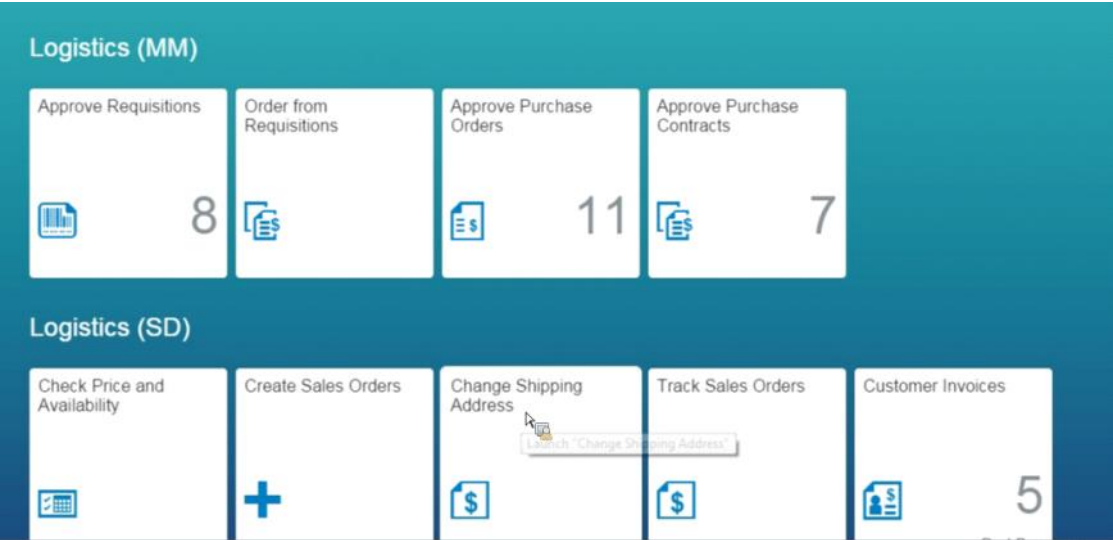
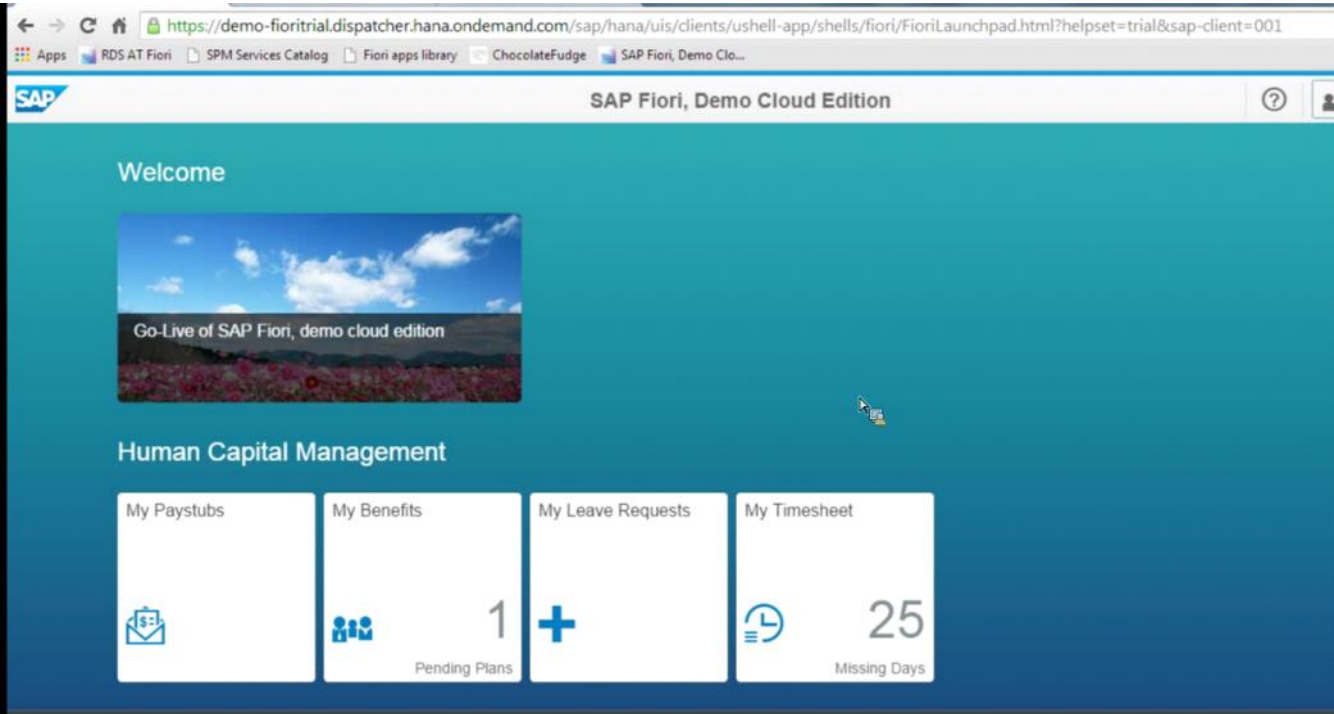
