

# Cloud Benefits™

## Activation of Gateway Service

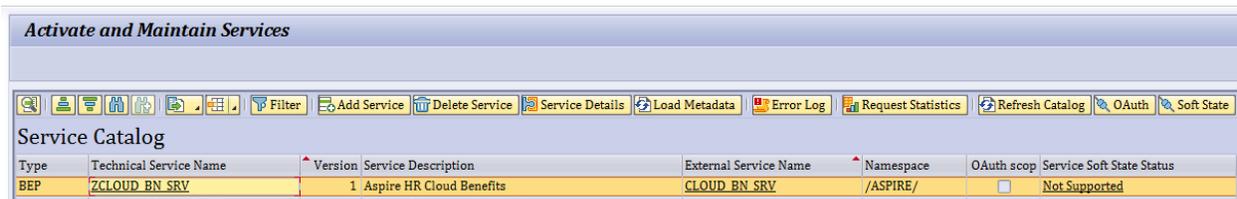
### SAP Documentation

Please refer to the SAP Gateway Foundation documentation under the topic “Activate and Maintain Services” (the reference link below is for NW AS 7.51, please refer to the documentation for your specific release): <https://help.sap.com/viewer/68bf513362174d54b58cddec28794093/7.51.1/en-US/bb2bfe50645c741ae1000000a423f68.html>

### Walkthrough

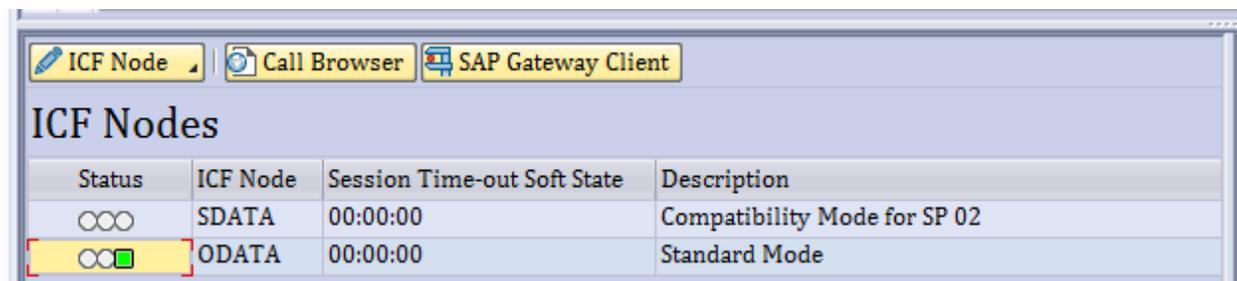
Using transaction `/n/IWFND/MAINT_SERVICE`, verify technical service `ZCLOUD_BN_SRV` and `/ASPIRE/CB_ADMIN_IWFND_SRV` are listed

- For an Embedded Gateway approach, the "Add Service" will be searching LOCAL system
- For a Hub Gateway approach, the "Add Service" will be searching the backend system
- Note: The `/n` is only needed when entering the transaction code in the Command Field portion of SAPGUI, it is included throughout this guide for easy Command Field entry. If adding the tcode to your favorite, the `/n` should be omitted.



Type	Technical Service Name	Version	Service Description	External Service Name	Namespace	OAuth scope	Service Soft State	Status
BEP	ZCLOUD_BN_SRV	1	Aspire HR Cloud Benefits	CLOUD_BN_SRV	/ASPIRE/	<input type="checkbox"/>	Not Supported	
	/IWFND/PP_CONTACT	1	Service Document for CRM Contact	CONTACT	/IWFND/	<input type="checkbox"/>		

Verify there is an ICF node for the ODATA service. You can also activate the node from here:



Status	ICF Node	Session Time-out	Soft State	Description
○○○	SDATA	00:00:00		Compatibility Mode for SP 02
○○■	ODATA	00:00:00		Standard Mode

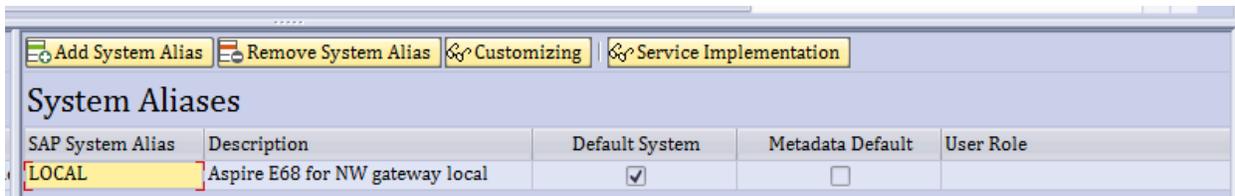
In SICF (oData service will only be on Gateway Hub system if using Hub approach)

