

Installation Guide

Neptune abapGit Extension SAP Edition

About

This guide contains technical information on how to install Neptune Extension for abapGit in SAP Edition.

Neptune Extension for abapGit is delivered as a normal SAP transport request. A co-file and a data-file. The SAP transport request can be imported and installed into a system where abapGit and Neptune DXP - SAP Edition is already installed. You will need to install only one SAP transport request.

Full documentation about this extension can be found [here](#).

Prerequisites

For this extension to work, the developer version of abapGit is required. Please make sure you follow these prerequisites:

- DXP 23 SAP Edition Patch 2 or DXP 22 Patch 11 SAP Edition.
- Latest abapGit Developer Version.
- [abapGit Prerequisites](#).

Installation

- Download and unpack the zip file.
- Add the transport to the SAP transport system:
Files: K90xxxx.XXX & R90xxxx.XXX
- Find the path to the SAP transport directory. Use transaction AL11. In most systems the transport directory is: /usr/sap/trans.

SAP Directories	
✓	<input type="text"/>
Directory Parameter	Directory
DIR_SOURCE	/usr/sap/N4D/SYS/src
DIR_TEMP	/tmp
DIR_TRANS	/usr/sap/trans

- Upload the NADK90xxxx transport files to the SAP transport directory. If the component EA-APPL is installed in your system, upload can be done with transaction CG3Z.

Co-file:

N4D(1)/100 Upload File: Parameters

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Source file on front end

C:\...\K90xxxx.NAD

Target file on application server

/usr/sap/trans/cofiles/K90xxxx.NAD

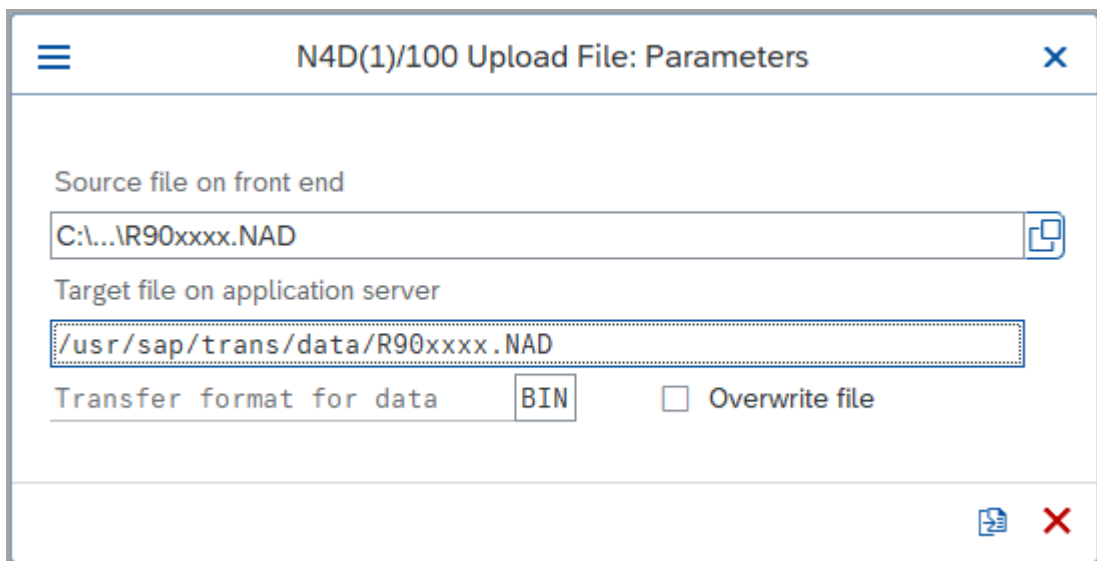
Transfer format for data

BIN

☐ Overwrite file

×

Data-file:



