

How to Setup Notifications in Fiori 2.0 Step-by-Step

SAP S/4HANA 1610

Wilson Wei

© 2017 SAP AG. All rights reserved.

SAP, R/3, SAP NetWeaver, Duet, PartnerEdge, ByDesign, SAP BusinessObjects Explorer, StreamWork, SAP HANA, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and other countries.

Business Objects and the Business Objects logo, BusinessObjects, Crystal Reports, Crystal Decisions, Web Intelligence, Xcelsius, and other Business Objects products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Business Objects Software Itd. Business Objects is an SAP company.

Sybase and Adaptive Server, iAnywhere, Sybase 365, SQL Anywhere, and other Sybase products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Sybase Inc. Sybase is an SAP company.

Crossgate, m@gic EDDY, B2B 360°, and B2B 360° Services are registered trademarks of Crossgate AG in Germany and other countries. Crossgate is an SAP company.

All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

These materials are subject to change without notice. These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.



Document History

Document Version	Authored By	Description	Date Created
1.0	Wilson Wei	Fiori white paper	May 8, 2017

Document Version	Reviewer	Description	Date Created
1.0	Charlie Zhang	Review documentation	May 9, 2017
1.0	Ali Chalhoub	Review	June 13, 2017

www.sap.com

TABLE OF CONTENTS

Document History	2
ABSTRACT	4
CHAPTER 1 CREATING & ASSIGNING PFCG ROLES	5
Create Roles from PFCG Role Templates	5
CHAPTER 2 CONFIGURING NOTIFICATION HUB	10
Create system alias	
Activate SICF Service for OData V4	
Publish Notification OData Service	
Setup Push Channel	
CHAPTER 3 CONFIGURING NOTIFICATION PROVIDER	20
Register the Notification Provider System with the Notification Hub System	20
Register and Activate Notification Provider	
Enable Workflow and Task to Push Notifications	
Schedule Workflow Job SWWDHEX	
CHAPTER 4 ENABLING NOTIFICATIONS IN FIORI LAUNCHPAD	37
Enable Notification in Fiori Launchpad	
CHAPTER 5 TESTING NOTIFICATIONS	40
Test the Demo Notification Provider IWNGW_DEMO1	40



Abstract

Chapter 1 - Creating & Assigning PFCG Roles

1.1. Create Roles from PFCG Role Templates

Chapter 2 - Configuring Notification Hub

- 2.1. Create system alias
- 2.2. Activate SICF Service for OData V4
- 2.3. Publish Notification OData Service
- 2.4. Setup Push Channel

Chapter 3 - Configuring Notification Provider

- 3.1. Register the Notification Provider System with the Notification Hub System
- 3.2. Register and Activate Notification Provider
- 3.3. Enable Workflow and Task to Push Notifications
- 3.4. Schedule Workflow Job SWWDHEX

Chapter 4 - Enabling Notifications in Fiori Launchpad

- 4.1. Enable Notification in Fiori Launchpad
- 4.2. Test the Demo Notification Provider IWNGW_DEMO1
- 4.3. Test the SAP Business Workflow Notification Provider

Chapter 5 - Testing Notifications

- 5.1. Test the Demo Notification Provider IWNGW_DEMO1
- 5.2. Test the SAP Business Workflow Notification Provider

This document contains all the information about how to set up Notifications in Fiori 2.0. This document will also specify which part should be configured in the Hub system and which part should be configured in Backend system.

ⁱ Note	 In this document, we will use the following environment: SAP S/4HANA 1610 ON PREMISE SAP FIORI FRONT-END SERVER 3.0
➡ Requirement	 SAP_UI 751 SP00 or higher and GWFND 7.51 SP00 or higher on Notification Hub system.

• GWFND 7.51 SP00 or higher on Backend system.

Create Roles from PFCG Role Templates

The Notification Channel framework provides predefined roles as templates for developers, administrators, end users and so-called provider users. You can configure the roles based on the provided templates and assign roles to the users.

Template Name	Description
/IWNGW/RT BEP ADM	Role template for Notification Channel backend administrator
/IWNGW/RT HUB ADM	Role template for Notification Channel hub administrator
/WNGW/ RT NP DEV	Role template for Notification Channel developer
	Polo template for Netification Channel consumer user
//wingw/k1_0Sek_CONSU	Role template for Notification Channel consumer user
/IWNGW/RT_USER_PRODU	Role template for Notification Channel producer user

- 1. Run transaction code PFCG.
- 2. Input the Role name. In our example, it is called **ZNTBEPADM** and click the "Single Role" button.



Figure 1 – Create PFCG role

- 3. Input "Description".
- 4. Click "Save" button.
- 5. Click "Authorization" tab.

<u>7 R</u> ole <u>E</u> dit <u>G</u> oto Utilitie <u>s</u> System	<u>H</u> elp
Ø 🔁 🕄 🕄 🖉	8 😨 🚔 🖞 👘 🕄 🗘 💭 💭 🔽 🎯 💻
Create Roles	
🤣 📬 Other role 🛛 📔 Inheritance 🔹 🚺	
Role	
Role ZNTBEPADM	
Description Notification Channel ba	ackend admin
Target System	
Construction Menu Owner Administration Information	4 Authorizations User MiniApps Personalization
Created	Derive from Role
Created User	Derive from Role
Created User Date	Derive from Role
Created User Date Time 00:00:00	Derive from Role
Created User Date Time 00:00:00	Derive from Role
Created User Date Time 00:00:00 Long Text	Derive from Role

Figure 2 – Save the PFCGF role

6. Click "Change Authorization Data" button.

🖻 <u>R</u> ole <u>E</u> dit <u>G</u> oto Utilitie <u>s</u> S <u>y</u> stem <u>H</u> elp	
🖉 💽 😒 🔛 🔜 👻	a 11 11 11 11 11 11 11 11 11 11 11 11 11
Change Roles	
😚 🖆 Other role 🛛 📔 Inheritance 🔹 🚺	
Role	
Role ZNTBEPADM	Obsolete
Description Notification Channel backend ad	min
Target System	No destination
Created	Last Changed
User	User
Date	Date
Time 00:00:00	Time 00:00:00
Information About Authorization Profile	
Profile Name	
Profile Text	
Status No authorization data exists	
Chite Authorization Data and Grouperty Duritor	
Edit Authorization Data and Generate Profiles	
Change Authorization Data	
Expert Mode for Profile Generation	

Figure 3 – Change Authorization Data

7. Select "/IWBEP/RT_BEP_ADM" and click "Apply Template" button.

		5	10	
Change Role: Author	rizations			
📅 🗟 Selection criteria	🔁 Manually Organizational levels 🖵 Trace 🚺 In	format	ion	Versions
Role ZNTBEPADM Maint. 0 unmaint. org. levels, 0 Status: Changed	open fields			
Status Edit 🛛 🚟 🛛 📚	🕿 😑 💶 🖬 Search 🗳 🛄 Values			
Group/Object/Authorization/Field	Maintena 4 Value			Text
🕞 Choose Template			×	1
Template	Text for Template			
/IWBEP/GW_SUPPORT_RO	Read-only role for SAP Gateway supportability	_	÷.	
/IWBEP/RT_BEP_ADM	Role Template for Backend Event Publisher Administrator			
/IWBEP/RT_BEP_USR	Role tamplate for backend event publisher users		_	
/IWBEP/RT_MGW_ADM	Role Template for OData Channel Administrator		_	
/IWBEP/RT_MGW_DEV	Role Template for OData Channel Developer			
/IWBEP/RT_MGW_USR	Role Template for OData Channel User			
/IWBEP/RT_SUB_USR	Role Template for On-behalf Subscription User			
/IWBEP/RT_USS_ADMUSR	Admin User - SAP Gateway User Self Service			
/IWBEP/RT_USS_INTUSR	Internet User - SAP Gateway User Self Service			
/IWBEP/RT_USS_SRVUSR	Service User - SAP Gateway User Self Service			
	Read-only role for SAP Gateway supportability		Ŧ	
/IWFND/GW_SUPPORT_RO				

Figure 4 – Choose template

8. Click "Save" button.

E Authorizations Edit Goto Utilities Eng	ironment S <u>y</u> stem <u>H</u> elp	
🖉 🔊 📘 » 💌	👷 🚔 🎁 🎼 🕮 🏝 🖆 💭 🎝 🧮 📰 🎯 🖷	
Change Role: Authorizations		
🕒 📅 🗟 Selection criteria 🛛 🗟 Manually 🛛 Org	ganizational levels 🖵 Trace 🚺 Information V	ersions
Role ZNTBEPADM Maint. 0 unmaint. org. levels, 0 open fields Status: generated	Search I Walues	
Group/Object/Authorization/Field	Maintena A Value	Text
ODB Object class AAAB	Manually	Cross-application Authorization Objects
COB Object class BC_A	Manualy	Basis: Administration

Figure 5 – Save the role

9. Click the "Generate" button to generate the role profile.

🖙 <u>A</u> uthorizations <u>E</u> dit <u>G</u> oto Utilitie <u>s</u> En <u>v</u> ir	onment S <u>y</u> stem <u>H</u> elp	
🖉 💽 🔹 🔍 😴	里 🕲 i 🗟 🧮 i 🌣 C C C C I 🖏 🕅 🖨 i 🖇	
Change Role: Authorizations		
💽 📅 🗟 Selection criteria 🛛 🗟 Manually Orga	nizational levels 💶 Trace 🧵 Information Versi	ons
Role ZNTBEPADM Maint. 0 unmaint. org. levels, 0 open fields Status: Changed		
🗖 Status 🛛 Edit 🦼 🔛 🛛 😓 🔔 📜 🖽	Search 🔽 🛄 Values	
Group/Object/Authorization/Field	Maintena 4 Value	Text
Object class AAAB	Manually	Cross-application Authorization Objects
 COB Object class BC_A 	Manually	Basis: Administration

Figure 6 – Generate the role profile

10. Save the generated profile.

🔄 <u>A</u> uth	orizations	<u>E</u> dit <u>G</u>	ioto	Utilitie <u>s</u>	En <u>v</u> ironment	S <u>v</u> stem	<u>H</u> elp		
0			• « (6 C 2 i) (§ 1 \$	3 1 D D :		9 💻
Char	ige Rol	e: Auth	oriza	tions					
9 🐨	Selecti	ion criteria	Бом	lanually	Organizational	levels	<u> T</u> race	1 Information	Versions
Role Maint. S C As	ZNTBEPAL 0 unmaint sign Profile	DM . org. level Name for (<mark>s, 0 ope</mark> Generat	n fields ed Autho	orization Profile			د	.
You c	an change	the defaul	t profile	name he	re				Text
G Profile	name	T-SH7:	30010						Cross-and
Text		Profile	for role	ZNTBEPA	ADM	Sav	ve Without	Profile Name	Basis: Ad
_									

Figure 7 – assign profile name for generated profile

- 11. Click "User" tab.
- 12. Enter the ID of the Notification Channel Backend administrator.
- 13. Click "Save" button.