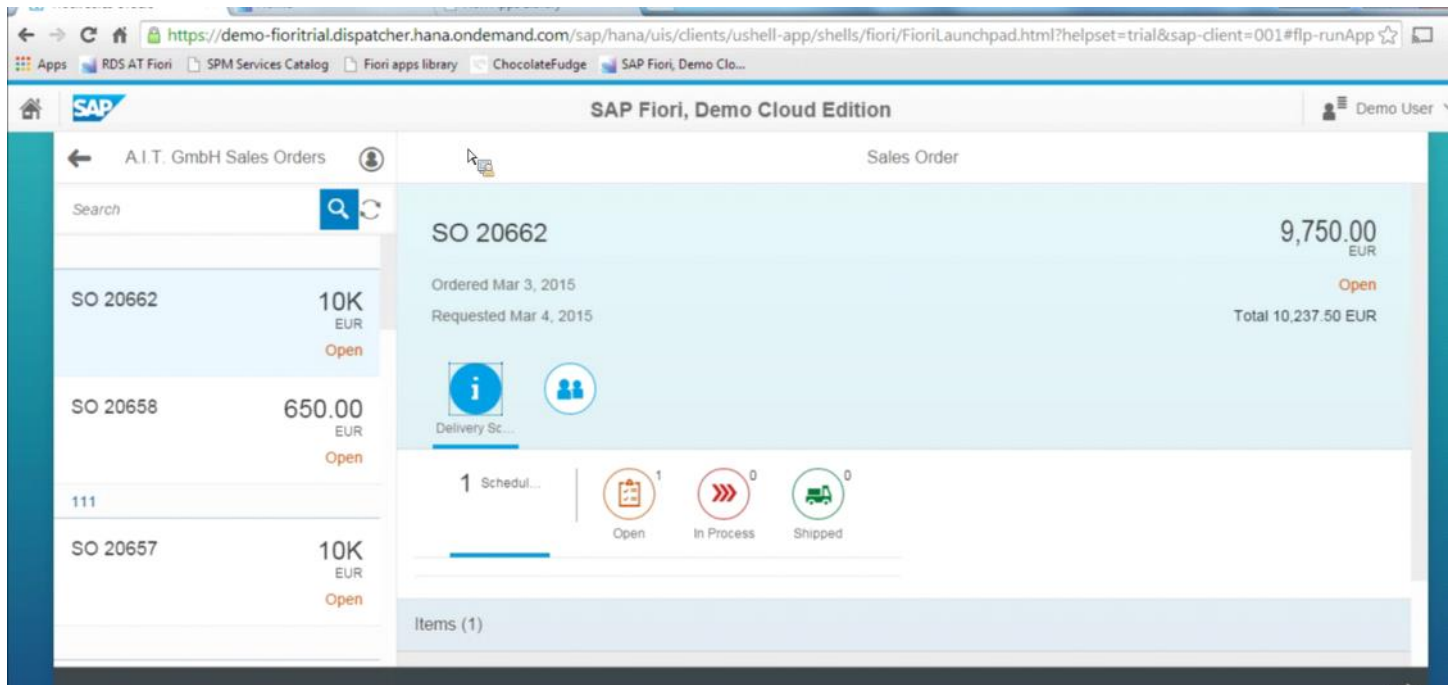
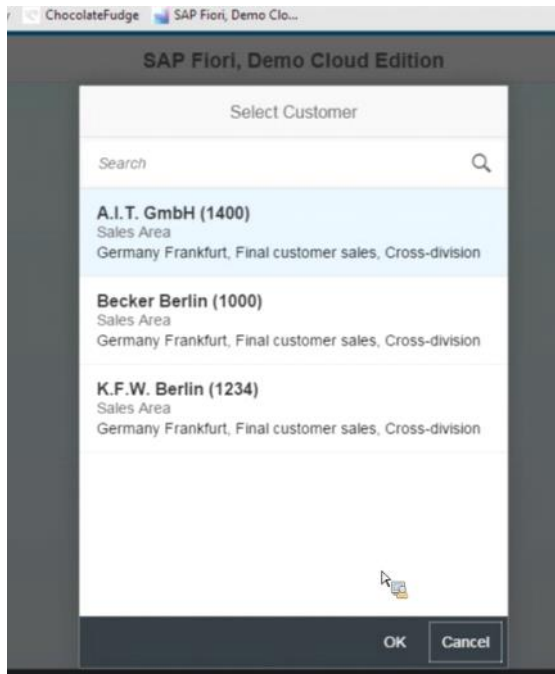