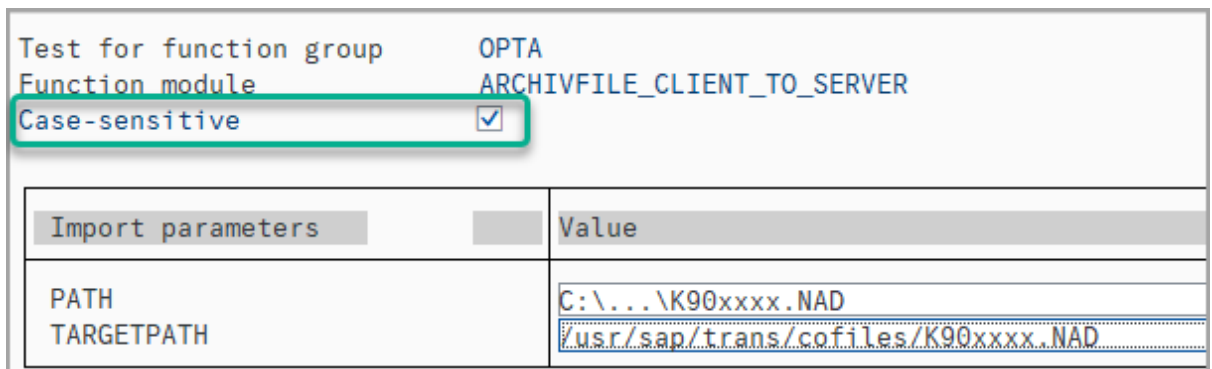
N4D(1)/100 Upload File: Parameters

Source file on front end
C:\...\R90xxxx.NAD

Target file on application server
/usr/sap/trans/data/R90xxxx.NAD

Transfer format for data: BIN ☐ Overwrite file

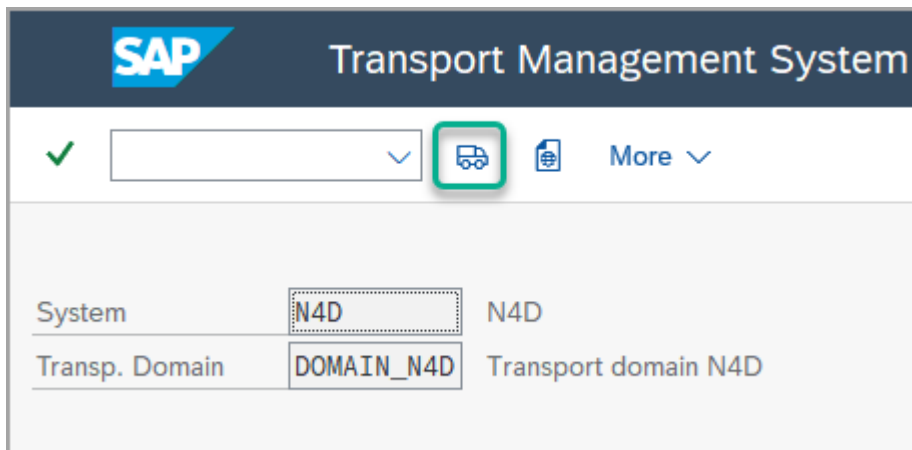
- Otherwise, the files can be uploaded by running function module ARCHIVFILE_CLIENT_TO_SERVER in transaction SE37.



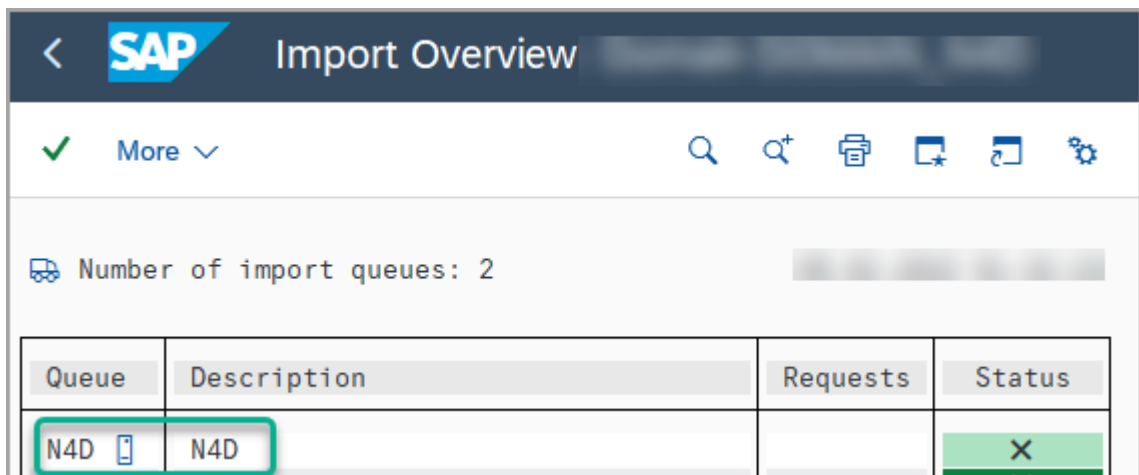
Test for function group: OPTA
Function module: ARCHIVFILE_CLIENT_TO_SERVER
Case-sensitive: ☒