☞ <u>R</u> ole <u>E</u> dit <u>G</u> oto	Utilitie <u>s</u> S <u>v</u> stem <u>H</u> elp					
Ø	3 🗟 🗟 😵		រដ្ឋា	🗾 🗾 (2 🖶	
Change Roles						
😚 🖻 Other role 🛛 🛽	Inheritance					
Role						
Role	ZNTBEPADM		Obsolete			
Description	Notification Channel backend	admin				
Target System) No destinati	on		
	Menu Morkflow Selection	Authori	. User	er MiniA	pps 2	B Personalization
User Assignments						
	ser Name		From	to	I	

Figure 8 – assign the role to the user

14. Click "User Comparison" button.

🖙 <u>R</u> ole <u>E</u> dit <u>G</u> oto Utilitie <u>s</u> S <u>y</u> stem <u>H</u> elp
👽 💽 🗟 🕻 🖓 🛞 🔛 🚔 🖞 👘 👘 🎝 💭 🗐 🧮 💌
Change Roles
⁶ ŷ ■ ^C Other role] Inheritance]
Role
Role ZNTBEPADM Obsolete
Description Notification Channel backend admin
Target System
🔍 Description 🖉 Menu 🖉 Workflow 🗖 Authorizations 🛆 User 🛛 MiniApps 🖉 Personalization
ECE R & Selection Organizational Mg
User Assignments
User ID User Name From to I
06.05.2017 31.12.9999

Figure 9 – User comparison

15. Click "Complete comparison" button.

Er <u>R</u> ole Edit <u>G</u> oto Utilities System Help ✔						
Change Roles						
😚 🗗 Other role 🛛 📔 Inheritance 🚽 🚺						
🖻 Compare Role User Master Record						
Attempted Profile Comparison	Profile comparison successful					
User	User					
Date	Date					
Time 00:00:00	Time 00:00:00					
Information for user master comparison						
Complete comparison I Information						

Figure 10 – Compare Role User Master Record view

16. Close the popup.

로 <u>R</u> ole <u>E</u> dit <u>G</u> oto Utilitie <u>s</u> S <u>y</u> stem <u>H</u> elj	lp
	8 2 1 1 1 1 1 1 1 0 1 0 1 0 1 1
Change Roles	
😚 🖻 Other role 🛛 📔 Inheritance 🔹 🚺	
I Compare Role User Master Record	×
Attempted Profile Comparison User Date 06.05.2017 Time	Profile comparison successful User Date 06.05.2017 Time 01:56:02
Information for user master comparison Status Comparison of user master record complete	eted
VILSON	

Figure 11 – Complete comparison

- 17. Please repeat the above steps to create the other PFCG roles form the role template.
- 18. Assign the newly created roles to the eligible user based on their role.
- The roles created from the following template should be created in Notification hub system: /IWNGW/RT_HUB_ADM, /IWNGW/RT_USER_CONSU,
 The roles created from the following template should be created in Backend system: /IWNGW/RT_BEP_ADM, /IWNGW/RT_NP_DEV, /IWNGW/RT_USER_PRODU

In this session, you can find the information about configuring Notification Hub. Notification Hub collects notifications to be shown in the Notification Center.

• The configuration in this chapter should be performed in the Hub system.	
--	--

Create system alias

 For Embedded deployment, we need one system alias called LOCAL. For Hub deployment, we need two system alias, one is "Local", the other one is pointing to the Backend system. 	i Note	 For Embedded deployment, we need one system alias called LOCAL. For Hub deployment, we need two system alias, one is "Local", the other one is pointing to the Backend system.
---	--------	---

- 1. After login to the Hub system, run transaction code SPRO.
- 2. Select "SAP Customizing Implementation Guide".
- 3. Select "SAP NetWeaver".
- 4. Select "Notification Channel".
- 5. Select "Notification Channel Hub".
- 6. Select "Configuration".
- 7. Select "Connection Settings".
- 8. Execute "Manage SAP System Alias".

다 Implementation Guide Edit Goto Additional Information Utilities System Help					
🖉 🔽 🗸 😌 🔜 🛛 🕲 🖓 🖓 🖓 🖓 🖏 🖏 🖏 🖏 🖓 👘					
Display IMG					
😽 💭 👘 Existing BC Sets 🗞 BC Sets for Activity 🤣 Activated BC Sets for Activity 🕕 Release Notes Change Log 🛛 Where Else Used					
Structure					
▼ 🔂 SAP Customizing Implementation Guide					
• 🗟 🍄 Activate Business Functions					
✓ SAP NetWeaver					
 SAP Gateway Service Enablement 					
SAP Gateway					
Notification Channel					
Notification Channel Hub					
Conguration					
Connection Sectings Content of the section se					
Anage WebSocket Endooint					
A Monitor WebSocket Endpoint					
Ba 🀼 Manage SMP Destination					
• 🗟 🊱 Register SMP Destination					
• 🗟 🍄 Publish the Notification OData Service					
Administration					
Notification Channel Provider Enablement					
UI Technologies					
• 63 General settings					
Mobile Infrastructure					
Ico Business warehouse					
► Ibd Application Server					
Search and Operational Analytics					

Figure 12 – Display IMG

9. Create an SAP system alias called LOCAL, RFC destination to NONE. If it exists, please skip this step.



Figure 13 – Manage SAP System Alias overview

- 10. Click "New Entries" button.
- 11. Create an SAP system alias with the RFC destination pointing to the backend system then Save it. If you are in Embedded scenario, please skip this step.

[년 <u>T</u> able View <u>E</u> dit	<u>G</u> oto Selection Utilitie <u>s</u> S <u>y</u> stem <u>H</u> elp								
	Ø	💌 🗶 🖓 🕅 😓 🔊 🔚	111	🔽 🚬 🕜 🖳						
	New Entries:	Overview of Added Entries								
	≫ 56 B B B									
	Manage SAP System	Allases								
	SAP System Alias	Description	Local GW	For Local App	Use Micro Hub	RFC Destination	Software Version	System ID	Client	WS Provider Syster
	CWKCLNT715	Notification provider system				CWKCLNT715_RFC				-
										-

Figure 14 – Create system Alias

12. Select a transport request and click "Save" button.



Figure 15 – Assign transport request

Activate SICF Service for OData V4

- 1. Run transaction code SICF.
- 2. Enter "/sap/opu/odata4" in the Service path field and click "Execute" button.

Define Services	
Filter for Calling ICF Hierarchy	
Hierarchy Type	SERVICE
Virtual Host	
Service Path	/sap/opu/odata4
Service Name	
Reference Service	
Description	
Language	English 💌

Figure 16 – SICF view

3. The screen will display as below:



Figure 17 – Activate SICF service

4. Right click the SICF node and click "Activate Service" item.



Figure 18 – Activate SICF service

5. Click the second "Yes" button.

🔄 Service/Host Edit Goto Client System Help					
♥ < = @ @ @ ≙ # # \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 0 \$					
Define Services					
Create Host/Service 💖 📅 🔁 🗓 🔿 External Allases 🛛 🎊 🏴 System Monitor Active 📲					
Filter Details					
Virtual Host Service Path /sap/opu/odata4					
ServiceName					
Description					
Lang. English V Ref.Service:					
Image: Provide and the services Image: Provide and the services					
Do you want to activate service					
Virtual Hosts / Services					
Concel					
• © opu					

Figure 19 – Activate SICF service

Publish Notification OData Service

OData V4 service /IWNGW/NOTIFICATION_SRV is used to create notification and execute all other task with respect to this notification.