Fiori POC

Wednesday, October 10, 2018 4:15 PM





SAP Fiori User Roles

Across Lines of Business and Industries

Finance



- Accounts Payable Accountant
- Accounts Receivable Accountant
- Cash Manager
- Collection Specialist
- Controller
- Cost Manager
- G/L Accountant
- Sales Manager
- Manager

Human Resources



- Employee
- Manager

Sales & Marketing



- Sales Representative
- Inside Sales Representative
- Sales Manager

Procurement



- Purchaser
- Inventory Accountant
- Materials Requirement Planner
- Employee
- Manager

Cross LoB



- Manager
- MDG Expert
- ILM Archiving Expert
- Security Manager

Manufacturing



- MRP Controller
- Quality Engineer
- Production Planner
- Prod Worker/Supervisor

Supply Chain



- Supplier
- Supply Planner
- Transportation Manager
- Warehouse Manager
- Shipping Specialist
- Product Manager

R&D, Engineering



- Project Manager & Planner
- Program Manager
- Project Team Member

Asset Management



- Maintenance Worker & Planner

Industries

- Retail
 - Master Data Specialist
 - Promotion Specialist
 - Retail Store Associate
- Insurance
 - Claims Supervisor

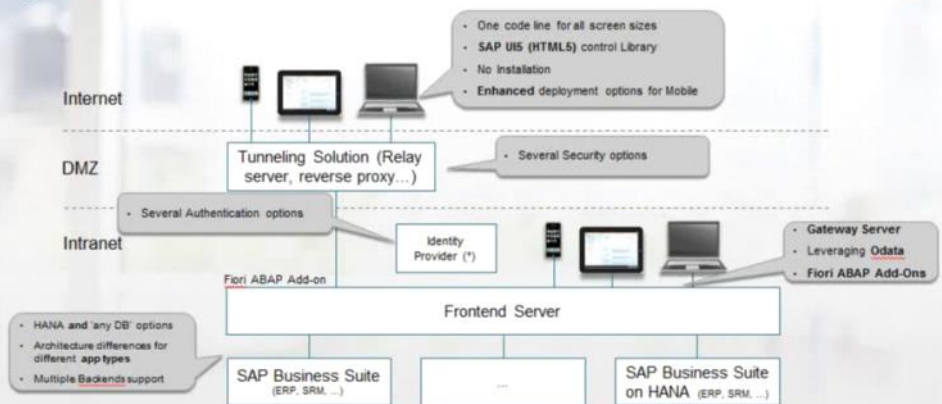


Slides Outline

1. **Perkin Elmer- Process review and UI challenges**
2. **SAP Fiori Architecture and Security**
3. **Architecture in Fiori high-level overview**

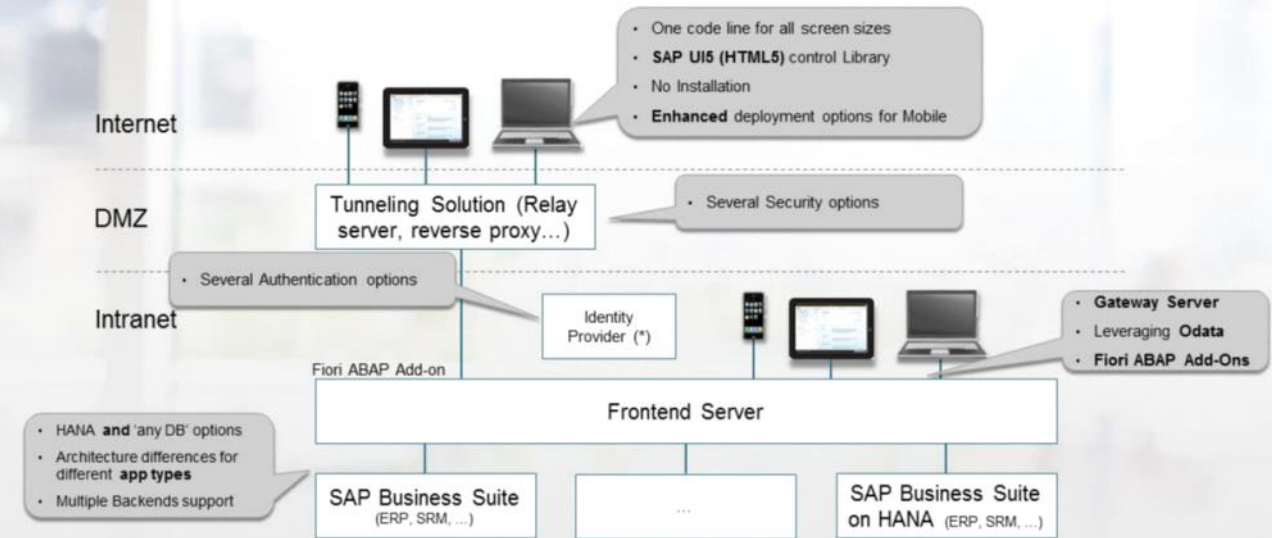
Architecture in Fiori

High-level overview



Architecture in Fiori

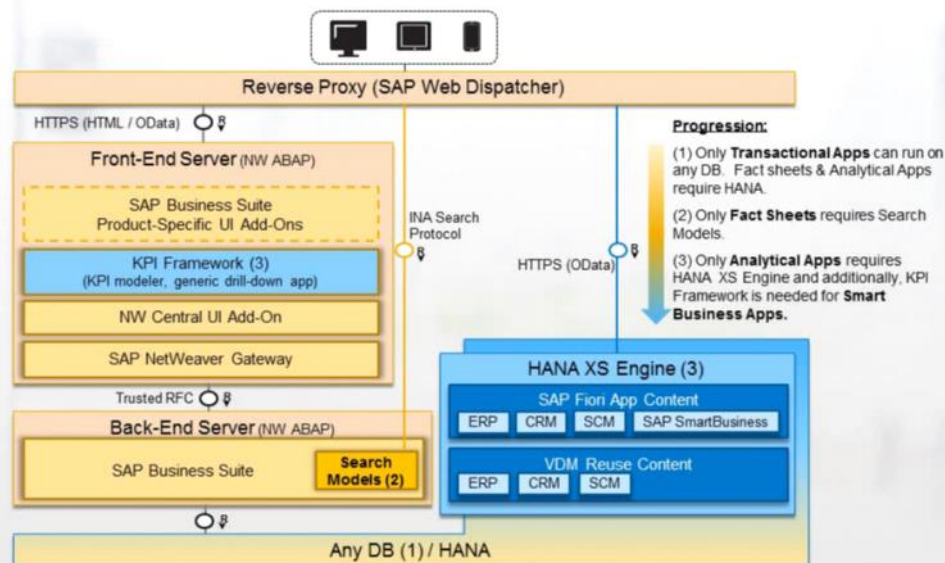
High-level overview



Slide 23 of 33

11:46 AM

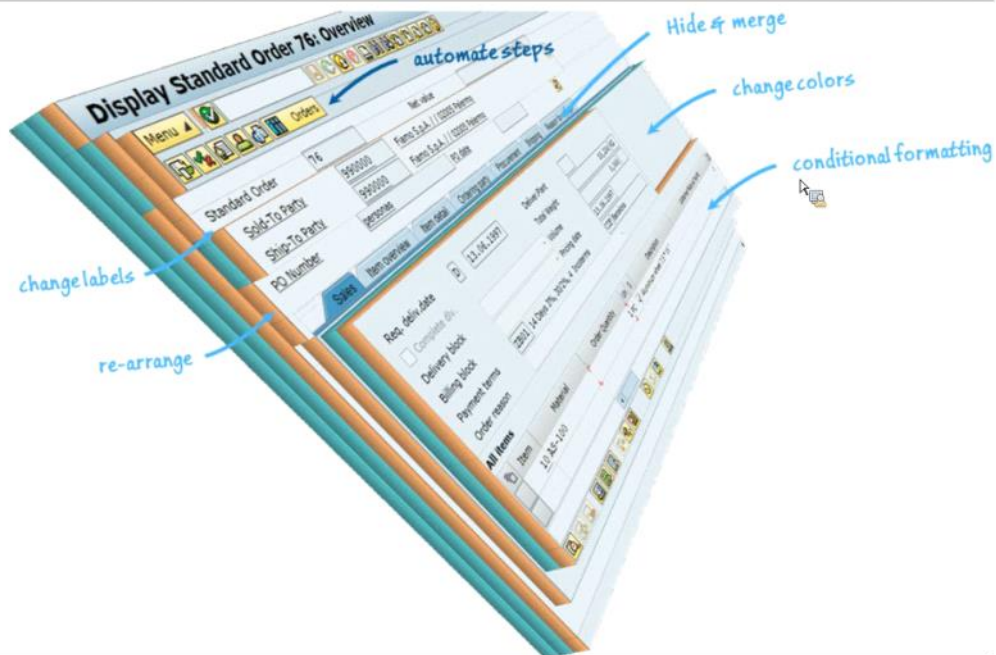
Architecture – Logical Overview (all app types)



SAP Web
IDE Soluti...

personas

What can we do with it?



© 2014 SAP AG or an SAP affiliate company. All rights reserved.

