

How to Generate a DBXL Key

📅 12/19/2018

Purpose

This document details how you can generate a DBXL key so you can use Qdabra DBXL WithUserKey Services. Please take note of the following for key generation:

- DBXL Admins can create keys for other users
- Users can create their own keys
- Keys are not stored in the DBXL DB – so users must keep track of their keys
- If you lose your key, you can create a new one

Pre-requisites

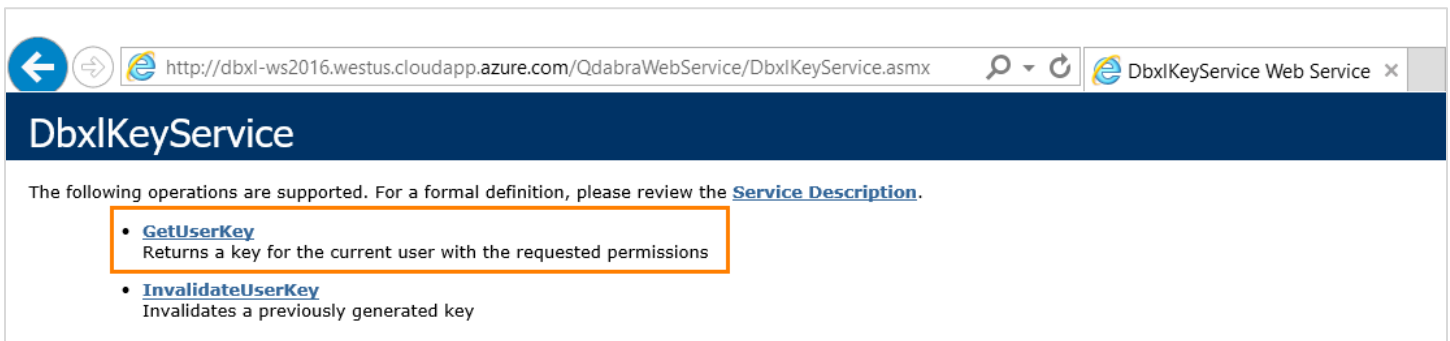
DBXL should already be installed in your server.

Steps

The **DbxlKeyService's GetUserKey** method is used to create user keys. This can be performed (1) on the server where DBXL is installed or (2) you can create an InfoPath form for key creation.

Option 1: On the Server

1. Go to <http://YourDBXLServer/QdabraWebService/DbxlKeyService.asmx>
2. Click the **GetUserKey** operation.

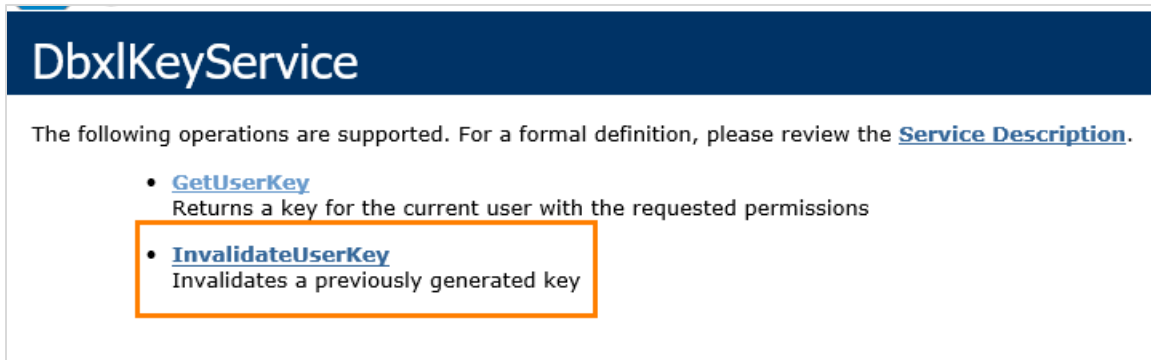


The following operations are supported. For a formal definition, please review the [Service Description](#).

- **GetUserKey**
Returns a key for the current user with the requested permissions
- **InvalidateUserKey**
Invalidates a previously generated key

3. If you are creating a key for yourself, and do not currently have a key, simply click **Invoke**, and your key will be returned in the string node in the response:

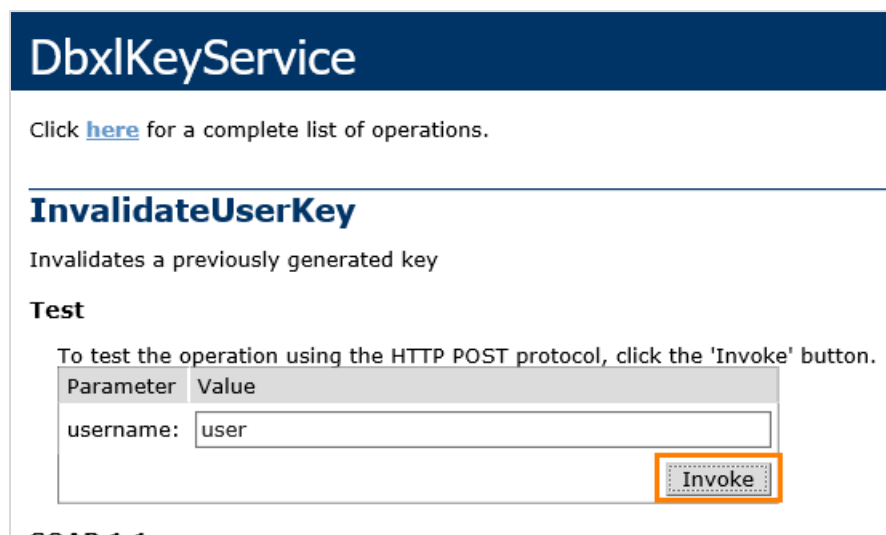
- There is also a method to invalidate a user key, if you want to remove the user's ability to access data with her key:



DbxlKeyService

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DbxlKeyService

Click [here](#) for a complete list of operations.