Import parameters	Value
PATH	C:\...\K90xxxx.NAD
TARGETPATH	/usr/sap/trans/cofiles/K90xxxx.NAD

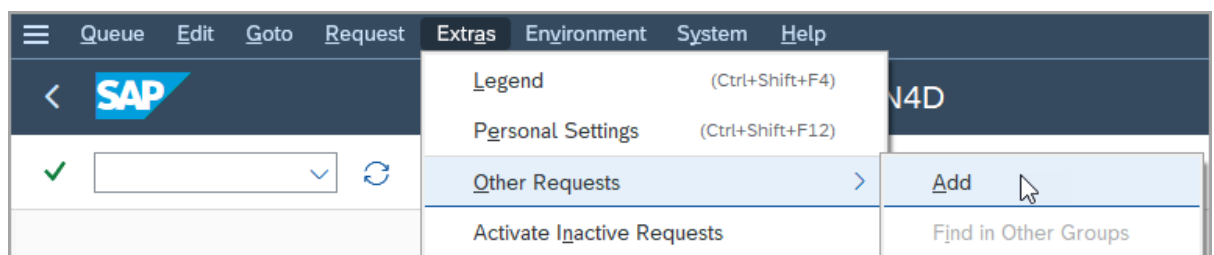
- The files may also be moved on OS level.
- Start transaction STMS and open the import que to your system.



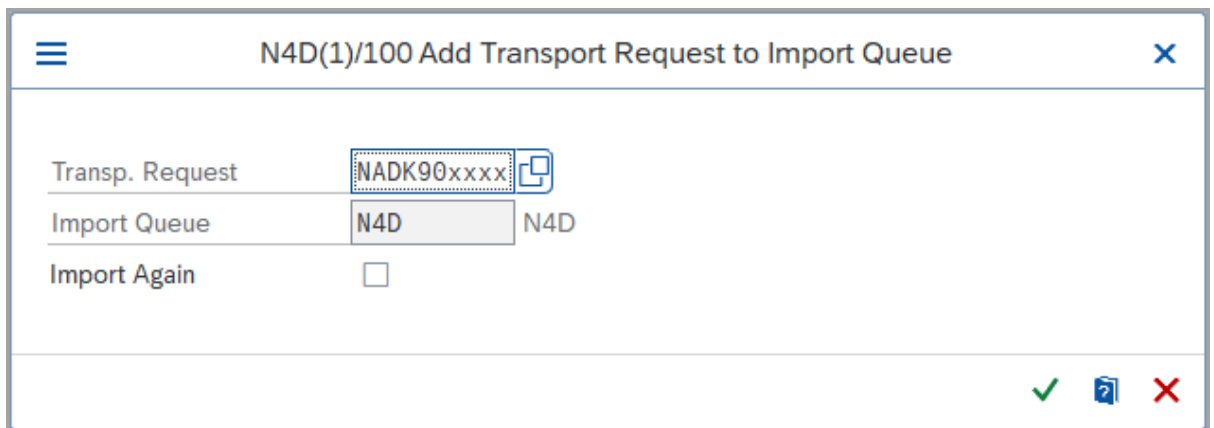
- Double-click your target system.



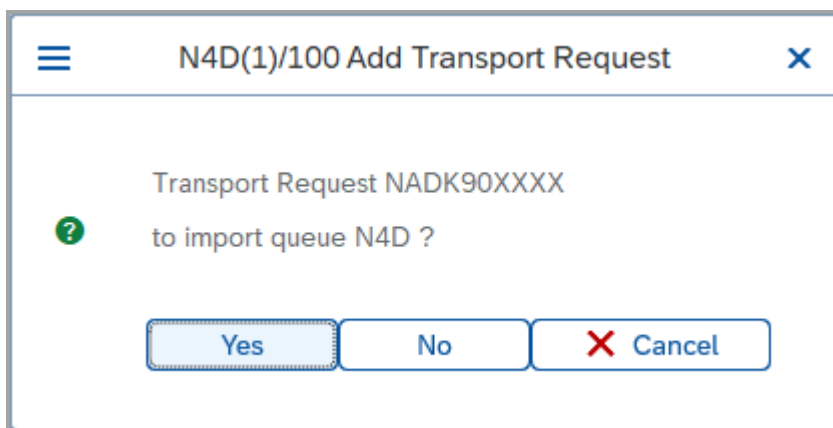
- Go to Extras → Other Requests → Add



- Add transport request NADK90xxxx to the import queue.