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Virtual Hosts / Services	Documentation	Reference Service
<ul style="list-style-type: none"> <li>▼ default_host           <ul style="list-style-type: none"> <li>▼ sap               <ul style="list-style-type: none"> <li>▼ opu                   <ul style="list-style-type: none"> <li>▼ odata                       <ul style="list-style-type: none"> <li>▼ aspire                           <ul style="list-style-type: none"> <li>▼ cloud_bn_srv</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>	VIRTUAL DEFAULT HOST SAP NAMESPACE; SAP IS OBLIGED NOT T... OData for SAP Products Standard Mode Namespace CLOUD_BN_SRV	

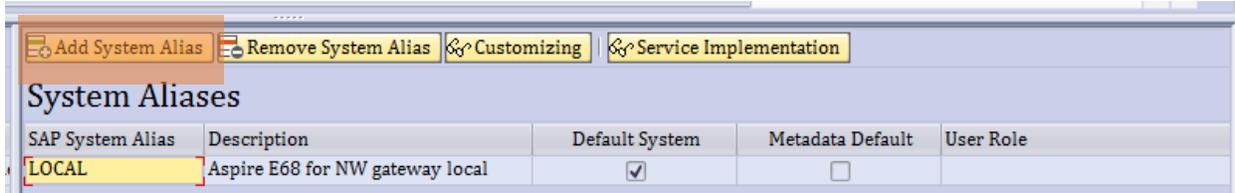
Verify there is a system alias assigned:

- A. **Embedded System:** System Alias is typically LOCAL:



SAP System Alias	Description	Default System	Metadata Default	User Role
LOCAL	Aspire E68 for NW gateway local	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Use the “Add System Alias” button to assign a system alias to the Cloud Benefits Service (ZCLOUD\_BN\_SRV) and the CB Benefits Administration Service (/ASPIRE/CB\_ADMIN\_IWFND\_SRV).



SAP System Alias	Description	Default System	Metadata Default	User Role
LOCAL	Aspire E68 for NW gateway local	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

- Depending your release, a version number may be appended to the service, e.g. /ASPIRE/CB\_ADMIN\_IWFND\_SRV\_0001

Enter or use the dropdown for the specific Service Doc Identifier (Ex: ZCLOUD\_BN\_SRV\_001), assign the desired SAP System Alias field, and check the Default System checkbox. Save and go back to the Maintain Services transaction.

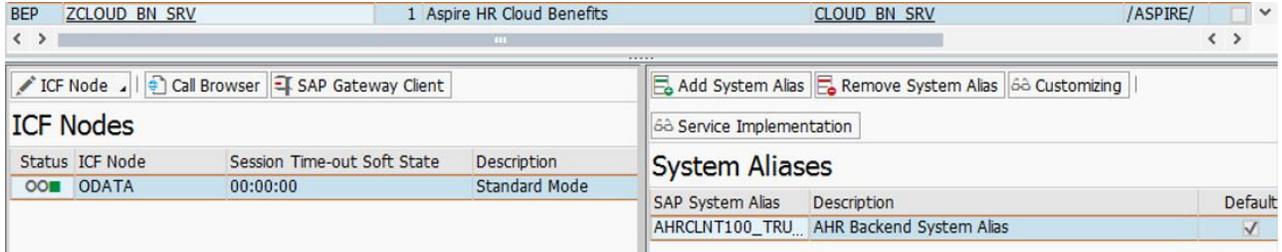
- Assign System Alias will need to be done for each individual service (ZCLOUD\_BN\_SRV, /ASPIRE/CB\_ADMIN, etc). If the changes are non-system specific they can be transported to other systems in the landscape.

