id specified was not found.</p> <p>The PropertyBag contains:</p>

	<b>Time, ProgramId, FileId</b>
BgLinkErr_AuthenticateError	The Auth-call to BankID's central server failed.  The PropertyBag contains: <b>Time, ProgramId, FaultCode, Error</b>
BgLinkErr_SignError	The Sign-call to BankID's central server failed.  The PropertyBag contains: <b>Time, ProgramId, FaultCode, Error</b>
BgLinkErr_CollectError	The Collect-call to BankID's central server failed.  The PropertyBag contains: <b>Time, ProgramId, FaultCode, Error</b>
BgLinkErr_InternalError	An internal error has occurred.  The PropertyBag contains: <b>Time, ProgramId</b>
BgLinkErr_InvalidSessionId	The given Session ID the request context is not valid.  The PropertyBag contains: <b>Time, ProgramId</b>
BgLinkErr_UserRightsNotLoaded	The user is not logged on.  The PropertyBag contains: <b>Time, ProgramId, SessionId</b>
BgLinkErr_InvalidProgramId	The given Program ID the request context is not valid.  The PropertyBag contains: <b>Time, ProgramId, MaxLength</b>
BgLinkErr_InvalidMessageId	The given Message ID the request context is not valid.  The PropertyBag contains: <b>Time, ProgramId, Value</b>
BgLinkErr_UnknownUser	The given civic number does not have any user rights.  The PropertyBag contains: <b>Time, ProgramId, CivicNumber</b>

BgLinkErr_MultipleSignAttempt	<p>The user tries to sign the same file multiple times.</p> <p>The PropertyBag contains: <b>Time, ProgramId, FileId, Name, CivicNumber</b></p>
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### 2.2.1.2 SUB FAULT CODES

<b>Error Code</b>	<b>Description</b>
SubFaultUnauthorizedForCustomerNumber	<p>The user is not authorized for customer number in file.</p> <p>The sub fault property bag contains: <b>Row, CustomerNumber</b></p>
SubFaultInvalidCustomerNumber	<p>Invalid customer number in file.</p> <p>The sub fault property bag contains: <b>Row, CustomerNumber</b></p>
SubFaultUnauthorizedForBgNumber	<p>The user is not authorized for Bankgiro number in file.</p> <p>The sub fault property bag contains: <b>Row, BgNumber</b></p>
SubFaultInvalidBgNumber	<p>Invalid Bankgiro number in file.</p> <p>The sub fault property bag contains: <b>Row, BgNumber</b></p>
SubFaultNoHclnrForCustomerNumber	<p>Hclnr for customer number is missing.</p> <p>The sub fault property bag contains: <b>Row, CustomerNumber</b></p>
SubFaultNoHclnrForBgNumber	<p>Hclnr for Bankgiro number is missing.</p> <p>The sub fault property bag contains: <b>Row, BgNumber</b></p>
SubFaultCANotInPolicyRegister	<p>The certificate is not in the policy register.</p> <p>The sub fault property bag contains: <b>Row, CA, Hclnr</b></p>
BGNumberError	<p>File content validation error. Bankgiro number is missing.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
CountError	<p>File content validation error. The number of records is incorrect.</p>

	<p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
DateError	<p>File content validation error. The field does not contain a valid date.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
EmptyFile	<p>File content validation error. The file is empty.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
EmptyRecord	<p>File content validation error. Found an empty row. Empty rows are not allowed.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
EndRecError	<p>File content validation error. The file lacks a closing record.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
LayoutError1_2	<p>File content validation error. Invalid Bankgiro number. Check that the closing record has layout code 1 (for seven digit Bankgiro numbers).</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
LayoutError2_1	<p>File content validation error. Invalid Bankgiro number. Check that the closing record has layout code 2 (for eight digit Bankgiro numbers).</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
MaxCountReached	<p>File content validation error. There are too many occurrences of a record type.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
Mod10Error	<p>File content validation error. The control digit is incorrect.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
NumError	<p>File content validation error. The field may only contain numbers.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>