The dialog box is titled "N4D(1)/100 Add Transport Request to Import Queue". It contains three input fields: "Transp. Request" with the value "NADK90xxxx" and a copy icon, "Import Queue" with the value "N4D" and a dropdown arrow, and "Import Again" with an unchecked checkbox. At the bottom right, there are three icons: a green checkmark, a blue question mark, and a red X.



The dialog box is titled "N4D(1)/100 Add Transport Request". It displays the text "Transport Request NADK90XXXX to import queue N4D ?" with a green question mark icon to the left. At the bottom, there are three buttons: "Yes", "No", and "Cancel" (with a red X icon).

- Locate the transport in the STMS transport list. Mark NADK90xxxx. Import the transport.
- You need to specify the Target Client (the Client where you are running Neptune).
- Please also tick the checkbox "Ignore Predecessor Relations" in the Options tab. (This checkbox had the description "Ignore Invalid Component Version" in previous versions of SAP.)

N21(1)/100 Import Transport Request

Transport Request

NADK907786

Neptune-DXP-21.10.0006

Target System

N21

System N21

Target Client

100

Targ.Client=Source Client

Date

Execution

Options

Import Options

☒ Leave Transport Request in Queue for Later Import

☐ Import Transport Request Again

☐ Overwrite Originals

☐ Overwrite Objects in Unconfirmed Repairs



☐ Ignore Non-Permitted Transport Type

☐ Ignore Non-Permitted Table Class

☒ Ignore Predecessor Relations

✓

✗

- The import should start and while it's running you can see this icon as the status 
- You can also monitor the progress of the import by selecting the row and clicking on the Import Monitor 
- If the import has completed successfully, you should see a similar screen in the Import Monitor.

✓	📁	N21: System N21
	📁	Scheduling Job
✓	📁	Execution
✓	📁	07.02.2022 12:43:28 ✓ IMPORT NADK907786 N21 client100 U012
	📄	Last activity: 07.02.2022 13:05:56
	📄	Target client = Source Client
	📄	Maximum Return Code: 0004 - tp ended
	📄	A tool used by tp produced warnings

- Please ignore any warnings for the import (code 4/6). If you get an error (code 8/12) please register a ticket at <http://support.neptune-software.com>

Post-installation activities

If this is the first time implementing abapGit user exits, you will need to create a class named ZCL_ABAPGIT_USER_EXIT with interface ZIF_ABAPGIT_EXIT, then it is necessary to implement the code shown below in the mentioned methods. The full user exit guide for abapGit can be found [here](#).

If you already have the abapGit user exit class implemented, please add and adjust the code shown below to the mentioned methods.

CHANGE_SUPPORTED_OBJECT_TYPES:

```
// Change supported object types to recognize Neptune DXP Artifacts
method zif_abapgit_exit~change_supported_object_types.

    data: lt_neptune_types type /neptune/cl_abapgit_user_exit=>ty_object_types_tt,
          ls_neptune_types like line of lt_neptune_types.

    data ls_types like line of ct_types.

    lt_neptune_types = /neptune/cl_abapgit_user_exit=>change_supported_object_types( ).
    loop at lt_neptune_types into ls_neptune_types.
        ls_types = ls_neptune_types.
        append ls_types to ct_types.
    endloop.

endmethod.
```


CHANGE_TADIR:

NOTE:

Parameter *iv_ignore_subpackages* is available from Neptune SAP Edition DXP23.10.0003 and abapGit V1.127

```
// Include Neptune DXP Artifacts in the internal tadir table
method zif_abapgit_exit~change_tadir.

  data: lt_neptune_tadir type /neptune/cl_abapgit_user_exit=>ty_tadir_tt,
        ls_neptune_tadir like line of lt_neptune_tadir.

  data ls_tadir like line of ct_tadir.

  lt_neptune_tadir = /neptune/cl_abapgit_user_exit=>change_tadir(
                        iv_package           = iv_package
                        iv_ignore_subpackages = iv_ignore_subpackages).
  loop at lt_neptune_tadir into ls_neptune_tadir.
    move-corresponding ls_neptune_tadir to ls_tadir.
    append ls_tadir to ct_tadir.
  endloop.

endmethod.
```