6. Execute "Publish the Notification OData Service' or run transaction code /N/IWFND/V4_ADMIN.

区 Implementation Guide Edit Goto Additional Information Utilities System Help						
🕗 🚺 🔍 🔍 😓 I 😪 😪 I 🚔 🛍 🖀 I 🏝 🛱 💭 💭 🗖 🖳 🗣						
Display IMG						
😻 🔛 📸 Existing BC Sets 🗞 BC Sets for Activity 🖓 Activated BC Sets for Activity 🚹 Release Notes 🛛 Change Log Where Else Used						
Structure						
▼ ¹ / ₆ ∂ SAP Customizing Implementation Guide						
• 🗟 🍄 Activate Business Functions						
✓ SAP NetWeaver						
 SAP Gateway Service Enablement 						
SAP Gateway						
Notification Channel						
Notification Channel Hub						
Connguration Connection Settings						
- [b] ₩ Manage KAD System Aliases						
bo w Manage WebSocket Endonint						
Monitor WebSocket Endpoint						
Ra Manage SMP Destination						
Register SMP Destination						
Regimer 2 Publish the Notification OData Service						
 Administration 						
▼ General Settings						
• 🗟 🍄 Register Notification Store in SSF						
• 🛃 🍄 Maintain Notification Store SSF Settings						
• 🗟 🍄 Enable Sensitive Data Cache on the Hub						
• 🗟 🍄 Clean up Metadata and Data Cache						
Push Channel Settings						
• 🔝 🍲 Activate and Maintain Push Channels						
 Notification Channel Provider Enablement 						

Figure 20 – Display IMG view

7. Click "Publish Service Groups" button.

☞ <u>A</u> dministration System <u>H</u> elp								
🕑 🚺 🚽 🐨 🖓 😪 🗟 📄 🖞 👘 👘 🖏 🎝 🞝 🎝 💭 🐨 🖳								
SAP Gateway Service Administration								
🔁 🛗 😺 🛳 🗞 System Information 🛛 🖳 Erro	or Log 🔗 Routing Configuration 🖥 Publish Servic	e Groups						
My Favorites Service Groups	System Alias Assignments System Alias Default User Role	Services) & Assigned Service Groups) Host Name						
	Available Services	g) & Service Implementation & Metadata 🔒						
	Line Repost Service ID	Versi Description						

Figure 21 – Publish OData Service Groups

8. Select "Local" in the System Alias field.

9. Click "Get Service Groups" button.

_			
	로 Service Publishing System Help		_
		0	-
	SAP Gateway Service Publishing		
2	2 Get Service Groups		
	Filter		
	System Alias 1 LOCAL		
	Service Group ID		
	🕄 🛗 🎼 📕 🔛 🖓 🖽 📕 Vublish Service Groups		
	Not Published Service Groups		
	EX Group ID Repository Service ID	Ver	Description

Figure 22 – Get Service Groups

10. Select "/IWNGW/NOTIFICATION" and click "Publish Service Groups" button.

SAP Gateway Service Pul	blishing					
Get Service Groups						
Filter						
System Alias LOCAL						
Service Group ID						
S 🕅 🕅 🏹 🖬 . 🖽 .	2 BPublish Service Groups					
Not Published Service	Groups					
B Ex., Group ID	Repository Service ID	Ver	Description	Changed by	Date	Time
IVVBEP/TEA			TEA-Services: Test Applications for Framework Te	TRAN	24.11.20	15:56:04
IWBEP/V4_SAMPLE			Sample Basic Service Group for Odata V4	GRUSIE	19.04.20	20:25:48
THAN NOW / NOTIFICATION			Notification Gateway OData exposure	TENNIE	05 02 20	15-14-11

Figure 23 – Publish OData Service Group

11. Click "Save" button.

도 <u>S</u> ervice Publishin	ig S <u>y</u> stem <u>H</u> elp		
0	▼ < E @ @ @ ≙ i i ii 1 î î î î i ≂ E	0	
SAP Gatewa	ay Service Publishing		
😔 Get Service Gro	oups		
Filte 🕞 Publish Ser	vice Group	3	
Sys Ser Description	/IWNGW/NOTIFICATION Notification Gateway OData exposure		
		ן	
Not Publis	shed Service Groups		
E Ex. Group ID /IWBEP/TE /IWBEP/Ve	EA 4_SAMPLE	Ver	Descrip TEA-Se Sample

Figure 24 – Publish OData Service Group

12. Close the popup.

1	년 <u>S</u> ervice Publishing System <u>H</u> elp					
		0				
	SAP Gateway Service Publishing					
	Get Service Groups					
	Filter					
	System Alac					
	System Allas Local					
	Service Group ID					
	Not Published Service Groups					
	E Ex. Group ID Repository. Service ID	Ver	Description	Changed by	Date	Time
	I /IWBEP/TEA		TEA-Services: Test Applications for Framework Te	TRAN	24.11.20	15:56:04
	IVWBEP/V4_SAMPLE		Sample Basic Service Group for Odata V4	GRUSIE	19.04.20	20:25:48
	/IWNGW/NO TIFICATION		Notification Gateway OData exposure	TENNIE	05.02.20	15:14:11
	C Information					

Figure 25 – Confirm the pop up

- 13. Open 'Service Groups" folder.
- 14. Open "/IWNGW/NOTIFICATION" folder.
- 15. Open "Local" folder.
- 16. Open "Available Services" folder.
- 17. Select newly created OData Service /IWNGW/NOTIFICATION_SRV.
- 18. Click "Service Test" button to test the service.

🖻 SAP Gateway Service Administra	ation			
🖉 💽 🖉 🐨 🐨		1 1 I I I I 0	.	
SAP Gateway Service Administrat	tion			
🛃 🛗 琴 🛳 🗞 System Information 🛛 💾 Error	Log & Routing Config	uration 🛛 💽 Publish Ser	rvice Groups	
• My Favorites		🗟 🖉 💼 l 🚱 Availabl	le Services & Assigned Service Groups	
Service Groups Minimum Comparison Service Groups Serv	Selected Syste	em Alias Assignr	ment	
LOCAL	System Alias De	afault User Role	Host Name	
	LOCAL			
		d to Favorites 🖳 Error I	Log & Service Implementation & Met 3 First 1	
	Available Serv	ices - /IWNGW/	NOTIFICATION - LOCAL	
	Line Repost Servic	ce ID	Versi Description	
	I DEFAULT /IWN	GW/NOTIFICATION_SRV	1 Notification Gateway Obate v4 Service	

Figure 26 – Test Service

19. Click "Execute" button.

🔄 SAP Gateway Client Edit Goto Metadata System Help	
🖉 🔄 🔹 🐨 🖌 👻 🐨 🗸) () 💭 🖂 🕲 🖳
SAP Gateway Client	
Execute 🖙 🖘 🖘 Select 🕼 Service Administration 🗞 Service Im	ementation 🚸 EntitySets 🔐 Add URI Option
HTTP Method OGET OPOST OPUT OPATCH OMERGE ODELE	TE Reuse HTTP Connection (e.g. for Soft State)
Request URI /sap/opu/odata4/iwngw/notification/default/iwngw/notificati	on_srv/0001/\$metadata?sap-statistics=true
Protocol OHTTP OHTTPS Test Group	Test Case
	🕄 I 🛗 🏠 I 🗞 Response in Browser 📴 Error Log 🚱 HTTP Header 🗔 Use as Request 🚱 Da
🖉 🗟 🚰 Add File Remove File 🗞 Data Explorer 👔	HTTP Response
HTTP Request	Header Name Value
E Header Name Value	

Figure 27 – Test the Service

20. The connection works well.

SAP Gaten	ay Client							
Secute	🔿 😑 Select 🛛 🎼 Se	ervice Administration 🛛 🗞 Service Im	plementation 🛛 🚸 En	ititySets	Add URI Option			
HTTP Method	●GET ○POST ○	PUT OPATCH OMERGE ODEL	ETE		Re	use HTTP Connection	(e.g. for Soft State)	
Request URI	/sap/opu/odata4/iwngv	w/notification/default/iwngw/notificat	ion_srv/0001/\$metada	ita?sap-stat	istics=true			Multiple Rows
Protocol	⊙HTTP○HTTPS	Test Group	Test C	ase 📃				
	21		3 6 6	° Response	in Browser 🔡 Erro	r Log 🚱 HTTP Heade	er 🔲 Use as Request 🔗 Dat	a Explorer 👔
	Add File Remove I	File 🚱 Data Explorer 👔	HTTP Respo	onse - P	Processing Ti	me = 1975 m	ns, HTTP Overhead	= 45 ms
HTTP Re	auest		Header Name	Value				
	Value		~status_code	200				
Ep Header Name	value		~status_reason	ОК				
		4.1	sap-processing-info	codeploy	red=X			
		A P	consetatietice	awtotal=	1030 mufur=1030	awann=0 icmtotal=10	60 icmrearcy=0 icmeyt=1060	

Figure 28 – Check the status code

Setup Push Channel

Notifications use an ABAP Push Channel to push notifications to the Fiori Launchpad. The recommended approach is to use a WebSocket connection for this purpose. WebSockets establish a bidirectional communication channel between server and client. Using WebSockets a server can push notifications to the client.

1. Execute "Manage WebSocket Endpoint".

년 Implementation Guide Edit Goto Additional Information Utilities System Help
Display IMC
Display 1710
😵 💭 👘 Existing BC Sets 🗞 BC Sets for Activity 🖓 Activated BC Sets for Activity 🚺 Release Notes Change Log Where Else User
Structure
▼ 6∂ SAP Customizing Implementation Guide
• 🕞 🍄 Activate Business Functions
 Migration to SAP S/4HANA Finance
 SAP NetWeaver
 SAP Gateway Service Enablement
 SAP Gateway
Notification Channel
 Notification Channel Hub
 Configuration
Connection Settings
• 🛃 🍲 Manage RFC Destinations
• 🗟 🍲 Manage SAP System Aliases
• 🗟 🕸 Manage WebSocket Endpoint
• 🗟 🍲 Monitor WebSocket Endpoint
・ ஞ 🎶 Manage SMP Destination
・ 👸 🍲 Register SMP Destination
 B 4 Publish the Notification OData Service
 Administration

Figure 29 – Display IMG view

- 2. Enter "NOTIFICATION_PUSH_APC" in Service Name field.
- 3. Click "Execute" button.