CivicNrError	<p>File content validation error. The civic number is not valid.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
RangeError	<p>File content validation error. The fields value is outside the valid range</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
RecordLengthError	<p>File content validation error. Row is too long. It contains more characters than s allowed.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
StartStopError	<p>File content validation error. The number of open records does not match the number of closing records.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
StringError	<p>File content validation error. The field does not contain a valid string.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
SumError	<p>File content validation error. The summary is not correct.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
UnknownFileType	<p>File content validation error. Unknown file type.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
UnknownRecordType	<p>File content validation error. Unknown record.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
UpperCaseError	<p>File content validation error. The field may only contain uppercase letters.</p> <p>The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b></p>
ZeroValueError	<p>File content validation error. The field contains value null or zero, this is not allowed.</p> <p>The sub fault property bag contains:</p>

	<b>Row, Field (If FileFieldValidationError)</b>
UnknownError	File content validation error. Unexpected error.  The sub fault property bag contains: <b>Row, Field (If FileFieldValidationError)</b>

### 2.2.1.3 PROGRESSSTATUS

During Logon, UploadFile, UploadCompressedFile and SignFile a progress status is returned when calling the collect operations. The possible progress status values are:

<b>ProgressStatus</b>	<b>Description</b>
ProgressStatusType.OUTSTANDING_TRANSACTION	ok, login/sign is ongoing with BankID on file, keep calling Collect.
ProgressStatusType.OUTSTANDING_TRANSACTION_MOBILE	ok, login/sign is ongoing with mobile BankID, keep calling Collect.
ProgressStatusType.NO_CLIENT	<b>Error:</b> no BankID application on the machine
ProgressStatusType.STARTED	ok, login/sign is ongoing with BankID, keep calling Collect.
ProgressStatusType.USER_SIGN	ok, login/sign is ongoing (client application is started), keep calling Collect.
ProgressStatusType.USER_REQ	not used
ProgressStatusType.COMPLETE	ok, the logon/sign is complete
ProgressStatusType.UNKNOWN	The status received from BankID is not known by Bg Link.

## 3 Operations

### 3.1 Logon

The logon operation shall be called before any other operation is called in one session. The operation starts the logon process and returns a session id that shall be used in all other operation calls. The logon is not complete until CollectLogon operation returns status COMPLETE. See CollectLogon operation below.

#### 3.1.1 Logon request

Note: LogonRequest should have the Request-parameter initialized even if CivicNo is left empty.

Property	Type	Description
<b>CivicNo</b>	string	<b>Optional.</b> Civic number needed for mobile BankID logon.

### 3.1.2 Logon response

Property	Type	Description
<b>AutoStartToken</b>	string	The autostartToken needed for starting the BankID application.
<b>OrderReference</b>	string	A reference for the ongoing BankID operation. Used when polling for status. See (CollectLogon operation).

Except for the response parameters the session id property in the response context shall be fetched to be used in all other calls to Bg Link Web Service.

## 3.2 CollectLogon

After the logon operation is called and the BankID application is started with the AutoStartToken received in the Logon response, the collect logon operation shall be called every 2 seconds until it returns status COMPLETE. When status COMPLETE is returned the session is started and the user is logged on.

### 3.2.1 CollectLogon request

Property	Type	Description
<b>OrderReference</b>	string	A reference for the ongoing BankID operation. Use the value returned by the Logon operation.

### 3.2.2 CollectLogon response

Property	Type	Description
<b>ProgressStatus</b>	string	The status received from the BankID's central server.  See ProgressStatus section above.

## 3.3 Logout

The logout operation shall be called when the user of the client application ends a session.

### 3.3.1 Logout request

The request does not contain any other input parameters than the ones in the request context.

### 3.3.2 Logout response

The response does not contain any other output parameters than the ones in the response context.

## 3.4 GetUserRights

GetUserRights returns all user rights for the user that is logged on in the session.

### 3.4.1 GetUserRights request

The request does not contain any other input parameters than the ones in the request context.

### 3.4.2 GetUserRights response

Property	Type	Description
<b>UserRights</b>	UserRights	An object containing all user rights. See description below.

#### UserRights

```

UserName : string
CivicNumber : string
Roles : Role[]
  Id : string ( d | u | s)
  Name : string
  Products : Product[]
    Id : string
    Type : ProductType ( LB | AGN | KI | ...)
    Name : string
  Customers : Customer[]
    Id : string Customer number or Service bureau number
    Name : string
    Info : string Customer number if Id is a service bureau
    number
    BgNumbers : BgNumber[]
      Id : string The bg number
      Name : string
      Hclnr : string The bank. For example 6000
      IsDefault : bool
      IsServiceBureauAttest : bool

```

## 3.5 UploadFile

The UploadFile operation starts a file upload process. The file upload process is not complete until status COMPLETE is returned when calling CollectUpload operation (see below).

