

## CREATION OF SYSTEM ALIAS (FES)

An SAP system alias is needed as the logical name of a system connection, that is, you specify where the SAP system alias should point to. Depending on the SAP Gateway content scenario and your system landscape you thus set up the system alias.

The system alias is the result of the routing for an inbound request on SAP Gateway. It can be a remote or a local system. If that system alias is flagged as Local GW (Local Gateway) instance, it means that the system that is responsible for processing (managing and storing) the data of an inbound request is the local SAP Gateway instance itself

The image displays four screenshots from the SAP SPRO (Customizing) menu, illustrating the steps to create a system alias.

- Top Left:** SPRO path: SAP Customizing Implementation > SAP NetWeaver > SAP Gateway Service Environment > /UI2/GW\_SYS\_ALIAS. The transaction code **FES** is shown.
- Top Right:** SPRO path: SAP Customizing Implementation > SAP NetWeaver > SAP Gateway Service Environment > /IWFND/ROUTING. The transaction code **FES** is shown.
- Bottom Left:** Task List for **SAP\_GATEWAY\_ADD\_SYSTEM** (SAP Gateway - Add Backend System). The task list includes steps for authorization, creating customizing requests, setting profile parameters, and creating aliases.
- Bottom Right:** Task List for **SAP\_GATEWAY\_ADD\_SYSTEM\_ALIAS** (SAP Gateway - Add Backend System Alias). The task list includes steps for creating and deleting customizing requests and workbench requests.

You have multiple options to maintain system aliases in an SAP system:

- In the customizing (transaction SPRO), choose SAP NetWeaver → UI Technologies → SAP Fiori → Initial Setup → Connection Settings (Front-End Server to ABAP Back-End Server) → Define SAP System Alias
- Start transaction **/UI2/GW\_SYS\_ALIAS**.
- In the customizing (transaction SPRO), choose SAP NetWeaver → SAP Gateway → OData Channel → Configuration → Connection Settings → SAP Gateway to SAP System → Manage SAP System Aliases

Regardless of which tool you choose, system aliases are stored in view **/IWFND/V\_DFSYAL**

Change View "Manage SAP System Aliases": Overview

New Entries

SAP System Alias	Description	Local GW	For Local App	OData on Back...	RFC Destination	Software Version	System ID	Client	WS Provider System
IWF_UNIT_TEST_1	Unit Test System Alias - Do not modify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GRC12	DEFAULT			PS_U3D_000
LOCAL	Local System Alias	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GRC12HTTP	DEFAULT			
S4CLNT100	System Alias for S4HANA System	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	S4CLNT100	DEFAULT	S4H	100	
S4CLNT100_HTTPS	System Alias for S4HANA System	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	S4CLNT100_HTTPS	DEFAULT	S4H	100	
S4CLNT100_PGW	System Alias for S4HANA System - PGW	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	S4CLNT100_RFC	/IWPBW/BWF	S4H	100	
S4CLNT100_RFC	System Alias for S4HANA System	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	S4CLNT100_RFC	DEFAULT	S4H	100	

For the SAP Fiori system landscape, you need one system alias pointing to the FES with the indicator Local GW selected. If you use workflow in a FES, you need an additional system alias for task processing within the workflows used in this FES (name ending with PGW).

For each BES that you want to use, you need at least one system alias with the software version DEFAULT. If you use workflow in a BES, you need an additional system alias for task processing within the workflows used in this BES (name ending with PGW).

- Create \_PGW system alias for the local system for task processing within the workflows used in this FES (name ending with \_PGW).

For the SAP Fiori system landscape, you need one system alias pointing to the FES with the indicator Local GW selected. If you use approvals in a FES, you need an additional system alias for task processing within the workflows used in this FES (name ending with \_PGW).

- PGW (with Software version /IWPBW/BWF)
  - o Specify the RFC connection, System Id and Client
  - o Check mark "For Local Apps" check box
- For each BES that you want to use, you need at least one system alias with the software version DEFAULT. If you use approvals in a BES, you need an additional system alias for task processing within the workflows used in this BES (name ending with \_PGW).

Create **four** system aliases for each Back End System that you want to integrate with your FIORI Front End System

- <SID>CLNT<Client No.> (with software version DEFAULT)

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sp.sapseccontent@gmail.com**

- Specify the RFC connection, System Id and Client
- **<SID>CLNT<Client No.>\_RFC** (with software version DEFAULT)
  - Specify the RFC connection, System Id and Client
- **<SID>CLNT<Client No.>\_HTTPS** (with software version DEFAULT)
  - Specify the RFC connection, System Id and Client
- **\_PGW** (with Software version /IWPGW/BWF)
  - Specify the RFC connection, System Id and Client
  - Check mark “For Local Apps” check box