

NetBackup Self Service

Alternative file restore customization – NSS Version 8.0

Contents

Contents.....	2
1.0 Overview	4
2.0 Deployment.....	5
2.1 Deploy files	5
2.2 Import request type	5
2.3 Update Integration Settings.....	6
3.0 Raising a File Restore Request	6

Version	Date	By	Description
1	02/12/2016	BR	
2	24/05/2016	BR	Updated doc for NSS version 8

1.0 Overview





When restoring files/folders in NSS, users have an option to restore to an alternative location. If selected, NSS will create a new sub-directory in the original directory on the original client where the files/folders will be restored.

However, some customers would like the option to restore the file to an alternative path on the original client or even an alternative client/host.

This customization provides extended restore functionality.

2.0 Deployment

The deployment files consist of three PowerShell scripts to be copied to the NSS Adapter web server and an NSS Request Type to import. The request type contains additional fields and references the new scripts.

 FlexiField	File folder
 FulfillmentHook	File folder
 UIFieldChanged	File folder
 RequestType_DBRESTALT.xml	XML File

2.1 Deploy files

Extract the zip and copy the directories contained to the following location on the NetBackup Adapter Web Server:

...\NetBackup Self Service Adapter 8.0\NetBackupAdapterServices\PowerShellScripts

The unzipped directories should merge their contents with the directories contained.

...\FlexiField\DB-Get-MachinesForFileRestore.ps1

...\FulfillmentHook\DB-Restore-FileAlternateLocation.ps1

...\UIFieldChanged\DB-RestoreFileAlternateLocation.ps1

2.2 Import request type

Every form in NSS is part of a 'Request Type'. Request Types can be exported and imported as XML files. The RequestType_DBRESTALT.xml file needs to be imported.

1. Log in to NSS as an admin (supervisor) user.
2. Navigate to Admin -> Request & Approval -> Request Type.
3. Deactivate the 'Restore File' Request Type that has the code, 'DBRESTFILE' by clicking the 'Deactivate' option in the Request Type list:

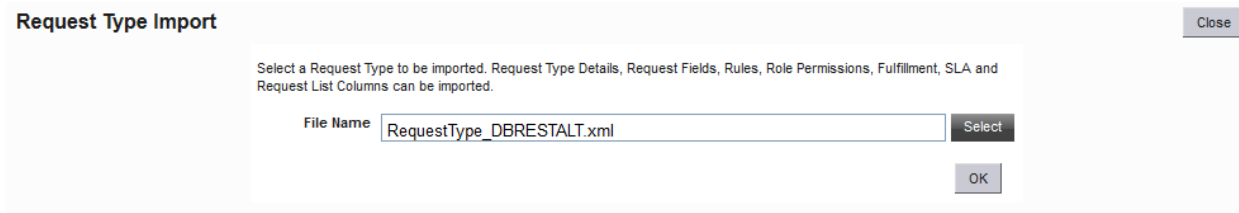
Restore File	Restore a file from a previously backed up computer	DBRESTFILE	(any)	Mixed Inventory	Deactivate
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4. Click the Import button at the top of the page:

Request Type Maintenance

Import New Close

5. Browse for the RequestType_DBRESTALT.xml file:



Request Type Import [Close]

Select a Request Type to be imported. Request Type Details, Request Fields, Rules, Role Permissions, Fulfillment, SLA and Request List Columns can be imported.

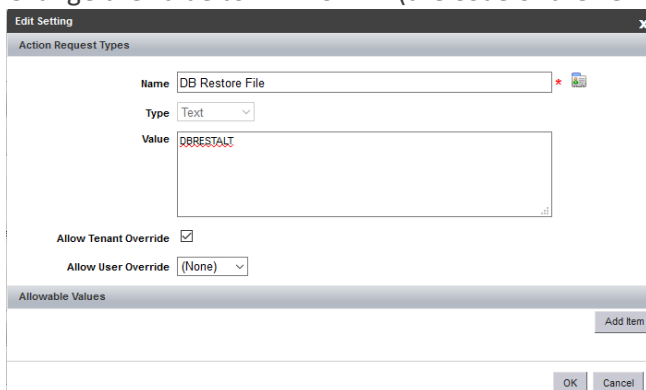
File Name: [Select] [OK]

6. Click OK to import the Request Type.

2.3 Update Integration Settings

In order for NSS to use this new Request Type as the default File Restore request, its Request Type Code must be entered in Integration Settings, replacing the standard Request Type Code.

1. Log in to NSS as an admin (supervisor) user.
2. Navigate to Admin -> Settings -> Integration Settings.
3. In the 'Action Request Types' section, select the DB Restore File setting.
4. Change the value to DBRESTALT (the Code of the new Request Type):



Edit Setting [X]

Action Request Types

Name: *

Type:

Value:

Allow Tenant Override: ☒

Allow User Override:

Allowable Values: [Add Item]

[OK] [Cancel]

5. Click OK to save the setting.

3.0 Raising a File Restore Request

Now, when a file restore is selected within NSS, the new Request Type will be used. The form looks much the same as the standard form and leaving 'Restore to Original Location' as 'Yes', the fulfilment will be the same as standard form, overwriting the original file. Selecting 'No' will make additional fields visible as shown in the screenshot below: 'Restore to alternative path' and 'Restore to alternative host'. These fields (when 'Yes' is selected for them) allow alternative path to be entered and an alternative host to be selected.


Various combinations of these radio buttons can be selected.

Restore a file or folder

Restoring from this computer

Name
EEESRV02 - UNIX - Small - 16GB -4TB - CentOS

Select backup

9/6/2016 12:22:26 PM 

? File selection type ☒ Browse ☐ Search

Browse for file or folder ☒ tmp   *

Restore to original location? ☐ Yes ☒ No

Default restore location

/tmp/RestoredFiles-1891/

Restore to alternative path? ☒ Yes ☐ No

This restore requires a UNIX-style path - an example has been added below

Alternative path for all restored files/folders

e.g. /tmp/

Restore to alternative host? ☒ Yes ☐ No

Select computer  

Confirm overwrite if exists ☐ *

? Your reference

Restore File

Close

If 'Restore to alternative path' is set to 'Yes', the textbox provided will be used to determine the path. It will restore to the original host if 'Restore to alternative host' is set to 'No'. Overwrite the example given as it includes 'e.g.' at the beginning which is not required and ensure the path entered is in the correct Windows or Unix format.

If 'Restore to alternative host' is set to 'Yes', a field will appear allowing one of the tenant's other computers to be selected for the restore. An appropriate host with NetBackup client installed must be selected for the restore to be successful. If 'Restore to alternative path' is also set to 'Yes', it will use the path from the textbox as the target restore location on the alternative host. Otherwise, it will attempt to restore to the 'Default restore location' on the alternative host.