*Change View "Assign SAP System Aliases to OData Service": Overview of*

Assign SAP System Aliases to OData Service									
Service Doc. Identifier	User Role	Host Name	SAP System Alias	Default System	Metadata Default	Tech. Svc. Name	Ext. Service Name	Version	User Name
ZCLOUD_BN_SRV_0001			LOCAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ZCLOUD_BN_SRV	CLOUD_BN_SRV	1	

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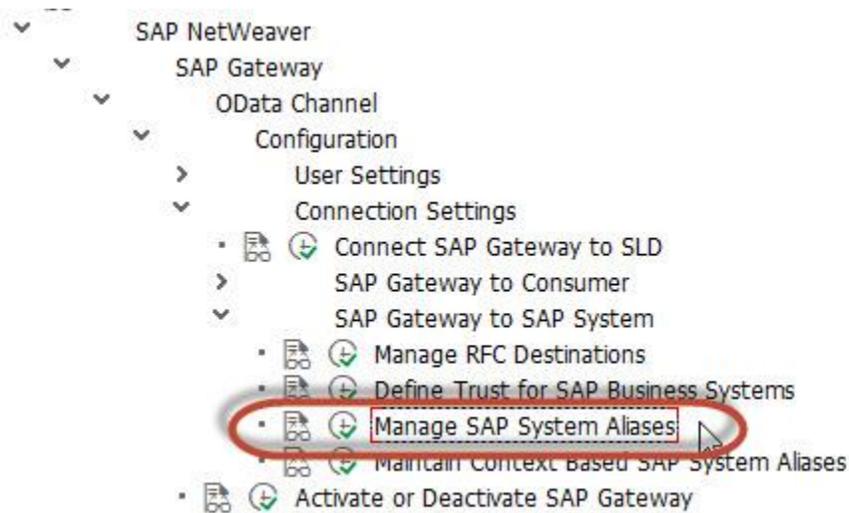
## B. Gateway Hub System; System Alias to backend assigned:



### System Alias Creation:

Add the backend system alias if needed. Customer Basis team should provide the system alias. The Service Doc Identifiers are `ZCLOUD_BN_SRV_0001` and `/ASPIRE/CB_ADMIN_IWFND_SRV_0001`.

In transaction `SPRO`:



Create or Manage SAP System Aliases:

- Embedded System: create a LOCAL system alias as needed
- Hub System: create a SIDCLNT### system alias that points to your ECC or backend data system that the Cloud Benefits application will pull Benefits data from.

# Cloud Benefits™

Change View "Manage SAP System Aliases": Overview

New Entries

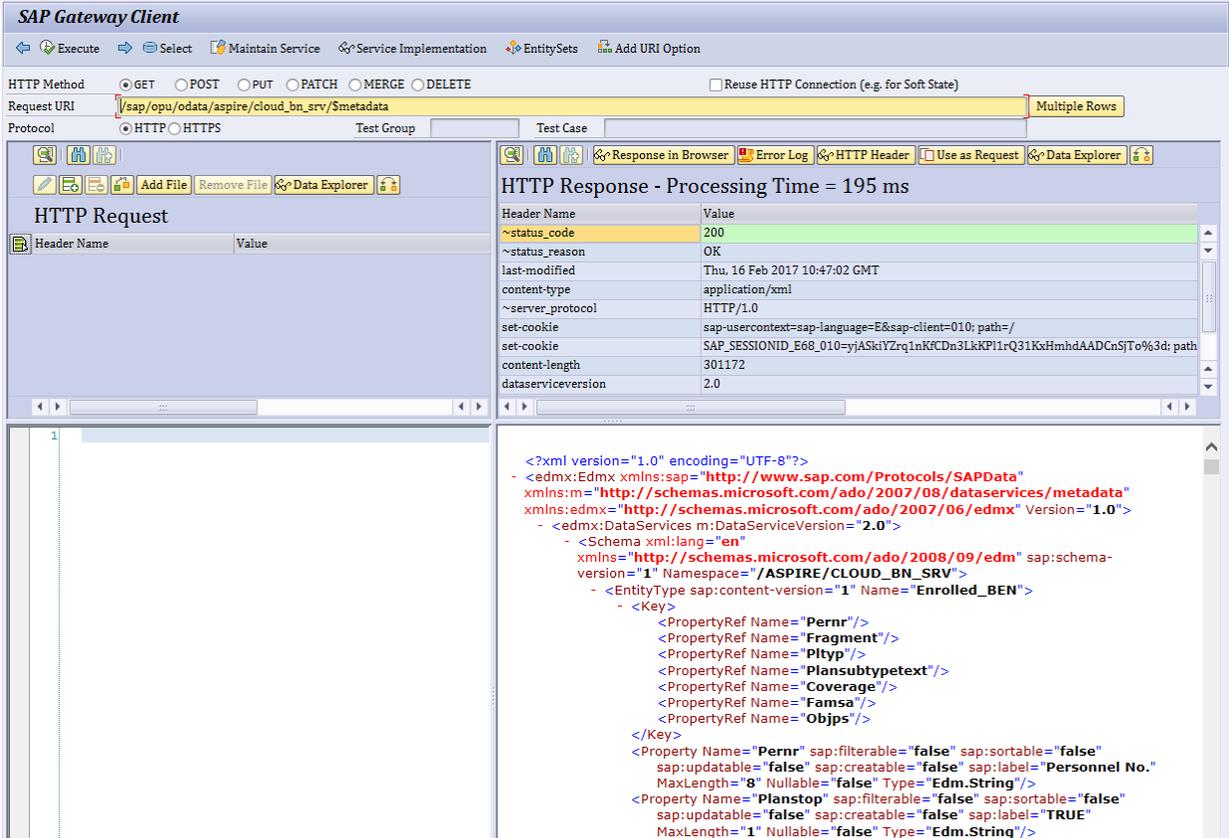
Manage SAP System Aliases									
SAP System Alias	Description	Local GW	For Local App	Use Micro Hub	RFC Destination	Software Version	System ID	Client	WS Provider Syst
AHRLOCAL	HTTPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SAP_ECC_HUMANRESOURCES	DEFAULT	AHR	100	LOCAL
IWF_UNIT_TEST_1	Unit Test System Alias - Do not modify	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	U3D_000	DEFAULT			PS_U3D_000
LOCAL	Local System Alias	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NONE	DEFAULT			

