

AGIMENDO.edit UI5

Installation Guide

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Summary

This manual is intended to guide you through the installation and setup procedure of AGIMENDO.edit (including UI5). For further information please refer to the getting started guide or the user manual. This documentation is provided by the development department of the IBsolution GmbH.

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1. Introduction

AGIMENDO.edit UI5 has been developed to easily maintain master data in an SAP Business Warehouse (SAP BW) environment. The UI5 module brings it to the best and easiest configurable interface technology of SAP.

After setting up the application in your SAP BW system you can easily edit the master data of all info objects (characteristics) of your system.

AGIMENDO.edit UI5 consists of a combination of SAP UI5 frontend interfaces with backend gateway services.

The application will be delivered as an SAP ABAP transport request that contains all necessary objects. After importing the transport request and running through the installation procedure the application components can be called directly via URL or could be integrated to a portal.

This documentation will guide you through all necessary steps.



2. System Requirements

Before starting the installation procedure, you have to check if your system meets the basic requirements:

Component	Release	Level	Support Package	Description
SAP_ABA	750	0005	SAPK-75005INSAPABA	Cross-Application Component
SAP_BASIS	750	0005	SAPK-75005INSAPBASIS	SAP Basis Component
SAP_BW	750	0005	SAPK-75005INSAPBW	SAP Business Warehouse
BI_CONT	757	0010	SAPK-75710INBICONT	Business Intelligence Content
SP_GWFND	750	0005	SAPK-75005INSAPGWFND	SAP Gateway Foundation

AGIMENDO.edit UI5 uses the forced static version 1.52.12 of SAPUI5. More recent version of SAPUI5 is currently not supported.

2.1 Check SAP Gateway

The SAP Gateway has to be enabled and ready to accept local connections. To ensure, the SAP Gateway is enabled and configures properly.

To check the current status of the SAP Gateway, go to transaction SPRO and navigate to node Activate or Deactivate SAP Gateway.

Display IMG
😽 ই 📫 Existing BC Sets 🔗 BC Sets for Activity 🔗 Activa
Structure
 SAP Customizing Implementation Guide
🔹 🗟 ি Activate Business Functions
 SAP NetWeaver
 SAP Gateway
 OData Channel
 Configuration
 User Settings
 Connection Settings
• 🗟 🕸 Activate or Deactivate SAP Gateway

Figure 1: SPRO - Select Gateway Activation

After executing the action, either the following popup appears, and you can proceed to activate the SAP Gateway.





Figure 2: SPRO - Dialog to activate SAP Gateway

Otherwise the information will be displayed, that the SAP Gateway is already running.

🔄 De	eactivate SAP Gateway
0	SAP Gateway is currently active. Are you sure you want to deactivate it?
	Deactivation will cause the SAP Gateway services to stop running and will send an error message to anyone who calls the services.
	Deactivate Cancel

Figure 3: SPRO - Dialog to deactivate SAP Gateway

In this case, please do not Deactivate the SAP Gateway.

Installation step 1: Check, if SAP Gateway is activated by transaction SPRO >> SAP Customizing Implementation Guide >> SAP NetWeaver >> SAP Gateway >> OData Channe >> Configuration >> Activate or Deactivate SAP Gateway. If not already activated, please activate SAP Gateway.

2.2 Check System Alias

To enable a connection of SAP Gateway to the local machine we need a system alias normally called LOCAL. To check, whether the system alias is already maintained, go to transaction SPRO and search for "Manage SAP System Aliases".





Figure 4: SPRO - Manage SAP System Aliases

Within the following table check if the system alias LOCAL does exist. If not, please create an entry according your system and save.

G I:	able View Edit	Goto Selection Utilities System Help ▼ ≪ 🛃 👧 🚱 😨 🖨 👘 👘 🏝	ອລຄ							
Ch	Change View "Manage SAP System Allases": Overview									
%	New Entries	8 • 8 8 B								
Man	age SAP System	Alases								
SA	P System Alias	Description	Local GW	For Local App	Use Micro Hub	RFC Destination	Software Version	System ID	Client	WS Provider System
LOC	CAL	Local System Alas	✓			NONE	DEFAULT			

Figure 5: SPRO - Maintain SAP System Aliases

Installation step 2: Check if system alias LOCAL does exist or create if not. Go to transaction SPRO >> SAP Customizing Implementation Guide >> SAP NetWeaver >> SAP Gateway >> OData Channe >> Configuration >> Connection Settings >> SAP Gateway to SAP System >> Manage SAP System Aliases. Maintain a LOCAL system alias if not already there.

3. Installation procedure

3.1 Namespace registration

To prevent naming conflicts all objects have been created in the */ISV/* namespace. This is a globally unique prefix that has been reserved by SAP for IBsolution GmbH development objects.