Customer

4

How does it benefit you?



Technical Requirements

Screen Personas 2.0

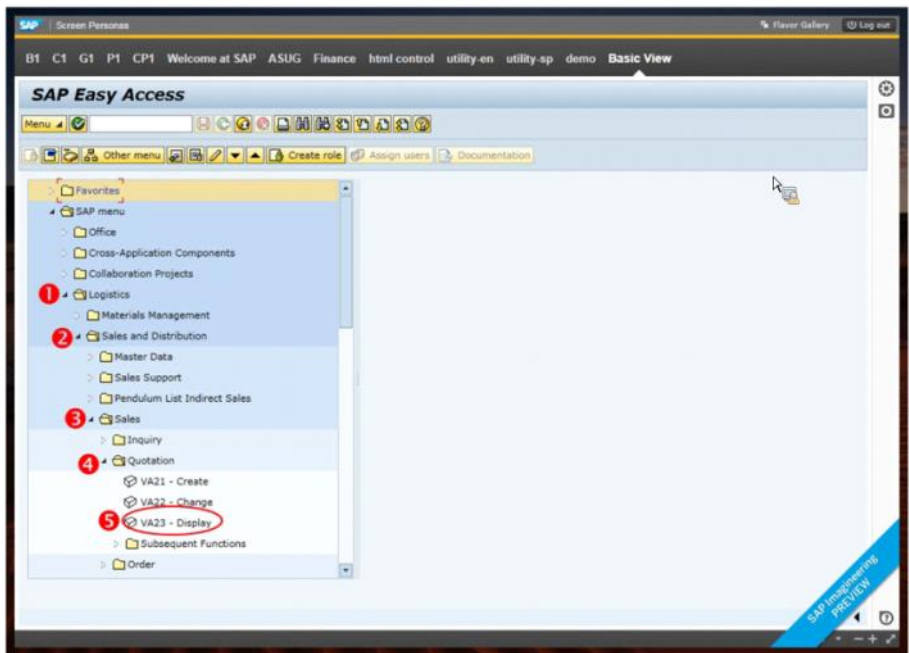
- MS Silverlight plugin version 5.0 required on all client machines.
- Installed on SAP Business Suite Systems (ECC 6.0).
- SAP Business Suite System should have a kernel version of 7.21 or higher.
- Add-on installation via SAINT.