🔄 🔄 Program Edit Goto System	Help
🖉 💽 👻 🦷	
Define Services	
2 🕑 🗈	
Filter for Calling ICF Hierarchy	
Hierarchy Type	SERVICE
Virtual Host	
Service Path	
Service Name 🚺	OTIFICATION_PUSH_APC
Reference Service	
Description	
Language	English 🔹
Filter for Detail Information	
Created By	
Created On	to
Last Changed By	
Changed On	to

Figure 30 – SICF view

4. Right click the SICF node.

☐ Service/Host Edit	: <u>G</u> oto <u>C</u> lient S <u>y</u> stem <u>H</u> elp
Ø	💌 🔍 🔄 I 🗞 🚷 I 🗁 🛍 👘 I 🏝 🖆 💭 🖏 🛜 I 🚱 🖳
Define Service	9월 📅 🗗 🗊 ➡ External Alases 🔲 🏷 🍽 System Monitor Active 📲
Filter Details	
Virtual Host	Service Path
ServiceName	NOTIFICATION_PUSH_APC
Description	
Lang.	English Ref.Service:
P Apply	🖥 Reset 📔 Fine-Tune
Virtual Hosts / Services	Documentation Reference Service
 C default_host 	VIRTUAL DEFAULT HOST
🔻 🏵 sap	SAP NAMESPACE; SAP IS OBLIGED NOT T
▼ 🛇 bc	BASIS TREE (BASIS FUNCTIONS)
▼ ③ apc	ABAP Push Channel Framework
• @ iw	ngw Generated APC WebSocket protocol service
• 🕅	New Sub-Element
	Disnby Service
	Delete Service
	Rename Service
	Activate Service
	Deactivate Service
	Test Service
	References to Service
	Obj. Directory Entry
	Qut
	Сору
	Paste

Figure 31 – Activate SICF Service

5. Click the "Yes" button to activate the service.

☞ <u>S</u> ervice/Host <u>E</u> d	it <u>G</u> oto <u>G</u> lient S <u>y</u> stem <u>H</u> elp
Ø	▼
Define Servic	es
Create Host/Service	🦻 📅 🤂 🔢 🔿 External Aliases 🛛 🏷 🍽 System Monitor Active 📲
Filter Details	
Virtual Host	Service Path
ServiceName	NOTIFICATION_PUSH_APC
Description	
Lang.	English V Ref.Service:
P Apply	F Activation of ICF Services
Virtual Hosts / Services	S Do you want to activate service /default_host/sap/bc/apc/iwngw/notification_push_apc?
▼ Sap ▼ Sp bc	Yes I Info X Cancel
▼ Ø apc	ABAP Push Channel Framework
•	P notific Generated APC WebSocket protocol service

Figure 32 – Activate SICF Service

- 6. Select "Notification Channel".
- 7. Select "Notification Channel Hub".
- 8. Select "Administration".
- 9. Select "Push Channel settings".
- 10. Execute "Activate and maintain Push channels".

译 Implementation Guide Edit Goto Additional Information Utilities System Help
🖉 💽 🔽 🕄 😓 🐘 🛗 📫 👘 👘 👘 👘 👘
Display IMG
📚 💭 💼 Existing BC Sets 🛷 BC Sets for Activity 🛷 Activated BC Sets for Activity 🚺 Release Notes Change Log
Structure
SAP Customizing Implementation Guide
• 🗟 🌚 Activate Business Functions
 Migration to SAP S/4HANA Finance
 SAP NetWeaver
 SAP Gateway Service Enablement
 SAP Gateway
 Notification Channel
 Notification Channel Hub
 Configuration
Connection Settings
- Administration
 General Settings
 Push Channel Settings
• 🔯 🊱 Activate and Maintain Push Channels

Figure 33 – Display IMG view

11. Click "New Entries" button.

Zable View	<u>E</u> dit <u>G</u>	oto Selection	Utilitie <u>s</u>	S <u>y</u> stem <u>H</u> e	lp	
Ø		💌 « 📙	😒 🚫 5	🖹 ii 🏠 🗎	89251	P 🛛 🕂
Change Vi	ew "Vie	w for mail	ntenance	e of activa	ted push ch	annels": Over
😚 New Entrie	s 🗈 🗟	s 🗈 🖪	ß			
View for mainte	enance of a	ctivated push cl	nannels			
View for mainte Push channel 1	enance of a ID	Push chann	hannels Is Active?	Created by u	Timestamp of v	when t Cr
View for mainte Push channel	enance of a ID	ectivated push cl Push chann	hannels Is Active?	Created by u	Timestamp of v	when t Cr

Figure 34 – Maintain Push Channels

- 12. Enter SAP_WEBSOCKET as Push Channel ID.
- 13. Specify the sequence number, for example, 10, as the sequence in which the push channel will be processed.
- 14. Activate it and click "Save" button.

¢	<u>T</u> able View	<u>E</u> dit	<u>G</u> oto	Selection	Utilitie <u>s</u>	S <u>y</u> stem	<u>H</u> elp			
	9		•	« 日 I 🜏	R 😪	₽ # #	1	1) I) I) 📮 🚬	0 🖳
	New Entrie	es: 0	vervie	ew of Aa	lded Ent	ries				
e	» 5 B B	R								
	View for mainte	enance (of activat	ted push cha	annels					
	Push channel 1	ID	Pu	sh chann	Is Active?	Created b	y u	Timestam	p of when t.	Ch
	SAP_WEBSOCKE	ET	10							-
										-

Figure 35 – Activate Push Channels

15. Select a transport request and click "Save" button.

回 Implementation Guide Edit Goto Additional Information Utilities System Help	p
	🕜 💻
Display IMG	
😵 🚰 📔 Existing BC Sets 🗞 BC Sets for Activity 🛛 🗞 Activated BC Sets for Activity	i Release Notes
Structure	
SAP Customizing Implementation Guide	
Prompt for Customizing request	
View Maintenance: D / IWNGW/VNPUSHP	
Request S4HK900031 Customizing request	
Request S4HK900031 Customizing request Short Description wilsontest	
Request S4HK900031 Short Description wilsontest Image: Custom	
Request S4HK900031 Customizing request Short Description wilsontest Image: Contraction of the second	
Request S4HK900031 Customizing request Short Description wilsontest Image: Customizing request Image: Customizing request Administration Image: Customizing request Administration Image: Customizing request Image: Customizing request Image: Customizing request <tr< td=""><td></td></tr<>	
Request S4HK900031 Customizing request Short Description wilsontest Image: Customizing request Image: Customizing request Aurnimistration Image: Customizing request Image: Customizing request Image: Customizing request Aurnimistration Image: Customizing request Image: Customizing request Image: Customizing request <	

Figure 36 – Assign transport request

In this session, you can find the information about configuring Notification Provider. Notification Provider Provides notification content to the Notification Hub. In this example, we use SAP Business Workflow to provide notifications.

¹ Note	•	The configuration in this chapter should be performed in the Backend system.
-------------------	---	--

Register the Notification Provider System with the Notification Hub System

- 1. After login to the Backend system, run transaction code SPRO.
- 2. Select "SAP Customizing Implementation Guide".
- 3. Select "SAP NetWeaver".
- 4. Select "Notification Channel".
- 5. Select "Notification Channel Provider Enablement".
- 6. Select "Configuration".
- 7. Select "Connection Settings".
- 8. Execute "Enter the Backend System Alias".

៤ Implementation Guide Edit Goto Additional Information Utilities System Help
🖉 🔍 🔍 🔜 I 😪 😪 I 🚔 🛗 🔛 I 🏝 🕆 🖨 💭 💭 I 😨 💭
Display IMG
😵 💭 📫 Existing BC Sets 🗞 BC Sets for Activity 🦂 Activated BC Sets for Activity 🚺 Release Notes Change Log Where Else Us
Structure
✓ [3] SAP Customizing Implementation Guide
• 🔂 😡 Activate Business Functions
✓ SAP NetWeaver
 SAP Gateway Service Enablement
SAP Gateway
Notification Channel
Notification (channel Hup Notification (channel Purification)
Configuration Configuration
Connection Settions
Rade Manage Notification Channel Hub REC Destination
Enter the Backend System Alias
Enter the Notification Hub RFC destination
Create bgRFC Destination
• 🗟 🍄 Register RFC Destintation for Background Processing
• 🗟 🍄 Create bgRFC Supervisor Destination
• 🗟 🍄 Monitor bgRFC Queues
Administration
Notification Provider Settings
• 👸 🦃 Register Notification Providers
66 W Manage Notrication Providers
Kohila Informative
Application Server
 Knowledge Management
Search and Operational Analytics

Figure 37 – Display IMG view

9. Enter the system alias that points to the backend system. The system alias is created in the Hub system. If you are in Embedded scenario, please Enter "Local" here.



Figure 38 – Enter the Backend System Alias

10. After executing, the screen will display as below:



Figure 39 – Backend System Alias successfully maintained

11. Execute "Enter the Notification Hub RFC Destination".

☞ Implementation Guide Edit Goto Additional Information Utilities System Help
🖉 🔄 👻 😌 🔚 🛛 😒 😂 🛗 🛗 🛗 🖆 🔹 🖘 💭 🗐 💭 💭
Dimber THO
Display IMG
😽 🗓 📫 Existing BC Sets 🗞 BC Sets for Activity 🖓 Activated BC Sets for Activity 🚺 Release Notes Change Log Where Else Used
Structure
SAP Customizing Implementation Guide
• 🗟 🍄 Activate Business Functions
 Migration to SAP S/4HANA Finance
SAP NetWeaver
SAP Gateway Service Enablement
SAP Gateway
Notification Channel Notification Channel Hub
Notification Channel Provider Enablement
Configuration
Connection Settings
Barrier State Control - Contro
• 🗟 🅸 Enter the Backend System Alas
• 🗟 🍄 Enter the Notification Hub RFC destination
• 🛃 🀼 Create bgRFC Destination
• 👌 ゆ Register RFC Destintation for Background Processing
• 👸 🍪 Create bgRFC Supervisor Destination
• Ga 🐶 Monitor bgRFC Queues
Administration Administration
Noulication Provider Notification Provider
A Register Notification Providers
UI Technologies
General settings
Mobile Infrastructure
▶ I ₆₃ Business Warehouse
Los Application Server
▶ 153 Knowledge Management
 Search and Operational Analytics

Figure 40 – Display IMG view

12. Enter the system alias that points to the Notification Hub system. The system alias is created in the Backend system. If you are in Embedded scenario, please Enter "None" here.



Figure 41 – Enter the Notification Hub RFC Destination

13. After executing, the screen will display as below:

🖙 List	<u>E</u> dit	<u>G</u> oto	S <u>v</u> stem	Help
 [] 			• «	등 😪 😪 🚔 🎁 🎼 🏝 🏗 🖡 🏝 🥽 📰 🥹 🖳
Ente	r the	SAP (Gatewa	y Hub RFC destination
Enter th	he SAP	Gatewa	y Hub RFC	destination
Update 1	to Gat	eway Hul	b system	RFC Destination complete

Figure 42 – Notification Hub RFC Destination successfully maintained

14. Execute "Create bgRFC Destination".

ビ Implementation Guide Edit Goto Additional Information Utilities System Help	
🖉 💽 🖬 🔜 🔍 😪 😓 🛛 🆓 👘 👘 🖏 🖘 🗊 💭 🐷 🖉 🖳	
Display IMG	
📚 👫 Existing BC Sets 🔗 BC Sets for Activity 🔗 Activated BC Sets for Activity 🚺 Release Notes	s
Structure	
 SAP Customizing Implementation Guide 	
• 🗟 🐼 Activate Business Functions	
 Migration to SAP S/4HANA Finance 	
 SAP NetWeaver 	
 SAP Gateway Service Enablement 	
 SAP Gateway 	
Notification Channel	
Notification Channel Hub	
B Manage Notification Channel Hub REC Destination	
B Enter the Backend System Alias	
Enter the Notification Hub RFC destination	
Create bgRFC Destination	
 Register RFC Destintation for Background Processing 	
 R Create bgRFC Supervisor Destination 	
• 🗟 🍛 Monitor bgRFC Queues	

Figure 43 – Display IMG view

15. After executing, the screen will display as below:

면 <u>R</u> FC <u>E</u> dit <u>G</u> oto Extr <u>a</u> s Utilitie <u>s</u> System	m <u>H</u> elp
🖉 💭 🐨 🔄 🔍 😒) 🚔 🛍 🖄 I 🏝 🛱 I 💭 🌄 I 🎯 💻
Configuration of RFC Connections	7
🕤 Generate RFC Callback Positive Lists 🛛 🚟 Activate	e Non-Empty Whitelists $rightarrow$ Positive List for Dynamic Connections
₩○○ RFC callback check not secure	
∄₩```/ &`@`	
RFC Connections	Ty PL Comment
ABAP Connections	3
HTTP Connections to External Server	G
HTTP Connections to ABAP System	н
Internal Connections	I
Logical Connections	L
 TCP/IP Connections 	т
Connections Using ABAP Driver	x

Figure 44 – Create bgRFC Destination

16. Click "Create" button.



Figure 45 – Create bgRFC Destination

- 17. Enter the exact name IWNGW_BGRFC and choose connection type 3.
- 18. Click "Save" button.

<u>Connection</u>	<u>E</u> dit	<u>G</u> oto	Extr <u>a</u> s	Utilitie <u>s</u>	System	Help
9		3		🗟 🚫 🐼	1 🖶 🕅	🐕 🎝 🛱 💭 🎝 🌄 🖻 🚱 🖳
RFC Desti	natio	n				
Connection Te	st Fas	t Serializa	ation Test	6 9 /		
RFC Destination		IWNG	W_BGRF	С		
Connection	2	3 🔾 lew	Entry			Description
Description						
Description 1						
Description 2						
Description 3						

Figure 46 – Create bgRFC Destination

- 19. Open "Special Options" tab.
- 20. Select "Classic with bgRFC".

RFC Destination IWNGW_BGRFC	
temote Logon Connection Test Unicode Test Fast Serialization Test 🂖	
RFC Destination INVINGW_BGRFC Connection Type 3 ABAP Connection Description	
Description	
Description 1	
Description 2	
Description 3	
Administration Technical Settings Logon & Security Ur Special Options	
Trace Export Methods	*
Default Gateway Value	~
OExport Trace	
ODo Not Export Trace	
Keep-Alive Timeout	
ODefault Gateway Value	
O Timeout Inactive	
OSpecify Timeout 300 Defined Value in Seconds	
Calact Dratacal	
Tensfer Desteral	
basXML	
Compatibility Mode for New Child Charles with happe	
Classic with bgk+C Stringent Interface Checkment Classic with tRFC	
O Tolerant Interface Check (Like New fast serialization	

Figure 47 – Select Protocol

21. Read the warning message and click the "Yes" button.



Figure 48 – Read the warning message

22. Click "Save" button.

로 <u>C</u> onnection <u>E</u> dit <u>G</u> oto Extr <u>a</u> s Utilitie <u>s</u> System <u>H</u> elp
🖉 💽 🐨 🔜 🐨 😓 🖄 🛗 🖆 💭 🐨 🔛 🐨 🖳
RFC Destination IWNGW_BGRFC
Remote Logon Connection Test Unicode Test Fast Serialization Test
RFC Destination IWNGW_BGRFC
Connection Type 3 ABAP Connection Description
Description
Description 1
Description 2
Description 3
Administration Technical Settings Logon & Security Unicode Special Options
Trace Export Methods

Figure 49 – Generate the role profile

23. Click "Connection Test".

Connection Edit Goto Extras Utilities System Help
📀 📃 💌 🔛 🛛 😪 😪 🗠 🛗 🛗 🖆 🕂 🎝 🗐 🥃 🔛
RFC Destination IWNGW_BGRFC
Remote Logon Connection Test Unicode Test Fast Serialization Test 🈚
RFC Destination IWNGW_BGRFC Connection Type 3 ABAP Connection Description
Description Description 1
Description 3
Administration Technical Settings Logon & Security Unicode Special Options

Figure 50 – Test connection

24. Make sure the connection works well.

🖙 <u>L</u> ist <u>E</u> dit <u>G</u> oto	<u>S</u> ettings S <u>v</u> stem	Help
Ø	🔹 « 📄 🕷 (🔉 😪 🚔 前 路 第 章 兵 第 🧊 🐷 📀 🖳
RFC - Connecti	on Test	
Connection T Connection Type SAP Co		BGRFC
Action	Result	
Logon	10 msec	
Transfer of 0 KB	1 msec	
Transfer of 10 KB	1 msec	
Transfer of 20 KB	1 msec	
Transfer of 30 KB	1 msec	

Figure 51 – Test connection

25. Execute "Register RFC Destination for Background Processing".

다 Implementation Guide Edit Goto Additional Information Utilities System Help
🖉 🔄 👻 😌 🔄 😓 🐘 🐘 🔹 🔹 🛼 🗐 🖓 🖳
Display IMG
😽 📰 📫 Existing BC Sets 🔗 BC Sets for Activity 🔗 Activated BC Sets for Activity 🚺 Release Notes Change Log Where Else Used
Structure
▼ 🕞 SAP Customizing Implementation Guide
• 🗟 🍄 Activate Business Functions
 Migration to SAP S/4HANA Finance
✓ SAP NetWeaver
SAP Gateway Service Enablement
SAP Gateway
Notification Channel
Notification Channel Hub
Notification Channel Provider Enablement
Connguration
Connection Settings Do Manager All Market Proceedings
• [6] (Change Notification Channel Hub R-C Destination
Clob w Enter the Backenia System Allas
160 Generate upin C Destination for Background Processing
Cost Cost Cost Cost Cost Cost Cost C
A monter barREC Queues
Administration

Figure 52 – Display IMG view

26. Click "Define Inbound Dest." tab.

Configuration Edit	<u>G</u> oto S <u>y</u> stem <u>H</u> elp)		
	🔹 🖉 🔜 🖉	👷 l 🖨 🖞 👘 l 🎝 🗘 💭	🔹 🌄 🖂 🕜 🖳	
baRFC Configur	ation			
ight o configur				
Scheduler: System	Scheduler: App. Serve	r Scheduler: Destination	Define Inbound Dest.	Define Supervisor De
				3
Can arel Curtare Catting				
General System Setting				
No. of Log Messages	1.000			
Log Lifetime (h)	120			
Supervisor Srv. Grp				
Outbound				
Compression On				
Unit Delete Time (s)	3.600			
Inbound				
Compression On				
Unit Delete Time (s)	3.600			
Last Changed				
Outbound		Inbound		
User Name		User Name		
Client ID		Client ID		
Current Date		Current Date		

Figure 53 – Define Inbound Dest.

27. Click "Create" button.

Configuration Edit Goto System	n Help
bgRFC Configuration	
Scheduler: System Scheduler: Ap	pp. Server Scheduler: Destination Define Inbound Dest. Define Supervisor Dest.
Destination	
	Logon/server group
·	
	▼
	New Prefix

Figure 54 – Create Inbound destination

- 28. Enter the destination name "IWNGW_BEP_OUT_BGRFC'.
- 29. Create a new prefix with the value Q and click "Save" button.

C Configure Inbound Destination			×
Inb. Dest. Name 1 IWNGW_BEP_OUT_E	BGRFC		
Logon/server group		Previously Used Queue Prefixes	
Queue Prefixes	• •		
Add Queue Prefix	• • •		* *
Add			4 Save 🗙

Figure 55 – Add prefix

30. Click "Save" button.

Configuration Edit Goto Syste	m Help 🔞 😪 🗣 🗁 🖞 👘 🎝 🏠 🎝 🎝 🏹 🔽 🎯 💻
bgRFC Configuration	
Scheduler: System Scheduler: A	pp. Server Scheduler: Destination Define Inbound Dest.
	_
Destination	IWNGW_BEP_OUT_BGRFC
IWNGW_BEP_OUT_BGRFC	Logon/server group
-	·
	Prefixes
	•
	▼

Figure 56 – Save the changes

31. Execute "Create bgRFC Supervisor Destination".

Implementation Guide Edit Goto Additional Information Utilities System Help
🖉 💽 🖬 🧮 🕄 🕞 😓 😒 😓 🖌 🛗 🗳 🔹 💭 💭 🐨 🐨 🐨
Display IMG
📚 👫 🕆 Existing BC Sets 🔗 BC Sets for Activity 🔗 Activated BC Sets for Activity 🚺 Release Note
Structure
 SAP Customizing Implementation Guide
• 🗟 ি Activate Business Functions
 Migration to SAP S/4HANA Finance
 SAP NetWeaver
 SAP Gateway Service Enablement
 SAP Gateway
Notification Channel
 Notification Channel Hub
 Notification Channel Provider Enablement
Configuration
Connection Settings Connection Chapped Live REC Destination
Create baREC Destination
Register RFC Destintation for Background Processing
Create bgRFC Supervisor Destination
Ba 🐼 Monitor bgRFC Queues
Administration

Figure 57 – Display IMG view

32. Click "Define Supervisor Dest." tab.

	🔻 🔚 🜏 🚱	a i 🗁 🖞 👘 i 🖏 i 🖏	11 11 1 🖬 🖬 🛛	.	
haDEC Configur	ntian				
ykrc connyun	alion				
Scheduler: System	Scheduler: App. Server	Scheduler: Destin	ation Define Inbound D	est. Define Supervisor Dest.	
_					
General System Setting	s				
No. of Log Messages	1.000				
Log Lifetime (h)	120				
Supervisor Srv. Grp					
Outbound					
Compression On					
Unit Delete Time (s)	3.600				
Inbound					
Compression On					
Unit Delete Time (s)	3.600				
Last Changed					
		Inhound		1	
User Name		Lisor Name			
Client ID		Client ID			
Current Date		Cuerto Data			
Current Date		Current Date			

Figure 58 – Define Supervisor Dest.

33. Click "Create" button.

¢	<u>C</u> onfiguration	<u>E</u> dit	<u>G</u> oto S <u>v</u> stem <u>H</u> elp	
(>		💌 « 🔚 I 🐟 😪 I 🚔 🛗 🞼 I 🏝 🏝 🎝 🎝 I 💭 🔽 I 🚱 🖳	
	bgRFC Con	figur	ation	
	Scheduler: S	System	Scheduler: App. Server Scheduler: Destination Define Inbound Dest. Define Supervisor Dest.	l
	New Supervisor	r Destina	tion	
	Destination			
	Defined Superv	isor Des	cination	
	Destination			
	Last Changed			
	User Name			
	Client ID			
	Changed On			
	Changed At		00:00:00	

Figure 59 – Create Supervisor Destination

- 34. Enter the Destination Name "BGRFC_SUPERVISOR".
- 35. Enter the User Name "BgRFC_user".
- 36. Select "Create User".

译 <u>C</u> onfiguration <u>E</u> dit <u>G</u> oto S <u>v</u> stem <u>H</u> elp	
bgRFC Configuration	
Create RFC Destination for Supervisor	
Destination	
Destination Name BGRFC_SUPERVISOR	
Create User 3	
User Name 2 BgRFC_user	
Generate Password	
Save 🗶	

Figure 60 – Create Supervisor Destination

- 37. Select "Generate Password".
- 38. Click "Save" button.

bgRFC Configuration	
C Create RFC Destination for Supervisor	Dund Dest. Define Supervisor Dest.
Destination	
Destination Name BGRFC_SUPERVISOR	
User	
Create User	
User Name BGRFC_USER	
Generate Pass	
Changed Ac 00.00.00	

Figure 61 – Generate password

39. Click "Save" button.

bgRFC Confi	iguration
-	-
Scheduler: Sy	stem Scheduler: App. Server Scheduler: Destination Define Inbound Dest. Define Supervision
New Supervisor [Destination
Destination	
0000000	
Defined Supervise	or Destination
Destination	
Last Changed	
User Name	
Client ID	
Changed On	
Changed At	00:00:00

Figure 62 – Save Supervisor Destination

Register and Activate Notification Provider

There are many Notification providers to provide the notifications, in this example, I will configure two Notification providers, one is a Demo Notification Provider for testing the Notification Channel, the other one is a standard SAP Business Workflow Notification Provider delivered by SAP.

1. Execute "Register Notification Provider".



Figure 63 – Display IMG

2. Click "Create" button.

C	Provider Registry Sy	stem Help	x ; l - i i i i i i i i i i i i i i i i i i i	D 두 E 🖗 🖳				
	Backend Notific	ation Provider	Registration					
4	3							
	9 2 7 M (1) 7 . b . =						
	Reg. Provider	-						
E	Line Provider ID		Provider Class	Description	Created by	Create Date	Changed by	Change Date
	1 SAP_BUSINESS_	WORKFLOW	CL SWF PUSH NOTIF PROVIDER	Business Workflow Notification Provider	SAP	03.05.20 1		27.04.20 2

Figure 64 – Create a new entry

- 3. Enter the Provider ID ZIWNGW_DEMO1, please put a letter "Z" before "IWNGW_DEMO1" or you will get error when assign it to a package in the following step.
- 4. Select "/IWNGW/CL_DEMO_NOTIF_PROVIDER".
- 5. Enter the "Description".
- 6. Click "Save" button.

1	Backend Notificat	tion Provider Registration					
Ð	ð						
	🖻 Register Provider		×				
	Provider ID	ZIWNGW_DEMO1					
B	Provider Class	/IWNGW/CL_DEMO_NOTIF_PROVIDER		Created by	Create Date	Changed by	Change Date
			ion Provider	SAP	03.05.20 1		28.04.20 1
	Description	demo notification	<u> </u>				

Figure 65 – Register the Notification Provider

7. As this is a demo provider to test the Notification Channel, you can assign it to a local object, if you want to transport to the other system, you can assign it to your transportation package.

Backend N	lotification Provider Registration				
Ð					
Reg. Prov	다	×			
Line Provider	Object R3TR IWNG ZIWNGW_DEMO1	ow Notification Provider	Created by SAP	Create Date Changed by 03.05.20 1	Change Date 28.04.20 1
	Attributes				
	Package [#TMP				
	Person Responsible				
	Original System S4H				
	Original language EN English Created On				
	📙 Local Object 💁 Lock Overview				

Figure 66 – Assign package

8. Execute "Manage Notification Provider".

ご Implementation Guide Edit Goto Additional Information Utilities System Help	
🖉 💽 🐨 🥃 🔛 🖓 😭 🚔 🛗 📸 🕸 🎝 🎝 🗐 💭 💌	
Display IMG	
😻 📮 📫 Existing BC Sets & & BC Sets for Activity & & Activated BC Sets for Activity 🚯 Release Notes Change Log Whe	ere Else Used
Structure	
SAP Customizing Implementation Guide	
• 🗟 🍄 Activate Business Functions	
 Migration to SAP S/4HANA Finance 	
 SAP NetWeaver 	
 SAP Gateway Service Enablement 	
 SAP Gateway 	
 Notification Channel 	
 Notification Channel Hub 	
 Notification Channel Provider Enablement 	
 Configuration 	
 Administration 	
 Notification Provider Settings 	
• 🗟 😰 Register Notification Providers	
Kanage Notification Providers	
Bar Register Notification Providers Bar Manage Notification Providers	

Figure 67 – Display IMG view

9. Click "New Entries" button.

		• <	× 🖪	🗟 🚷 😪	I 🔒 ñ iù	111	۱ 🕄 🕻		@ 🖳
Change	View "V	liew fo	or ma	aintenan	ce of acti	vated i	otificat	tion p	voviders'
Now E	ntring ID F			R					
New E	ntries	0		₿					
New E	ntries	f activate	ad notif	fication provid	lers				
New E /iew for m Notificatio	ntries 🗈 E aintenance of n Provider ID	f activate	ad notif	fication provid Is Active?	lers Created by	u Time	stamp of w	hen t	Ch:

Figure 68 – Create a new entry

- 10. Enter "ZIWNGW_DEMO1".
- 11. Activate it and save.