## Testing the Gateway Service:

Once this is done, you can verify the service is registered to SAP Gateway using the Gateway [Test] Client, `/n/IWFND/GW_CLIENT`. The Request URI is typically:

`/sap/opu/odata/aspire/cloud_bn_srv/$metadata`

Pressing "Execute" should load the metadata successfully in the bottom right pane:



**SAP Gateway Client**

Execute Select Maintain Service Service Implementation EntitySets Add URI Option

HTTP Method: GET POST PUT PATCH MERGE DELETE  Reuse HTTP Connection (e.g. for Soft State)

Request URI: `/sap/opu/odata/aspire/cloud_bn_srv/$metadata` Multiple Rows

Protocol: HTTP HTTPS Test Group Test Case

HTTP Request

Header Name	Value
~status_code	200
~status_reason	OK
last-modified	Thu, 16 Feb 2017 10:47:02 GMT
content-type	application/xml
~server_protocol	HTTP/1.0
set-cookie	sap-usercontext=sap-language=E&sap-client=010; path=/ SAP_SESSIONID_E68_010=yjASkiYZrq1nKfCDn3LkKP11rQ31KxHmhdAADcnSjTo%3d;
content-length	301172
dataserviceversion	2.0

HTTP Response - Processing Time = 195 ms

```
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- <edmx:Edmx xmlns:sap="http://www.sap.com/Protocols/SAPData"
  xmlns:m="http://schemas.microsoft.com/ado/2007/08/dataservices/metadata"
  xmlns:edmx="http://schemas.microsoft.com/ado/2007/06/edmx" Version="1.0">
  - <edmx:DataService m:DataServiceVersion="2.0">
    - <Schema xml:lang="en"
      xmlns="http://schemas.microsoft.com/ado/2008/09/edm" sap:schema-
        version="1" Namespace="/ASPIRE/CLOUD_BN_SRV">
      - <EntityType sap:content-version="1" Name="Enrolled_BEN">
        - <Key>
          <PropertyRef Name="Pernr"/>
          <PropertyRef Name="Fragment"/>
          <PropertyRef Name="Pityp"/>
          <PropertyRef Name="Plansubtypetext"/>
          <PropertyRef Name="Coverage"/>
          <PropertyRef Name="Famsa"/>
          <PropertyRef Name="Objps"/>
        </Key>
        <Property Name="Pernr" sap:filterable="false" sap:sortable="false"
          sap:updatable="false" sap:creatable="false" sap:label="Personnel No."
          MaxLength="8" Nullable="false" Type="Edm.String"/>
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          MaxLength="1" Nullable="false" Type="Edm.String"/>
      
```