If the /ISV/ namespace is missing in your SAP system, you have to create the /ISV/ namespace. To do so, just use the SAP transport organizer (transaction **SE03**). Go to *Transport Organizer Tools*,



Administration and choose Display/Change Namespaces. Afterwards switch to editing mode (Figure 6) and create a new entry (Figure 7).

Please fill out the parameters according to Figure 8. Entering the repair license is a necessary step in case you want to modify the extractor logic later.

The *Repair License* is: 00779797301552259874.

¢	<u>T</u> able View	<u>E</u> dit	<u>G</u> oto	<u>S</u> election	Utilities(<u>M</u>)	S <u>y</u> stem	<u>H</u> elp
0	2			1	🗏 I 😋 🙆	😒 🖴	((🖏 🗘 🗘 🎗 🛒 🗾
Display View "Repository Namespaces": Overview							

Figure 6: Edit Namespaces

¢	, <u>T</u> able	View	<u>E</u> dit	<u>G</u> oto	<u>S</u> election	Ut	ilities(<u>M</u>)	Syst	em	<u>H</u> elp					
6					1	8	😋 🙆	8		68	8	°D (080	<mark>※</mark>	21
C	Change View "Repository Namespaces": Overview														
674	🎾 🕄 New Entries 🗈 🕞 🕞 🖪														

Figure 7: Create a new Namespace

C Table View Edit (Goto Selection Utilities(M) System Help							
8	🛯 🗸 📙 I 😋 😧 I 🚔 🛗 🖧 I 🏵 🗘 🛠 I 🛒 🔊 I							
Change View	Change View "Repository Namespaces": Details							
🦻 New Entries 👔	🎾 New Entries 🗈 🕞 🕼 🛃							
Namespace	/ISV/							
Namespace role	C							
Repair License	00779797301552259874							
SSCR Popup								
SAP Standard								
Gen. Objs Only								
Last Changed By	D047							
Date	23.01.2008							
Short Text	Namespace of IBSolution GmbH							
Owner	IBSolution GmbH							

Figure 8: Create and Manage ISV Namespace



The Repair License is: 00779797301552259874

Installation step 3: Open transaction se03 > Transport Organizer Tools > Administration and create and configure namespace /ISV/ and enter repair license 00779797301552259874.

u also will need to cre	ate the corresponding BWGEN-Namespace (Figure 9):
Change View	"Repository Namespaces": Details
🦻 New Entries 🛙	
Namespace	/B135/
Namespace Role	С
Repair License	01305494363550150869
SSCR Popup	
SAP Standard	
Gen. Objs Only	
Last Changed By	D049
Date	25.03.2011

BWGEN generation for /ISV/ IBSolution

IBSolution GmbH

γ

Figure 9: Create and Manage B135 Namespace

The *Repair License* is: 01305494363550150869.

Short Text

Owner

Installation step 4: Open transaction se03 > Transport Organizer Tools > Administration and create and configure namespace /B135/ and enter repair license 01305494363550150869.

Finally, you have to check the mapping of the Namespaces via the transaction **SE16/SM30** (Figure 10):

	e <u>B</u> earbei	ten <u>S</u> pringer	n <u>E</u> instellun	gen Hilfs	s <u>m</u> ittel S <u>y</u> stem
Ø		Ē	4 🛛 🕻	<table-cell> <table-cell> 🕄</table-cell></table-cell>	
Data	Brows	er: Einst	ieg		
	•••				
Tabellenn	iame	RSPSPA	CE		(2)

Figure 10: Transaction SE16

After entering the table name you can view via F7 the entries of the table. In the following selection screen (Figure 11) you have to confirm without entering any data with F8:



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	🗋 🖉 🚱 😫 🗑 🗟 🔂 🖪 Prüftabelle							
Tabel Angez	Tabelle: RSPSPACE Angezeigte Felder: 4 von 4 Feststehende Führu							
NA	MESPACE	NSPACEGEN	BWAPPL	ACTIVE				
☐ 7B ☐ 7B ☐ 7B	A1/ CT/ WTEST01/	/B20/ /B10/ /B71/	PAR BW BW	X X X				
1.7		IDIODI						

Figure 11: Mapping /ISV/ and /B135/ in table RSPSPACE

In the table RSPSPACE the entry, marked red in Figure 11, must be present. If all entries are correct the namespace was correctly transported and the other transports can be imported. If the entry is missing, please create this entry manually before importing the transport requests.

Installation step 5: Open se16/se30 for table rspspace and create an entry to link /ISV/ and /B135/ or ensure the entry is already there. The entry needs to have the following values NAMESPACE: /ISV/ NSPACEGEN: /B135/ BWAPPL: BW ACTIVE: X.

3.2 Import transport requests

After setting up the namespace, you have to import the transport requests to your system. The name and numbering of the transport requests may differ from customer to customer.

AGIMENDO.edit UI5 uses the functionality of other packages: AGIMENDO.common (which serves as the basis for all the AGIMENDO products) and AGIMENDO.edit. Therefore, the separate transport requests – one for AGIMENDO.common, one for AGIMENDO.edit and one for AGIMENDO.edit UI5 – should be imported (in case some packages are missing in your system yet).

Please note that **the packages must be imported in the following order** or the product may not work properly:

- 1. AGIMENDO.common
- 2. AGIMENDO.edit
- 3. AGIMENDO.edit UI5

The provided transport requests were created by an ABAP Stack with the component version 7.0 SP 15 for AGIMENDO.common and AGIMENDO.edit, and a component version 7.50 SP5 for AGIMENDO.edit UI5. If you are using a newer ABAP stack, please ensure to check the option "Ignore Invalid Component Versions" to avoid errors while importing the transport request.



Figure 12: Import options of transport requests

Installation step 6: Import transport requests for AGIMENDO.common, AGIMENDO.edit and AGIMENDO.edit UI5.

To check if the import process has been finished successfully please check if the packages /ISV/AGIM_COMMON, /ISV/PEX_AMA and /ISV/AGIM_UI5_AE exist. You can use transaction **SE80** (ABAP Workbench) to display the package and its content (Figure 13 and Figure 14):

Object Navigator					
🗢 🔿 🛛 🛃 🖬 📽 Edit Object					
MIME Repository					
🖁 Repository Browser					
Repository Information System					
📧 Tag Browser					
🖶 Transport Organizer					
🖽 Test Repository					
Package /ISV/PEX_AMA (+), +), + + + + + + + + + + + + + + + + + +					
Object Name	Description				
🔻 🔁 /ISV/PEX_AMA	PEX Administation Master data administation				
Dictionary Objects					
Class Library					
Programs					
Function Groups					
🕨 📄 Web Dynpro					
🕨 🕨 🖬 BSP Library					

Figure 13: Check if package /ISV/PEX_AMA is available



Object Navigator	
🗢 🔿 🛃 🖪 🖷 Objekt bearbeiten	
MIME Repository	
器 Repository Browser	
बिः Repository Infosystem	
🗈 Tag Browser	
🖶 Transport Organizer	
Test Repository	
Paket ▼ /ISV/AGIM_COMMON ▼ & (→) ▼ & (→) ▼ &	
Objektname	Beschreibung
▼ 🔄 /ISV/AGIM_COMMON	AGIMENDO package for elements used within more than one t
Klassenbibliothek Web Dynpro	



Object Navigator					
🔄 🔿 🛛 🔁 🖪 🤁 Edit Object					
MIME Repository					
Repository Browser					
सिः Repository Information System					
E Tag Browser					
🖶 Transport Organizer					
🖽 Test Repository					
Package /ISV/AGIM_UI5_AE ← ↓ ← ↓ ♥ 全 聞 器 ⊯ ↓ ♥					
Object Name	Description				
▼					
 Dictionary Objects 					
Class Library					
BSP Library					
GW Service Builder Projects	GW: Service Builder Projects				

Figure 15: Check if package /ISV/AGIM_UI5_AE is available



3.3 Register the gateway services

We need to register all the gateway services that have been added with the AGIMENDO.edit UI5 Transport using the transaction **/n/iwfnd/maint_service**:

First filter only for */ISV/* services

Act	Activate and Maintain Services											
	🕲 🔺 🖓 🕼 🕼 🕼 🐨 🖓 Elter 🔍 🗖 Add Sanira 🛱 Daleta Sanira 🖾 Ganira Datair 🕲 and Matadata 🖉 Error Log 🖷 Baguart Statistics 🔊 Bafrack Catala											
Serv	vice Catalog			Add Service	Delece Service	Carlo Decans			tequest sta	aciacica	Nerresir Cac	
Туре	Technical Service Nar	ne .	l^v.	Service Descr	iption		External Service Name	•	Nsp.	OAu	Soft State	Proc
BEP	/ISV/GTW AE DATA	SRV	1	Read and upo	date data		GTW AE DATA SRV		/ISV/		Not Supported	Rout
BEP	/ISV/GTW AE DOCU	SRV	1	Service for file	e attachments		GTW AE DOCU SRV		/ISV/		Not Supported	Rout
BEP	/ISV/GTW AE META	DATA SRV	1	Metadata Ser	vice		GTW AE METADATA SRV /ISV				Not Supported	Rout
BEP	/ISV/GTW AE VIEW	CONFIG SRV	1	AGIMENDO V	'iew informations		GTW AE VIEW CONF	IG SRV	/ISV/		Not Supported	Rout
BEP	/ISV/GTW AE VIEW	S SRV	1				GTW AE VIEWS SRV		/ISV/		Not Supported	Rout
		🔄 A4H(1)/001 F	ilter for	Service Catalo				×				
		Technical Service	Name		/ISV/*							
	Version											
	Description											
	External Service Name											
	Namespace											
	External Mapping ID											
								2				

Then select a single line (1) and press add service (2)

Control C	Maintain Service Edit Goto System	Нер										
Activate and Maintain Services	🖉 🔹 🔹 🖉	🖥 💼 i 🗟 🖄 🖄 i 🖬 🗇 🖄 🖄 👘 👘 🖓	0 🐺									
Control C	Activate and Maintain Service	\$										
Image: Statutory in the												
Service Catalog *V. Service Decorption External Service Name Nuc. Out., 5 oft State Processing Mode Type: Translational Service Name *V. Service Decorption External Service Name Nuc. Nuc. Subscript Additional Service Name Nuc. Nuc. Subscript Addition External Service Name Nuc. Nuc. Nuc. Subscript Additional Service Nuc.	3 A T M // D.H. TR	er 🛛 🖶 Add Service 🔐 Delete Service 🛃 Service	Details Details Details	Request ?	Statistics	Refresh Catal	og 🔌 OAuth 🔌	Soft State	Processing Mod	e		
The Technical Serves Teams VL Serves Description External Serves Team VL, Serl State Discussion Music Serves Team VL, Serves T	Service Catalog											
EEP JESUSCIAL READARS NO. 1 Read and update data GTUL AE. DATA SIN // DV/ DEC.Subcosted Routing-based EEP JESUSCIAL READOUS SIN 1 Revision for Read-and update data GTUL AE. DATA SIN // DV/ DEC.Subcosted Routing-based EEP JESUSCIAL REVIS COST SIN 1 Revision Service GTUL AE. DATA SIN // DV/ DEC.Subcosted Routing-based EEP JESUSCIAL REVIS COST SIN 1 Revision Service GTUL AE. REVIS SIN // DV/ DEC.Subcosted Routing-based EEP JESUSCIAL REVIS COST SIN 1 Revision Service GTUL AE. REVIS SIN // DV/ DEC.Subcosted Routing-based EEP JESUSCIAL REVIS COST SIN 1 Revision Service GTUL AE. REVIS SIN // DV/ DEC.Subcosted Routing-based EEP JESUSCIAL REVIS COST SIN 1 Revision Service GTUL AE. REVIS SIN // DV/ DEC.Subcosted Routing-based EEP JESUSCIAL REVIS COST SIN 1 Revision Service GTUL AE. REVIS SIN // DV/ DEC.Subcosted Routing-based EEP JESUSCIAL REVIS COST SIN 1 Revision Service GTUL AE. REVIS SIN // DV/ DEC.Subcosted Routing-based EEP JESUSCIAL REVIS COST SIN 1 Revision Service GTUL AE. REVIS SIN // DV/ DV/ DV/ DV/ DV/ DV/ DV/ DV/ DV/	Type Technical Service Name	V_ Service Description	External Service Name	Nisp.	OAut	Soft State	Processing Mode					
Providence Approximate Providence Provi	BEP /ISV/GTW AE DATA SRV	1 Read and update data	GTW AE DATA SRV	/ISV/		Not Supported	Routing-based					
BEP / ESVICITIV AE / BECADATA SEX / 1/W EXCALLS SEX / 1/W / 1/W ES Seconds Routing-based CF Nodes CF Nodes System Alas / State Description System Alas / Description	JEP /ISV/GTW AE DOCU SRV	1 Service for file attachments	GTW AE DOCU SRV	/15V/		Not Supported	Routing-based					
Eine <u>(Text) and Verin</u> <u>Addression</u> Service <u>Verin</u> <u>Controls Service</u> <u>1 Addression</u> Service <u>Verin</u> <u>Controls Service</u> <u>1 Addression</u> Service <u>Verin</u> <u>1 Addression</u> Service <u>Verin</u> <u>1 Addression</u> Service <u>Verinnen</u> Servi	EP /ISV/GTW AE METADATA SRV	1 Metadata Service	GTW AE METADATA SRV	/15V/		Not Supported	Routing-based	100				
	EP /ISV/GTW AE VIEW CONFIG SRV	1 AGIMENDO View informations	GTW AE VIEW CONFIG SRV	/ISV/		Not Supported	Routing-based					
CF Node System Alan To tencer System Alan Concurrency Or Service Implementation CF Node System Alan To tencer System Alan Concurrency Or Service Implementation System Alan Service Implementation System Alan Concurrency Or Service Implementation	EP /ISV/GTW AE VIEWS SRV	1	GTW AE VIEWS SRV	/1SV/		Not Supported	Routing-based					
ICF Nodes System Aliases Statu UP Hole Session Time-out Soft State Description SP2 System Alia Description Default Metadata User Role Host Na	1CF Node 🔎 🐼 Cal Browser 🖓 SAP Gate	way Clent			B	Add System Alas	BRemove System	n Alas 🖓 🖓	ustomizing Gr Se	rvice Implementat	Son	
Status IDF Node Session Time-out Soft State Description Default Metadata User Role Host Na	ICF Nodes				Sy	stem Aliase	s					
	Status ICF Node Session Time-out Soft State Description					System Alas D	lescription			Default	Metadata User Role	Host Name
OTE ODATA 00:00:00 Standard Mode	ODATA 00:00:00	Standard Mode			1000							

Then add a new line by pressing "New Entries"

로 <u>T</u> able View <u>E</u> dit <u>G</u> oto	Selection Utilities	S <u>y</u> stem <u>H</u> elp						
 The second second	« 📙 🚷 🚷	🖴 ii ii i 🛍	1 A 1 🗖 🗖	Ø 🖳				
Change View "Assign	n SAP System A	liases to OD	ata Service": O	verview				
💖 New Entries 🗈 🖶 🖙	888							
Assign SA	Data Service							
Service Doc. Identifier	User Role	Host Name	SAP System Alias	Default System	Metadata Default	Tech. Svc. Name	Ext. Service Name	
								‡_

Fill out the "Service-Doc Identifier" (1) corresponding to the selected service before (use value help), the "SAP System Alias" (2) LOCAL and check the Default System checkbox.

New Entries: Overview o	New Entries: Overview of Added Entries							
≫ 5. 5. 5. 5								
Assign SAP System Aliases to OData S	ervice							
Service Doc. Identifier	User Role	Host Name	SAP System Alias	Default System	Metadata Default	Tech. Svc. Name	Ext. Service Name	
/ISV/GTW_AE_VIEW_CONFIG_SRV			LOCAL	\checkmark				*
								-
				_				



After pressing <ENTER> to submit your changes the line should look like this:

New Entries: Overview of Added Entries								
🦻 🖶 🖪 🖪								
Assign SAP System Aliases to OData S	ervice							
Service Doc. Identifier	User Role	Host Name	SAP System Alias	Default System	Metadata Default	Tech. Svc. Name	Ext. Service Name	
/ISV/GTW_AE_VIEW_CONFIG_SRV			LOCAL	✓		/ISV/GTW_AE_VIEW_CONFIG_SRV	GTW_AE_VIEW_CONFIG_SRV	*
	Q							•

Go back to the service list and confirm saving changes. Do so for each of the transported services.

Installation step 7: Assign a System Alias for each Service by transaction /IWFND/MAINT_SERVICE. (see detailed description about how)

3.4 Activate SICF nodes

Precondition: All basic services that are needed to run a UI5 application have to be activated already. For details, refer to SAP Note 517484 (Inactive Services in the Internet Communication Framework).

By default, imported web applications are disabled. To enable the application, you have to activate the corresponding Internet Communication Framework (ICF) nodes.

Define Services			
⊕ ∐			
Filter for Calling ICF Hierarchy			
Hierarchy Type	SERVICE		
Virtual Host			
Service Path		_]
Service Name	*ISV*		
Reference Service]
Description]
Language	EN English 🔹		
Filter for Detail Information			
Created By			
Created On		to	
Last Changed By			
Changed On		to	

The ICF nodes can be activated using the transaction **SICF** (Figure 16):

Figure 16: Transaction SICF

Please choose the hierarchy type SERVICE, set the filter ISV* for the Service Name and press the EXECUTE-Button to maintain the services.



Virtuelle Hosts / Services
✓ II default_host
V 🖸 sap
√ 🖸 bc
V 🖸 bsp
V 🖸 isv
😭 agim_ae_ui5_mnt
√ 🖸 ui5_ui5
V 🖸 isv
😭 agim_ae_ui5_mnt
🗸 🚮 webdynpro
V 🖸 isv
😭 paq0ddwdc_mdm_main
paq0ddwdc_view_auth
😭 paq0ddwdc_wizard
AE_TRANSPORT_MANAGER
V 🚺 opu
🗸 🚺 odata
🗸 🖸 isv
😭 gtw_ae_data_srv
gtw_ae_docu_srv
gtw_ae_metadata_srv
gtw_ae_views_srv
gtw_ae_view_config_srv

Figure 17: ICF service tree

The tree will automatically expanded along multiple paths:

default_host -> sap -> bc -> bsp -> ... is for the frontend interface application
default_host -> sap -> bc -> ui5_ui5 -> ... is also for the frontend interface application
default_host -> sap -> bc -> webdynpro-> ... is for the web services
default_host -> sap -> opu -> odata -> ... is for the backend services

Right mouse-click on an ICF node opens a context menu, which allows activating / deactivating a service.

Please activate all services listed in Figure 17.



Installation step 8: Start transaction SICF and activate all SICF nodes for ISV Services below the following paths: default_host/sap/bc/bsp/isv default_host/sap/bc/ui5_ui5/isv default_host/sap/bc/webdynpro default_host/sap/opu/odata/isv

3.5 Customize number ranges

3.5.1 AGIMENDO.edit Views (/ISV/VIEWS)

AGIMENDO.edit uses "views" to administrate the application's settings for a characteristic. The automatic numbering during the creation process of a view is based on a number range object.

The object itself will be delivered with the transport request but it has to be customized as described below.

Start the transaction "SNRO" and select the number range object "/ISV/VIEWS" (Figure 18):

Nu	mber Range Object Maintenance
&	Number ranges
Objec	t /ISV/VIEWS

Figure 18: Number Range Objects

Create a new interval range as shown below (the current number will be 0):



R Objec	t PACE	EAMA		
Interv	/als			
No.	From number	To number	Current number	Ext
1 1	0000000001	9999999999	200	
-				

Figure 19: Interval Setting for /ISV/VIEWS

Note: It is important to set the interval number to "1". Do not use "01" or any similar numbering.

Note: To prevent the generation of identical numbers in different systems please create different number ranges for each system in your system landscape. For example create a number range in your development system starting at 000000001 to 100000000 and a number interval starting at 1000000001 to 200000000 in your production system. (Please keep in mind that both intervals had to have the same number range number ('1').

3.5.2 AGIMENDO.edit Transport Items (/ISV/AETID)

There is a second number range object (/ISV/AETID) that is delivered by the transport request to generate the numbers for the transport items. Please create also for this number range object a number range interval as described in chapter 4.5.1.

Note: It is important to set the interval number to "01". *Do not use "1" or any similar numbering*. This numbering differs from the setting for /ISV/VIEWS in chapter 4.5.1.

Display Number Range Intervals								
NR Obj	NR Object AE:Transport Item ID							
Inte	ervals							
No	. From number	To number	Current number	Ext 🛄				
01	0000000001	100000000	207	□ ▲				

Figure 20: Interval Setting for /ISV/AETID



Note: To prevent the generation of identical numbers in different systems please create different number ranges for each system in your system landscape. For example create a number range in your development system starting at 000000001 to 100000000 and a number interval starting at 1000000001 to 200000000 in your production system. (Please keep in mind that both intervals had to have the same number range number ('01').

3.6 Define appropriate roles (PFCG)

To be able to execute all available functions AGIMENDO.edit you have to ensure that the user has sufficient authorizations in the system. Please find below a screenshot of a sample role that contains all necessary authorization objects and their customization (Figure 21):



Figure 21: Needed Authorization Objects to run AGIMENDO.edit

The authorization object S_RS_AUTH is optional. You need this object in case you want to use BI Analysis Authorizations. The property BIAUTH must contain the name of the appropriate BI Analysis role.

You will need to add the following authorization object to S_SERVICE.





Figure 22: Authorization objects for the UI5 module

Here is a copy if you want to simply do a copy/paste:

R3TR	IWSV	/ISV/GTW_AE_DATA_SRV
R3TR	IWSG	/ISV/GTW_AE_DATA_SRV_0001
R3TR	IWSV	/ISV/GTW_AE_METADATA_SRV
R3TR	IWSG	/ISV/GTW_AE_METADATA_SRV_0001
R3TR	IWSV	/ISV/GTW_AE_VIEW_CONFIG_SRV
R3TR	IWSG	/ISV/GTW_AE_VIEW_CONFIG_SRV_0001
R3TR	IWSV	/ISV/GTW_AE_VIEWS_SRV
R3TR	IWSG	/ISV/GTW_AE_VIEWS_SRV_0001
R3TR	IWSV	/ISV/GTW_AE_DOCU_SRV
R3TR	IWSG	/ISV/GTW_AE_DOCU_SRV_0001

To be able to add these configurations, in some circumstances you must call each service once before the hash value is generated. The easiest way to avoid incremental calling (call the first service, get auth



error, maintain the first auth, calling second service and so on) is to start the application with a user with a * in SRV_NAME.

Installation step 9: Create a role to use AGIMENDO edit or ensure the requested authorization objects are included in existing roles of your system.

Installation step 10: If needed deploy AGIMENDO.edit as a cloud application and connect to Backend as described.

4. Setup in a Fiori Launchpad environment

General							N	Navigation		
			Title:	My Budget A	Approvals			Use semantic object navigation:	V	
	Subitie.				Semantic Object:	AGIMENDOeditUI5	ð			
			Keywords:					Action:	display	
	lcon: sap-icon//Fiori2/F0101 d ²			1	Parameters:	s: ObjectName=ZDEMOIVID&ViewID=481&FullWidth=X				
	Information:				Target URL:	: #AGIMENDOeditUI5-display?ObjectName=ZDEMOIVID&ViewID=481&FuIIWIdth=X				
Tile Actions										
Menu Ite	em Target Ty	Navigation	Target	Action	lcon					
	URL 👻				sap 🗗					
									Add Re	nove

Figure 23: Example Configuration of Tile

Intent								Target		
Semantic Obje	ct: A	GIMENDOedit	UI5				ð	Application Type:	SAPUI5 Fiori App	~
Acti	on: de	splay					ð	Title:	AGIMENDO.edit UI5	
								URL:	/sap/bc/ui5_ui5/isv/agim_ae_ui5_mnt/webapp/app/	
								ID:	ibsolution.agimendo.ui.edit	
General										
Informat	ion:									
Device Typ	es: 🗸	Desktop						✓ Tablet	Phone	
Paramet	MS:	Name	Mandatory	Value	Is Regular Expression	Default Value	Target N			
		FullWidth				х	FullWidth			
		ObjectName					ObjectNam			
		ViewID					ViewID			
	1	Allow additiona	i parameters							Add Delete

Figure 24: Configuration of Target Mapping

5. Setup your AGIMENDO.edit application in the SAP Cloud Platform

To perform a cloud deployment, you will need a

- SAP Cloud Platform account
- Enabled backend connection to your SAP BW System (destination, cloud connector)

Please follow theses steps:

1. Open: <u>https://account.hana.ondemand.com</u> and Login with your credentials



- 2. Select your Account
- 3. Select HTML5 Applications
- 4. New Application

ä	Overview		1 Home [Europe (Rot)] / 📴 IBsolution CP Development / 🖻 AGIMENDO Development							
٩	Applications	~	3 Subaccount: AGIMENDO Development - HTML5 Applications							
	Java Applications		l: 1							
	HTML5 Applications		New Application 1 mport from File		All States 🗸 🗸	Search				
	HANA XS Applications		State Application	,	Active Version	Actions				
	Subscriptions		Started agimendoedit	2	2.19.0	3 🦽 Þ 💿 🗑				
цô,	Services									



- 5. Edit application online using SAP WEB IDE
- 6. Clone repository with the given URL
- 7. Import provided ZIP file
 - a. Right click on project à Import à File or Project
 - b. Choose ZIP file and upload
- 8. Deploy application
 - a. Right click on project à Deploy à Deploy to SAP Cloud Platform
 - b. "Update an existing application"
 - c. Choose correct Application Name

Deploy Application to SAP Cloud Platform							
The selected application is a updated application.	already deployed to SAP Cloud Platform. Cre	eate a n	ew version and deploy the				
Application Details							
O Deploy a new application	tion • Update an existing application						
*Account	pb1a43a438	\sim	Get Accounts				
Project Name	agimendoedit						
*Application Name	agimendoedit	~					
Version Management *Version	1.0.0						
Application Status							

Figure 26: SAP Cloud Platform: Define application name - new or replace for update

9. Add Destination to access SAP backend (SAP BW with installed AGIMENDO.edit UI5)



Cverview	A Home [Europ	盒 Home [Europe (Rott)] / 줱 IBsolution CP Development / 茵 AGIMENDO Development							
Applications ~	🖉 Subac								
Java Applications	All: 5	All 5							
HTML5 Applications					Search				
HANA XS Applications	Ct. New Deet	Instant Destination Costille	ates		1				
Subscriptions	E New Desi	Mana Mana	Dania Desentias		Anton				
😢 Services	Type	Name	basic Properties		Acuons				
Solutions									
[] Virtual Machines >	-								
😂 SAP HANA / SAP ASE >									
ই Connectivity 🗸 🗸									
Destinations		101.000							
Cloud Connectors	-								

Figure 27:Add and select destination to backend (SAP BW)

- 10. Go back to application
 - a. Overview Required Destinations
 - b. Edit required destination
 - c. Select just created destination as "Mapped Subaccount Destination"
 - d. Save

Overview	☆ Home [Europe (Rot)] / ☑ IBsolution CP	🚖 Home (Europe (Rott)) / 🔯 IBsolution CP Development / 🖾 AdJMENDO Development / 🕲 test 🗸							
Monitoring	HTML5 Application: test - 0	HTML5 Application: test - Overview							
C Versioning	Application Details	Application Datalia							
ළ ⁶ Roles	Application Name:	, provide a second							
Resource Consumption	Display Name:	rapportunit result.							
	Description:	Bescription							
		Edit							
	Actions								
	🖉 Started 🕨 🖻 📋	Ť							
	Active Version								
	Active Application Version:	1							
	Application URL:	https://test-pb1a43a438.dispatche	r.hana.ondemand.com						
	Required Destinations								
	Assign a destination from your subaccount	to each required destination of th	e application.						
	Available	Required Destination (from Appl	ication Descriptor)	Mapped Subaccount Destination					
	0	-	ADDRESS AND THAT DATASAT	100,000					
	Edit								
					-				
	Application Permissions								
	Advances and a particular pa								
	Permission Name	۵	Assigned Role	Description					
	NonActiveApplicationPermission		AccountDeveloper	Default permission for non-active application versions					
	Edit								