Table View Edit	Goto Selection	Utilitie <u>s</u>	S <u>v</u> stem <u>H</u> elp		
Ø	🔹 « 📙 🜏	2 🚫 😡 🛛	🖹 i 🕅 ii 🗧) 🔁 💭 🎝 🕽 🗮 🗖 🕻	e 🖷
New Entries: Ov	erview of Ad	lded Ent	ries		
🂖 🖥 🖪 🖪 🖪					
View for maintenance of	activated notificati	ion providers			
Notification Provider ID	I	s Active?	Created by u	Timestamp of when t	Chi
ZIWNGW_DEMO1		\checkmark			A
					T

Figure 69 – Activate the Notification Provider

12. Click "Save" button.

• « 日 🤇		D 00 00 1 40		
	S 📉 🐼 🗆	🚔 (1) (1) (1) 其	ן 🔁 🄁 ו 🗱 🗘 🔁 ו	🕜 🛄
w for main	ntenance	of activat	ed notification p	providers"
S B B	4			
ctivated notificat	tion providers			
	Is Active?	Created by u	Timestamp of when t	Chi
N	<		20.170.428.104.213	13: *
7			20.170.428.104.450	13: 👻
	w for main	for maintenance for maintenance for the second secon	v for maintenance of activate v for maintenance of activate s ctivated notification providers Is Active? Created by u	w for maintenance of activated notification provides Is Active? Created by u Timestamp of when t 20.170.428.104.213 V 20.170.428.104.450

Figure 70 – Save the changes

Enable Workflow and Task to Push Notifications



🔄 <u>P</u> rogram	<u>E</u> dit <u>G</u> oto	S <u>v</u> stem <u>H</u> elp					
Ø		🔹 😓 🔝 🕞 🚍 🖌	1 (6 I C	ាមមាន) 📮 🗷	🕐 🖳	
Display A	Activation	of Push Notifications	for Tas	sks and	Steps		
🦻 i 🗖	Provider						
	Actions Notifi	cation texts 🥞 🚢 ᄛ 🛗	r .				
Task number	Step	Object name	Active	Groupable	Actions	Texts	
WS00400011	13	Release for Payment: Level 1	v			♦	-
WS00400021	13	Release for Payment: Level 1	\checkmark			$\overline{}$	Ŧ
WS00400021	32	Release for Payment: Level 2	\checkmark			\bigcirc	
WS00400022	13	Release for Payment: Level 1	\checkmark			$\overline{}$	
WS00400022	32	Release for Payment: Level 2	\checkmark			\bigcirc	
WS00400022	71	Release for Payment: Level 3	\checkmark			\bigcirc	
WS00500001	19	Review and Complete initial Re	\checkmark	 Image: A start of the start of			
WS00500001	306	Review and Complete Deviation	\checkmark	<		\bigcirc	
WS00500002	30	Decide if data to be taken ove	\checkmark	 Image: A set of the set of the			
WS00500002	81	Take over data using Dialog	\checkmark	<		\bigcirc	
WS00500003	2	Approve incident reports	\checkmark	 Image: A set of the set of the	♦		
WS00500005	11	Execute Incident Action	\checkmark	✓			
WS00500005	17	Determine if Incident Action is	\checkmark	✓	♦		
WS00500005	21	Handle Rejection of Implement	\checkmark	<			

Figure 71 – Run transaction code SWF_PUSH_NOTIF1

- 4. Click "Change" button to change to edit mode.
- 5. Click "Create New Entry" button.

		•						
¢	<u>P</u> rogram <u>E</u> dit	<u>G</u> oto Sy	<u>/</u> stem <u>H</u> elp					
Ø	[•]	« 🔚 I 🗟 🚫 💽 I 🖨 🕅 🕯	100	001			
С	hange Acti	ivation of	f Push Notifications fo	or Tasks	and St	eps		
63,		der						
		Jei						
	🗅 💼 🖶 A	ctions Notifi	cation texts 🕄 🚢 🚍 🛗	10 T				
屘	Task number	Step	Object name	Active	Groupable	Actions	Texts	
	WS00400011	13	Release for Payment: Level 1	\checkmark			♦	-
	WS00400021	13	Release for Payment: Level 1	\checkmark			♦	-
	WS00400021	32	Release for Payment: Level 2	\checkmark				
	WS00400022	13	Release for Payment: Level 1	\checkmark				
	WS00400022	32	Release for Payment: Level 2	\checkmark				
	WS00400022	71	Release for Payment: Level 3	\checkmark				
	WS00500001	19	Review and Complete initial Re	\checkmark	✓			
	WS00500001	306	Review and Complete Deviation	 Image: A start of the start of	✓			
	WS00500002	30	Decide if data to be taken ove	\checkmark	<	\bigcirc	♦	11

Figure 72 – Create a new entry

6. Create a new entry for the task or the workflow step that you want to create notifications for.

¢	<u>P</u> rogram <u>E</u> dit	<u>G</u> oto Sy	<u>ı</u> stem <u>H</u> elp					
<		•	« 日 I 😞 🔕 s I 🖨 ñi fi	122	001			
	Change Act	ivation of	Duch Natifications fo	vr Tacka	and Ch			
-	Jiange Acu		Push Nouncations it	n Tasks	anu Su	eps		
69	👂 📘 🔲 Provi	der						
		ctions Notifi	cation texts 🕄 🚢 🚍 🚻	r 1				
₽	Task number	Step	Object name	Active	Groupable	Actions	Texts	
	WS00600092	121	Controls are not effective	\checkmark	✓		♦	*
	WS00600093	8	Review Results of Control Eval	\checkmark	✓			Ŧ
	WS00800018	11	Implement action for risk asses	\checkmark	✓			
	WS00800018	17	Determine if action has been c	\checkmark	✓			
	WS00800018	21	Handle Rejection of Implement	\checkmark	<			
	WS00800018	28	Redetermine implementor for	<	<			
	WS00800019	106	(UI) Determine if action is com	<	<			
	WS00800028	12	Approve risk assessment	<	✓			
	WS00800029	29	Review and Completion of RAS	v	<			
	WS00800031	74	Notify RAS approval declined		<			
	WS00800031	86	Approval overdue	v	Image: A state of the state			
	WS00800031	91	Notify RAS approval is successful	Image: A start of the start	Image: A state of the state			
	WS00800049	50	Review control evaluation	Image: A start of the start	 Image: A start of the start of			
	WS00800049	55	Review risk assessment	 Image: A start of the start of	 Image: A start of the start of			
	WS00800254	43	Execute Scenario Action	 Image: A start of the start of	Image: A state of the state			
	WS00800254	57	Handle Rejection of Implement	Image: A start of the start	Image: A state of the state			
	WS00800254	83	Determine if Scenario Action is	Image: A state of the state	Image: A state of the state			
	WS00800254	114	Redetermine Implementor for	Image: A state of the state	 Image: A state of the state of			
	WS1000052	3	Release level 1	Image: A state of the state	Π			
	WS1000053	3	Release level 1	<			•	
	WS1000053	12	Release level 2	<			•	
	WS1000054	3	Release level 1	Image: Control of the second secon	П		•	
	WS10000054	12	Release level 2	Image: A state of the state	Π			
	WS1000054	19	Release level 3	<			•	
	WS3000015	48	Approve notification of absence	Image: A state of the state	Π		•	
	WS3000015	53	Notification of Absence Reject					
	WS3000015	58	Revise Notification of Absence					
	WS30100051	4	User decision					
	WS50000015	12	Decide Document Approval	<u> </u>			<u> </u>	
	WS77400589	4		<u> </u>			•	-
	WS30000015	∄ 48					•	Ŧ
							4 2	
							• •	

Figure 73 – Create a new entry

Task Number: enter a Task or Workflow.

Step: If you enter a task in the "Task Number" Field, this field will be disabled. If you enter a Workflow in the "Task Number" Field, please define a step to create notifications. If you want to have notifications for more than one steps, you need to create a new entry for each step of the workflow.

Active: if you set the "Active" flag, push notification will be enabled.

Groupable: it defines whether the notifications can be grouped by type or not. It determines whether group texts can be maintained or not.

- 7. Click "Save" button.
- 8. To make the changes you have made to your workflow visible in your SAP Fiori Launchpad, you must refresh the cache in transaction /IWNGW/H_CLEAR_CACHE.

Schedule Workflow Job SWWDHEX

We have activated the SAP Business Workflow Notification Provider and define which steps or tasks to send notifications in Transaction code SWF_PUSH_NOTIF1.

Next, we will schedule the job SAP_WORKFLOW_PUSH_NOTIFICATION and SWWDHEX to create notifications. As the job SAP_WORKFLOW_PUSH_NOTIFICATION is scheduled by default, I will explain how to schedule the job SWWDHEX.

1. Run transaction code SWU3 to check whether SWWDHEX is scheduled or not.



Figure 74 – Run transaction code SWU3

- 2. If the "Schedule Background Job for Workflow Deadline Monitoring" is in error status, please select it and click "Execute" button. Or run transaction code SWWA.
- 3. Click "Save and Schedule" button.



Figure 75 – Schedule the job SWWDHEX

SAP Fiori Launchpad can consume notifications from the SAP Gateway Notification Channel. The SAP Gateway Notification Channel is a framework for applications to deliver notifications to end users through various channels. Notifications are disabled by default in the Launchpad, and none of the notification-related UI elements are made visible to the user. This topic describes how to configure the notification parameters in the Launchpad to enable the required service and UI elements.

¹ Note

The configuration in this chapter should be performed in the Hub system.

Enable Notification in Fiori Launchpad

•

SAP delivered two example configuration files containing notifications settings which can be found in the ushell resources:

notifications enabled without preview: /sap/bc/ui5_demokit/testresources/sap/ushell/demoapps/LaunchpadConfigFileExamples\EnableFiori2WithoutNotificationPreview.json

notifications enabled including preview: /sap/bc/ui5_demokit/testresources/sap/ushell/demoapps/LaunchpadConfigFileExamples\EnableFiori2WithNotificationPreview.json

- 1. Run transaction code SICF.
- 2. Enter "/sap/bc/ui5_demokit".
- 3. Click "Execute" button.