InvalidateUserKey

Invalidates a previously generated key

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

| Parameter | Value |
|-----------|-------|
| username: | user |

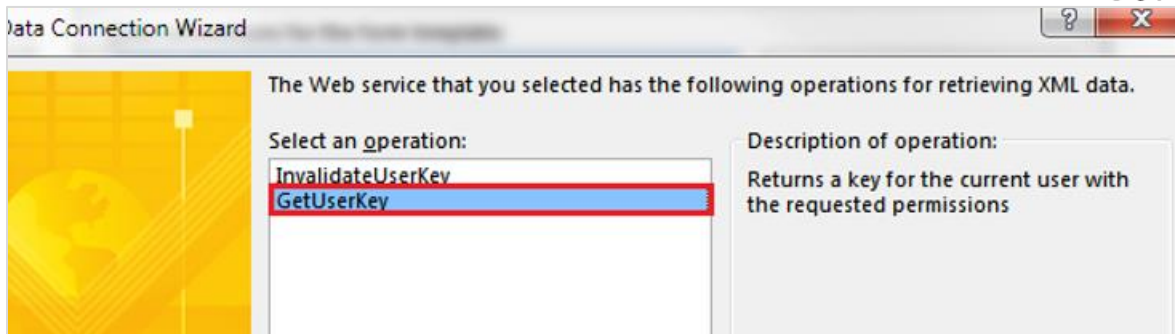
Invoke

- Upon clicking **Invoke**, you should receive a success message:

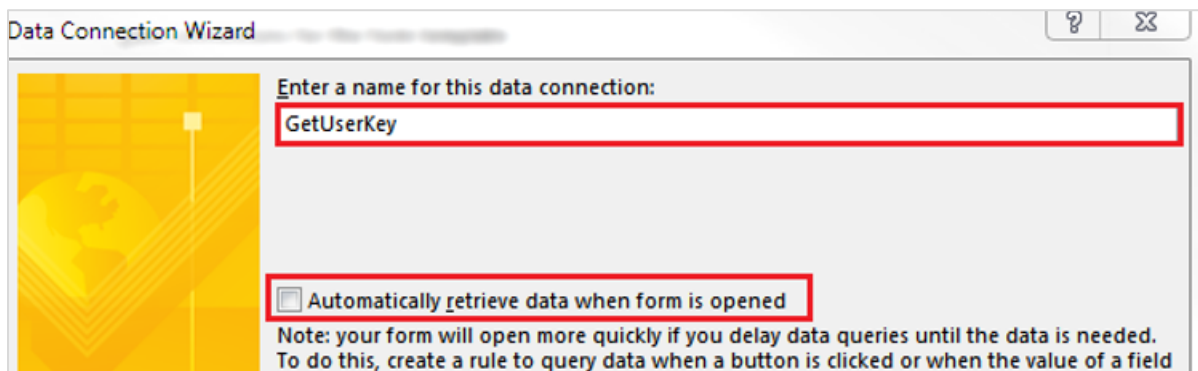
```
<?xml version="1.0" encoding="UTF-8"?>
- <StatusInfo xmlns="http://qdabra.com/databaseservice" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <Success xmlns="http://qdabra.com/webservices/">true</Success>
  <Errors xmlns="http://qdabra.com/webservices/"></Errors>
</StatusInfo>
```

Option 2: In InfoPath

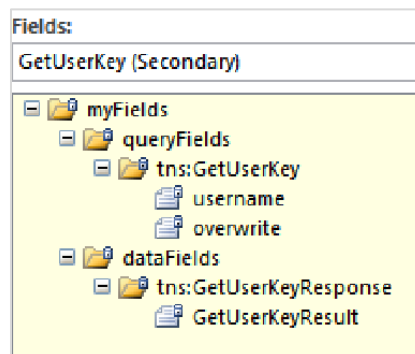
- Open a blank InfoPath form.
- Add a receive data connection to a SOAP Web Service with the URL:
<http://YourDBXLServer/QdabraWebService/DbxlKeyService.asmx>
- Select the **GetUserKey** Operation.



4. Deselect the **Automatically retrieve data when form is opened** checkbox.




5. The schema will have query fields for the **username** and **overwrite** parameter. The key will be returned to the **GetUserKeyResult** node in the data fields.



6. You can add controls to the form for entering username and overwrite and add a button that will execute the query.
7. You may now run the form on preview and fill out the fields with the appropriate values, similar to the steps we did in **Option 1: On the Server**.

Get User Key

Username:

GetUserKey (GetUserKey) 

Overwrite:

Section

Get User Key Result: