
StaffBank Authentication Service Reference

Table of Contents

StaffBank Authentication Service..... 1

 StaffBank Authentication Service..... 2

 NHSP StaffBank Authentication Service..... 6

Overview

Sources

Name	Description
StaffBank Authentication Service	
NHSP StaffBank Authentication Service	

StaffBank Authentication Service Web Service

See Also

[Methods](#)

Methods: StaffBank Authentication Service

Methods

Name	Description
AuthenticateCaller	Method to authenticate the caller.
CheckAuthenticatedUserAuthorisation	Method to check user permissions for list of methods

Method: AuthenticateCaller

Description

Method to authenticate the caller.

Parameters

Name	Direction	Description
req	Input	AuthenticateCallerRequest

Returns

AuthenticateCallerResponse

Remarks

A blank ErrorDescription in the response indicates that the request has been successfully processed.

Only ErrorDescriptions are give below. Please check the user guide for corresponding ErrorCode.

The user name and password supplied to the caller are provided on the request. If the caller is authenticated then a user token is passed back in the response. This user token is an encrypted string that identifies the caller and also has a time based expiry on it. This user token needs to be passed back on all other requests and the request will be processed only if the caller has permissions to that method and if the token has not yet expired.

General Errors

- **Invalid Request Id.**

The request id passed on the request is either missing or less than 1.

- **System Error...**

A system error has occured when processing this request. The error message along with the stack trace will be passed along with this error.

Specific Errors

- **Unable to Authenticate Caller.**

The user name / password combination passed on the request are not valid.

Method: CheckAuthenticatedUserAuthorisation

Description

Method to check user permissions for list of methods

Parameters

Name	Direction	Description
req	Input	CheckAuthenticatedUserAuthorisationRequest

Returns

CheckAuthenticatedUserAuthorisationResponse

Remarks

A blank ErrorDescription in the response indicates that the request has been successfully processed.

Only ErrorDescriptions are give below. Please check the user guide for corresponding ErrorCode.

General Errors

- **Invalid Request Id.**

The request id passed on the request is either missing or less than 1.

- **System Error...**

A system error has occured when processing this request. The error message along with the stack trace will be passed along with this error.

Specific Errors

- **Invalid MethodID.**

The method id(s) passed on the request are not valid.

- **Invalid MethodName.**

The method name(s) passed on the request are not valid.

- **MethodID doesn't belong to this MethodName.**

The method id and name passed on the request are not matching.

- **Either MethodID or MethodName have to be specified.**

The method id and name passed on the request are not matching.

NHSP StaffBank Authentication Service XML Schema

See Also

[Complex Types](#)

Complex Types: NHSP StaffBank Authentication Service

Complex Types

Name	Description
ArrayOfMethod	Array of Methods.
AuthenticateCallerRequest	This is the input parameter to the AuthenticateCaller method.
AuthenticateCallerResponse	This is the return type the AuthenticateCaller method.
CheckAuthenticatedUserAuthorisationRequest	This is the input parameter to the CheckAuthenticatedUserAuthorisation method.
CheckAuthenticatedUserAuthorisationResponse	
Method	Method details
StaffBankInterfaceCallerAuthenticatedRequest	Derives from the StaffBankInterfaceRequest and allows for a user token to be passed authenticating the caller.
StaffBankInterfaceRequest	This is the base class for all requests
StaffBankInterfaceResponse	This is the base class for all responses

Complex Type: ArrayOfMethod

Description

Array of Methods.

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
Method	Method	0..*	Returns 0 or more methods

Definition

```
<xs:complexType name="ArrayOfMethod">  
  <xs:sequence>  
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Method" nillable="true" type="tns:Method"/>  
  </xs:sequence>  
</xs:complexType>
```

Complex Type: AuthenticateCallerRequest

Description

This is the input parameter to the AuthenticateCaller method.

Derived By

Extending [StaffBankInterfaceRequest](#)

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
RequestId	int	1..1	An identifier (typically an integer) that is used to match the request and response. Since the responses are synchronous this is mainly used for logging and debugging purposes.
Password	string	1..1	Password of the caller
UserName	string	1..1	Username of the caller

Definition

```
<xs:complexType name="AuthenticateCallerRequest">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:StaffBankInterfaceRequest">
      <xs:sequence>
        <xs:element name="Password" nillable="true" type="xs:string"/>
        <xs:element name="UserName" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: AuthenticateCallerResponse

Description

This is the return type the AuthenticateCaller method.

Derived By

Extending [StaffBankInterfaceResponse](#)

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ErrorCode	int	1..1	A 0 value for ErrorCode in the response indicates that the request has been successfully processed.
ErrorDescription	string	1..1	A blank value for ErrorDescription in the response indicates that the request has been successfully processed.
ResponseId	int	1..1	This is the same value that was passed on the RequestId of the request.
CallerToken	string	0..1	This is the caller token that needs to be passed along with all other calls to the StaffBank Interface.
ExpiresOn	dateTime	0..1	The time at which this caller token expires

Definition

```
<xs:complexType name="AuthenticateCallerResponse">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:StaffBankInterfaceResponse">
      <xs:sequence>
        <xs:element minOccurs="0" name="CallerToken" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="ExpiresOn" type="xs:dateTime"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: CheckAuthenticatedUserAuthorisationRequest

Description

This is the input parameter to the CheckAuthenticatedUserAuthorisation method.

Derived By

Extending [StaffBankInterfaceCallerAuthenticatedRequest](#)

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
RequestId	int	1..1	An identifier (typically an integer) that is used to match the request and response. Since the responses are synchronous this is mainly used for logging and debugging purposes.
CallerToken	string	1..1	Encrypted Token identifying the caller which is returned by the AuthenticateCaller method
Methods	ArrayOfMethod	0..1	Array of Method

Definition

```
<xs:complexType name="CheckAuthenticatedUserAuthorisationRequest">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:StaffBankInterfaceCallerAuthenticatedRequest">
      <xs:sequence>
        <xs:element minOccurs="0" name="Methods" nillable="true" type="tns:ArrayOfMethod"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: CheckAuthenticatedUserAuthorisationResponse

Derived By

Extending [StaffBankInterfaceResponse](#)

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
 SEQUENCE		1..1	
ErrorCode	int	1..1	A 0 value for ErrorCode in the response indicates that the request has been successfully processed.
ErrorDescription	string	1..1	A blank value for ErrorDescription in the response indicates that the request has been successfully processed.
Responseld	int	1..1	This is the same value that was passed on the RequestId of the request.
Authorised	boolean	1..1	Indicates whether the user has permission for all the methods
ThirdPartySystem	string	1..1	Third party system name
Username	string	1..1	Username of the caller

Definition

```
<xs:complexType name="CheckAuthenticatedUserAuthorisationResponse">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:StaffBankInterfaceResponse">
      <xs:sequence>
        <xs:element name="Authorised" type="xs:boolean"/>
        <xs:element name="ThirdPartySystem" nillable="true" type="xs:string"/>
        <xs:element name="Username" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: Method

Description

Method details

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
MethodId	int	0..1	Id of the method
MethodName	string	0..1	Name of the method

Definition

```
<xs:complexType name="Method">
  <xs:sequence>
    <xs:element minOccurs="0" name="MethodId" type="xs:int"/>
    <xs:element minOccurs="0" name="MethodName" nillable="true" type="xs:string"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type: StaffBankInterfaceCallerAuthenticatedRequest

Description

Derives from the StaffBankInterfaceRequest and allows for a user token to be passed authenticating the caller.

Derived By

Extending [StaffBankInterfaceRequest](#)

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
RequestId	int	1..1	An identifier (typically an integer) that is used to match the request and response. Since the responses are synchronous this is mainly used for logging and debugging purposes.
CallerToken	string	1..1	Encrypted Token identifying the caller which is returned by the AuthenticateCaller method

Referenced By

Name	Type
CheckAuthenticatedUserAuthorisationRequest	Complex Type

Definition

```
<xs:complexType name="StaffBankInterfaceCallerAuthenticatedRequest">
  <xs:complexContent mixed="false">
    <xs:extension base="tns:StaffBankInterfaceRequest">
      <xs:sequence>
        <xs:element name="CallerToken" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type: StaffBankInterfaceRequest

Description

This is the base class for all requests

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
RequestId	int	1..1	An identifier (typically an integer) that is used to match the request and response. Since the responses are synchronous this is mainly used for logging and debugging purposes.

Referenced By

Name	Type
AuthenticateCallerRequest	Complex Type
StaffBankInterfaceCallerAuthenticatedRequest	Complex Type

Definition

```
<xs:complexType name="StaffBankInterfaceRequest">
  <xs:sequence>
    <xs:element name="RequestId" type="xs:int"/>
  </xs:sequence>
</xs:complexType>
```

Complex Type: StaffBankInterfaceResponse

Description

This is the base class for all responses

Derived By

Restricting anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
SEQUENCE		1..1	
ErrorCode	int	1..1	A 0 value for ErrorCode in the response indicates that the request has been successfully processed.
ErrorDescription	string	1..1	A blank value for ErrorDescription in the response indicates that the request has been successfully processed.
ResponseId	int	1..1	This is the same value that was passed on the RequestId of the request.

Referenced By

Name	Type
AuthenticateCallerResponse	Complex Type
CheckAuthenticatedUserAuthorisationResponse	Complex Type

Definition

```
<xs:complexType name="StaffBankInterfaceResponse">
  <xs:sequence>
    <xs:element name="ErrorCode" type="xs:int"/>
    <xs:element name="ErrorDescription" nillable="true" type="xs:string"/>
    <xs:element name="ResponseId" type="xs:int"/>
  </xs:sequence>
</xs:complexType>
```

Index

A

ArrayOfMethod	8
AuthenticateCaller	4
AuthenticateCallerRequest	9
AuthenticateCallerResponse	10

C

CheckAuthenticatedUserAuthori sation	5
CheckAuthenticatedUserAuthori sationRequest	11
CheckAuthenticatedUserAuthori sationResponse	12
Complex Types	7

M

Method	13
Methods	3

N

NHSP StaffBank Authentication Service	6
--	---

S

StaffBank Authentication Service	1, 2
StaffBankInterfaceCallerAuthenti catedRequest	14
StaffBankInterfaceRequest	15
StaffBankInterfaceResponse	16