Figure 28: SAP Cloud Platform: Assign destination

- 11. Click on "Versioning" (left sidebar)
 - a. Switch from "Commits" to "Versions"
 - b. Repeat steps from No.9 for current active version



Monitoring	>	HTML5 Application:	test - Versioning								
Versioning		Source Location									
ළු Roles		Git Repository URL: https://git.	Git Repository URL: https://git.hans.ondemand.com/pb1a43a438/hest								
Resource Consu	umption	🖧 Edit Online	🧞 Edit Online								
		History Commits Versions C Refresh <u>1</u> Import from Version	Fie		Active	Actions					
		Required Destinations for Ver Assign a destination from your su Available Edit	rsion "1" blaccount to each required destination of the application. Required Destination (from Application Descrip	ptor)			Mapped Subaccount Destination				

Figure 29: SAP Cloud Platform: Switch version

Hinweis: Für das Target-Mapping im SAP Fiori Launchpad wird der Namespace ibsolution.agimendo.ui.edit sowie der Resource-Root /sap/bc/ui5_ui5/isv/agim_ae_ui5_mnt/webapp/app/benötigt.



6. Installation Steps

Installation step 1: Check, if SAP Gateway is activated by transaction SPRO >> SAP Customizing
Implementation Guide >> SAP NetWeaver >> SAP Gateway >> OData Channe >> Configuration >>
Activate or Deactivate SAP Gateway. If not already activated, please activate SAP Gateway
Installation step 2: Check if system alias LOCAL does exist or create if not. Go to transaction SPRO >>
SAP Customizing Implementation Guide >> SAP NetWeaver >> SAP Gateway >> OData Channe >>
Configuration >> Connection Settings >> SAP Gateway to SAP System >> Manage SAP System Aliases.
Maintain a LOCAL system alias if not already there
Installation step 3: Open transaction se03 > Transport Organizer Tools > Administration and create
and configure namespace /ISV/ and enter repair license 00779797301552259874
Installation step 4: Open transaction se03 > Transport Organizer Tools > Administration and create
and configure namespace /B135/ and enter repair license 01305494363550150869
Installation step 5: Open se16/se30 for table rspspace and create an entry to link /ISV/ and /B135/
or ensure the entry is already there. The entry needs to have the following values NAMESPACE: /ISV/
NSPACEGEN: /B135/ BWAPPL: BW ACTIVE: X9
Installation step 6: Import transport requests for AGIMENDO.common, AGIMENDO.edit and
AGIMENDO.edit UI5. 10
Installation step 7: Assign a System Alias for each Service by transaction /IWFND/MAINT_SERVICE.
(see detailed description about how)13
Installation step 8: Start transaction SICF and activate all SICF nodes for ISV Services below the
following paths: default_host/sap/bc/bsp/isv default_host/sap/bc/ui5_ui5/isv
default_host/sap/bc/webdynpro default_host/sap/opu/odata/isv15
Installation step 9: Create a role to use AGIMENDO edit or ensure the requested authorization
objects are included in existing roles of your system
Installation step 10: If needed deploy AGIMENDO.edit as a cloud application and connect to Backend
as described. 19



7. Appendix

7.1 Document History

Version	Author	Short description of changes	Datum
1.0	Rouzbeh Nabatian	Creation of document	2009-06-24
1.1	Rouzbeh Nabatian	Review	2009-07-10
1.2	Felix Weyde	Branding	2010-10-14
1.3	Felix Weyde	Create missing entry within RSPACE	2012-03-23
1.4	Artjom Smirnov	Review, format update	2012-12-13
1.5	Felix Weyde	Additional Import Options of Transport Requests	2013-07-22
1.6	Felix Weyde	According to product version 2.12	2014-01-27
1.6.1	Felix Weyde	Wrong number range number (chapter 4.4.2)	2014-04-15
1.6.2	Felix Weyde	Upgrade-Report for Version 2.12.3	2014-07-11
1.6.3	Felix Weyde	Hint for transporting table entries (chapter 4.5)	2015-06-08
1.7.0	Felix Weyde	Added UI5 Components	2018-05-24
1.7.1	Felix Weyde	Added Roles and UI5 Auth Objects	2018-12-05
2.0.0	Felix Weyde	Added UI 5 install guide, step by step guide	2018-05-02
2.0.1	Felix Weyde	Added Clould deployment	25.07.2019

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