### 3.5.1 UploadFile request

Property	Type	Description
<b>File</b>	FileUpload	An object containing the file upload details.



## FileUpload object

Property	Type	Description
<b>Data</b>	byte[]	Base-64 encoded file data.
<b>SignFlag</b>	bool	The file is to be signed together with the upload.
<b>TestFlag</b>	bool	The file is a test file.
<b>Product</b>	ProductType	The product type of the file. LB   KI   AGN   SUS   FHO...
<b>CustomerNumber</b>	string	The customer number for the customer sending the file.
<b>NumberOfRequestedSigners</b>	int	The number of signers needed for the file to be approved.
<b>Filename</b>	string	The name of the file.

## 3.5.2 UploadFile response

Property	Type	Description
<b>AutoStartToken</b>	string	The autostartToken needed for starting the BankID application.
<b>OrderReference</b>	string	A reference for the ongoing BankID operation. Used when polling for status. See (CollectUpload operation).

## 3.6 UploadCompressedFile

The UploadCompressedFile operation starts a file upload process. The file upload process is not complete until status COMPLETE is returned when calling CollectUpload operation (see below).

## 3.6.1 UploadFile request

Property	Type	Description
<b>File</b>	FileUpload	An object containing the file upload details.

## FileUpload object

Property	Type	Description
<b>Data</b>	byte[]	Gzip compressed and base-64 encoded file data. Note that the data is required to be compressed before encoded.
<b>SignFlag</b>	bool	The file is to be signed together with the upload.
<b>TestFlag</b>	bool	The file is a test file.
<b>Product</b>	ProductType	The product type of the file. LB   KI   AGN   SUS   FHO...
<b>CustomerNumber</b>	string	The customer number for the

		customer sending the file.
<b>NumberOfRequestedSigners</b>	int	The number of signers needed for the file to be approved.
<b>Filename</b>	string	The name of the file.

### 3.6.2 UploadFile response

Property	Type	Description
<b>AutoStartToken</b>	string	The autostartToken needed for starting the BankID application.
<b>OrderReference</b>	string	A reference for the ongoing BankID operation. Used when polling for status. See (CollectUpload operation).

## 3.7 CollectUpload

After the UploadFile operation is called and the BankID application is started, the CollectUpload operation shall be called every 2 seconds until it returns status COMPLETE. When status COMPLETE is returned the file is uploaded.

### 3.7.1 CollectUpload request

Property	Type	Description
<b>OrderReference</b>	string	A reference for the ongoing BankID operation. Use the value returned by the UploadFile operation.

### 3.7.2 CollectUpload response

Property	Type	Description
<b>ProgressStatus</b>	string	The status received from the BankID's central server.  See ProgressStatus section above.
<b>FileId</b>	long	The id of the uploaded file. This value is only set if ProgressStatus is COMPLETE.

## 3.8 SignFile

The SignFile operation starts a file signing process. The file sign process is not complete until status COMPLETE is returned when calling CollectSign operation (see below).

### 3.8.1 SignFile request

Property	Type	Description
<b>FileId</b>	long	The id of the file to sign.

### 3.8.2 SignFile response

Property	Type	Description
<b>AutoStartToken</b>	string	The autostartToken needed for starting the BankID application.
<b>OrderReference</b>	string	A reference for the ongoing BankID operation. Used when polling for status. See (CollectSign operation).

## 3.9 CollectSign

After the SignFile operation is called and the BankID application is started, the CollectSign operation shall be called every 2 seconds until it returns status COMPLETE. When status COMPLETE is returned the file is signed.

### 3.9.1 CollectSign request

Property	Type	Description
<b>OrderReference</b>	string	A reference for the ongoing BankID operation. Use the value returned by the SignFile operation.

### 3.9.2 CollectSign response

Property	Type	Description
<b>ProgressStatus</b>	string	The status received from the BankID's central server.  See ProgressStatus section above.

## 3.10 GetUploadedFiles

The GetUploadedFiles operation returns info about all files which the user has user rights to upload or sign.

### 3.10.1 GetUploadedFiles request

The request does not contain any other input parameters than the ones in the request context.

### 3.10.2 GetUploadedFiles response

Property	Type	Description
<b>Files</b>	FileInfo[]	Array that contains files which have status set to Stopped, deleted, or in-process.
<b>ProcessedFiles</b>	FileInfoProcessed[]	Array that contains files which have status set to approved.
<b>PendingFiles</b>	FileInfoWaiting[]	Array that contains files which have status set to pending.

## FileInfo

Property	Type	Description
<b>FileId</b>	long	The id of the file.
<b>CustomerNumber</b>	string	The customer number for the customer which earlier uploaded the file.
<b>Product</b>	Product	The product type of the file.
<b>IsTestFile</b>	bool	IsTestFile is set to true if the file is a test file.
<b>StatusCode</b>	StatusCode	File status.
<b>DeliveryDateTime</b>	DateTime	Time when file was uploaded.
<b>IsDownloadable</b>	bool	IsDownloadable is set to true if the file can be downloaded.

## StatusCode

Property	Type	Description
<b>FileStatus</b>	StatusCategory	File status. Pending, InProcess, Approved, Stopped, or Deleted.
<b>StatusType</b>	StatusType	File status type, UploadedFiles or ResultFiles.

## FileInfoProcessed : FileInfo

Property	Type	Description
<b>TotalFileAmount</b>	decimal	Total amount in file.

## FileInfoWaiting : FileInfo

Property	Type	Description
<b>SignatureRequested</b>	int	Number of requested signatures.

<b>SignaturePerformed</b>	int	Number of performed signatures.
<b>SignerInfo</b>	SignatureInfo	File was uploaded and signed at the same time.
<b>NonSignerInfo</b>	SignatureInfo	File was uploaded and not signed at the same time. NonSignerInfo contains the uploader and the upload time.
<b>SignersInfo</b>	SignatureInfo[]	File signatures.
<b>FileSummaryRows</b>	FileSummaryRow[]	File summary records.

## SignatureInfo

Property	Type	Description
<b>SignedDate</b>	DateTime	Time of signature or upload.
<b>Person</b>	Person	The signer or uploader.

## Person

Property	Type	Description
<b>Name</b>	string	The name of the person
<b>CivicNumber</b>	string	The civic number of the person.

## FileSummaryRow

Property	Type	Description
<b>Account</b>	string	Account information, Bankgiro number or customer number
<b>Category</b>	string	
<b>FileSummaryRowType</b>	string	Row type, "BGNumber" or "CustomerNumber"
<b>Count</b>	int	Row number
<b>AmountInfo</b>	Currency	The currency

## Currency

Property	Type	Description
<b>CurrencyCode</b>	string	Currency code
<b>Value</b>	decimal	Amount

### 3.11 GetResultFiles

The GetUploadedFiles operation returns info about all files which the user has user rights to download.

### 3.11.1 GetResultFiles request

The request does not contain any other input parameters than the ones in the request context.

### 3.11.2 GetResultFiles response

Property	Type	Description
<b>Files</b>	FileInfoResult[]	Array of result files

FileInfoResult

Property	Type	Description
<b>FileId</b>	long	The id of the file
<b>CustomerNumber</b>	string	The customer number for the customer who earlier uploaded the file.
<b>Product</b>	Product	The product type of the file.
<b>StatusCode</b>	StatusCode	File status
<b>DeliveryDateTime</b>	DateTime	Time when file was uploaded.
<b>IsDownloadable</b>	bool	IsDownloadable is set to true if the file can be downloaded.

The Product class is described under GetUploadedFiles.

## 3.12 DeleteFile

The DeleteFile operation deletes an uploaded file.

### 3.12.1 DeleteFile request

Property	Type	Description
<b>FileId</b>	long	The id of the file to delete.

### 3.12.2 DeleteFile response

The response does not contain any other output parameters than the ones in the response context.

## 3.13 GetFile

Gets the file data of an uploaded file.

### 3.13.1 GetFile request

Property	Type	Description
<b>FileId</b>	long	The id of the file to delete.

### 3.13.2 GetFile response

Property	Type	Description
<b>DownloadedFile</b>	DownloadedFile	The downloaded file.

## DownloadedFile

<b>Property</b>	<b>Type</b>	<b>Description</b>
<b>MimeType</b>	string	The mime type of the file. For example "text/plain" for a text file.
<b>FileContentBase64</b>	byte[]	The file content as byte-array of the base64 encoded file content.