🔄 <u>P</u> rogram <u>E</u> dit <u>G</u> oto S <u>v</u> sten	n <u>H</u> elp	
🖉 🔍 👻		
Define Services		
🚱 i		
Filter for Calling ICF Hierarchy		
Hierarchy Type	SERVICE	
Virtual Host		
Service Path	/sap/bc/ui5_demokit	
Service Name		
Reference Service		
Description		
Language	English	
Filter for Detail Information		
Created By		
Created On	to	
Last Changed By		
Changed On	to	

Figure 76 – 1. Run transaction code SICF

4. After executing, the screen will display as below.

Define Services	
Create Host/Service 😚 📅 🔁 🗓 🔿 External Aliases 🛛 🏹 🍋 System Monitor Active 📑	
Filter Details	
Virtual Host Service Path /sap/bc/ui5_demokit	
ServiceName	
Description	
Lang. English VRef.Service:	
P Apply Reset Pine-Tune	
Virtual Hosts / Services Documentation Reference Service	
C default_host VIRTUAL DEFAULT HOST	
▼ Sap SAP NAMESPACE; SAP IS OBLIGED NOT T	
bc BASIS TREE (BASIS FUNCTIONS)	
• 😰 uS_demokit_ SAPUIS demokit_	

Figure 77 – Activate the SICF service

- 5. Right click the SICF node.
- 6. Click "Activate Service" item.

Define Servi	25		
Create Host/Service	😚 📅 🔁 🗓 🔿 External Aliases 🛛 🎊 🏴 System Monitor Active 📲		
Filter Details			
Virtual Host	Service Path /sap/bc/ui5_demokit		
ServiceName			
Description			
Lang.	English Ref.Service:		
P Apply	Reset Pine-Tune		
Virtual Hosts / Servic	Bocumentation Reference Service		
CAR NAMERDAEL CAR IS OF ICED NOT T			
• 💬 sap	SAP NAMESPACE; SAP IS OBLIGED NOT 1 BASIS TREE (BASIS FILMETIONS)		
• 🕅 💵			
	New Sub-Element		
	<u>D</u> isplay Service		
	<u>D</u> elete Service		
	Rename Service		
	Activate Service		
	Deactivate Service		
	Test Service		
	References to Service		
	Obj. Directory Entry		
	Qut		
	Copy		
	Paste		



7. Click "Yes" button to activate the service.

Fiz Sanira/Hast Edit Gata Client System Hala
C Servesulos: Foir Coo Ciente Arstein Teh
Define Services
Create Host/Service 🤣 📅 🔁 🗓 🔿 External Allases 🛛 🎇 🏁 System Monitor Active 📑
Filter Details
Virtual Host Service Path /sap/bc/ul5_demokit
ServiceName
Description
Lang. English Ref.Service:
Project Provided
Virtual Hosts / Services Do you want to activate service Virtual Hosts / Services /default_host/sap/bc/ui5_demokit?
v (Sap v (Sap)v (Sap v (Sap)v (Sap v (Sap v (Sap
• 😒 ui5_demokit SAPUI5 demokit

Figure 79 – Activate the SICF service

- 8. Add "sap-ushell-config-url=/sap/bc/ui5_demokit/testresources/sap/ushell/demoapps/LaunchpadConfigFileExamples/EnableFiori2WithNotificationPreview.js on" after the URL to reference the configuration file.
- 9. Refresh the browser, you will see the Notification button.

$\leftarrow \rightarrow$	C	A Not secure :hells;	/abap/FioriLaunchpad.htm /sap-ushell-config-url=/sap/bc/ui5_demokit/test-resources/sap/ushell/demoapps/LaunchpadConfigFileExamples/EnableFiori2WithNotificationPreview.json#Shell-h	ome ☆	8 (*)		:
	8	SAP	Home		۹ (y.	
		My Home Web I	Dynpro Apps				
	,	My Home					
	;	My Inbox All Items					
		⊻ 11					
	١	Web Dynpro Apps					
	ł	Hello World Web Dynpro Applica					
							Ľ

Figure 80 – Reference configuration file in the URL

i	•	Notifications enabled without preview: /sap/bc/ui5_demokit/test- resources/sap/ushell/demoapps/LaunchpadConfigFileExamples\EnableFiori2WithoutNotificatio nPreview.json
Note	•	Notifications enabled including preview: /sap/bc/ui5_demokit/test- resources/sap/ushell/demoapps/LaunchpadConfigFileExamples\EnableFiori2WithNotificationPr eview.json

As we have finish the configuration, we will test the Notification next.

 Before testing, please make sure the following two notes have been applied in your system: <u>2370445 – Push notification is not sent</u> <u>2417986 – Notifications not displayed</u>

Test the Demo Notification Provider IWNGW_DEM01

- 1. Run transaction code /N/IWNGW/BEP_DEMO.
- 2. Enter the Provider ID "ZIWNGW_DEMO1".
- 3. Enter the user that you want to send notification.
- 4. Click "Execute" button.

Test Create Notification			
•			
Notification Type			
Leave Request			
OPurchase Order			
Notification Provider			
Provider ID	ZIWNGW_DEMO1		
Check if provider is active			
Generate example parameter			
Recipients			
User	to		

Figure 81 – Run transaction code /N/IWNGW/BEP_DEMO

5. After executing, the screen will display as below:

Test Create Notification	
Test Create Notification	
Attempting to create a Leave Request Notification Call to create a notification completed, source id: 005056966A201EE78CCDE22F6D1A1642	

Figure 80 – Create Notification successfully

6. Login to Fiori Launchpad, you will see the badge count.

G	A Not secure	8443/sap/bc/ui5_ui5/ui2/ushell/shelis/abap/FioriLaunchpad.html?sap-ushell-config-url=/sap/bc/ui5_demokit/test-resources/sap/ushell/demoapps/LaunchpadConfig 🗙	8	💿 🗖	÷
8	SAP	Home	Q	_0	
	My Home W	b Dynpro Apps			
1	My Home				
1	dy Inbox All Items				
	544				
	Ľ 1′				

Figure 82 – Check Notification in Launchpad

7. Click Notification icon to open the Notification list, you will see the notifications you created just now.

	ت ا
Leave request #2560 by Gavin Gradel requires your attention	â
1 minute ago	Approve Deny
Employee Wilson : Approve notification of absence	×
4 days ago	
Employee Wilson : Approve notification of absence	×
4 days ago	
Employee Wilson : Approve notification of absence	×
4 days ago	
Employee Wilson : Approve notification of absence	×

Figure 83 – Open the Notification list

Test the SAP Business Workflow Notification Provider

In this section, I will use the demo workflow WS30000015 to test the SAP Business Workflow Notification Provider. Please make sure this demo workflow task has been assigned to the test user.

- 1. Run transaction code SWXF.
- 2. Click "Save" button.

Application Data							
Number	1001	Status New					
Personal Data							
Name	Wilson						
Department	-						
Personnel no.		Cost cente	r 01010	00144			
Absence Data							
	Ву	to	Hours	Leave Type			
Leave 1	06.05.2017	06.05.2017		Vacation			
Leave 2				Vacation	*		
Leave 3				Vacation	•		
Reason							
Contact at							
Entry and Appro	val						
Date	06.05.2017	Date					
Issuer		Approver					

Figure 84 – Create Notification

3. Login to Fiori Launchpad, you will see the badge count.

C 🔺 Not secure	8443/sap/bc/u/5_u/5/u/2/ushell/shells/abap/FioriLaunchpad.html?sap-ushell-config-url=/sap/bc/u/5_demokit/test-resources/sap/ushell/demoapps/LaunchpadConfig 😭	8	c =	Ŧ
B SAP	Home	Q	0	
My Home Web Dynpro Apps				
My Inbox All items				
5/ 44				
⊡ 11				
Web Dynpro Apps				
Hello World Web Dynpro Applica				

Figure 85 – Check Notification in Launchpad

4. Click Notification icon to open the Notification list, you will see the notifications you created just now.

← → C ▲ Not secure	v8443/hap/bc/u3_w5/u3/u8/u8/u8/s/bels/abap/ForLaundpad.html?sap-ubHl-config-url=/sap/bc/u3_demokit/test-resources/sap/usheli/demoappin/Laundpad.Config 🏚 🎘 🥐 🖪
8 549	۹ 🕲
	By Date + By Type By Priority
	Employee Wilson : Approve notification of absence ×
	Just now
	Leave request #379 by Gavin Gradel requires your × attention
	31 minutes ago Reprove Deny
	Employee Wilson : Approve notification of absence ×
	4 days ago
	Employee Wilson ; Approve notification of absence ×
	4 days age
	Employee Wilson ; Approve notification of absence
	4 days ago
	Employee Wilson : Approve notification of absence ×
	6.6455.320

Figure 86 – Open the Notification list

5. Click the item, it will navigate to My Inbox to open the item.

<u>50</u> 7	My Inbox 🗸
All Items (12)	Employee Wilson : Approve notification of absence
Search Q	
C REFRESH	Employee Wilson : Approve notification of absence
Employee Wilson - Approve	Workflow System Ready
notification of absence	Medium
Workflow System Medium	Created on 07.05.2017
Employee Wilson : Approve	
Workflow System Medium	
	Employee Wilson submitted a notification of absence on 05.05.2017.
Employee Wilson : Approve	Make a decision about the request.
notification of absence	n you reject me registast, oreare an insumment explanming you reason no me rejection.
Workflow System Medium	
Employee Wilson : Approve	
Workflow System Medium	
Employee Wilson : Approve	
notification of absence	

Figure 87 – Open the task in My Inbox