Screen Personas 3.0 (currently in ramp-up)

- Unicode
- NetWeaver 7.40 SP3 BASIS or later
- Kernel 7.42

Example 1: Verifying a Sales Order without Personas

Many clicks to initiate transaction - or memorize the code



Fiori links

Monday, August 03, 2015 7:38 AM



Fiori_Perso
nas_Links

[https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps\('F0401'\)/W13](https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps('F0401')/W13)

Architecture diagram incorporate as per our previous projects 4

- Present Architecture diagram incorporate as per our previous projects
- Having one web-dispatchers configured in Outer DMZ.
- The users from outside network will connect to the outer web dispatcher and the users will be redirected to the NW gateway server.
- The users will be authenticated in NW gateway frontend and gets authenticate with the backend system with an trusted RFC.(the user ID in frontend and backend should be same
- The above work flow have the restrictions and privileges from the network
 - Open the required ports in the outer web dispatcher .
 - The outer web-dispatcher will have the public IP and the private IP. The public IP is exposed to the outer world and the SSL should be configured.
- The users with in the domain can connect to the internal IP rather than coming from out side.

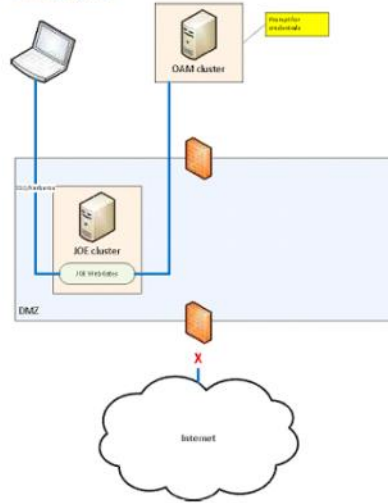
YASH Technologies
More than what you think.

Architecture diagram as per SAP recommendations for SMP 3

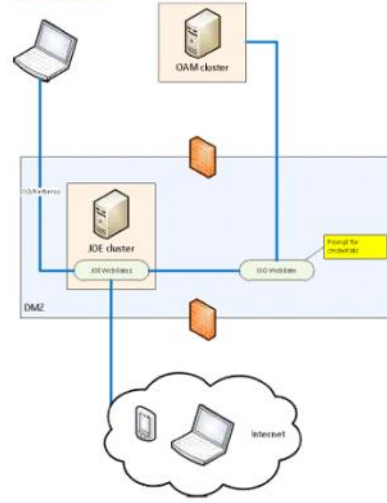
- Present Architecture diagram incorporate as per SAP recommendations for SMP.
- Having two web-dispatchers configured one in Outer DMZ and one in inner DMZ.
- The users from outside network will connect to the outer web dispatcher and redirect to the inner web dispatcher , from the inner dispatcher the users will be redirected to the NW gateway server.
- The users will be authenticated in NW gateway front end and gets authenticate with the backend system with an trusted RFC.(the user ID in frontend and backend should be same
- The above work flow have the restrictions and privileges from the network
 - Open the required ports in the outer web dispatcher and inner web dispatcher.
- The outer web-dispatcher will have the public IP and the private IP. The public IP is exposed to the outer world and the SSL should be configured.
- The inner web-dispatcher is not exposed to the outer world, but the users with in the domain can connect directly to the inner web-dispatcher rather than coming from out side.

YASH Technologies
More than what you think.

Current state



Future state



Fiori app documentation

Wednesday, April 18, 2018 6:59 PM

https://help.sap.com/fiori_bs2013/helpdata/en/ba/954353a531e647e10000000a441470/frameset.htm

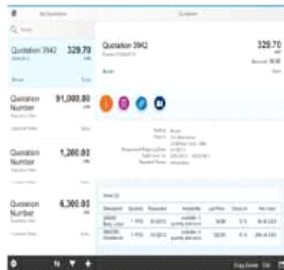
SAP Fiori application types

Transactional



Task-based access

- Access tasks to create, change, approve processes with guided navigation



Runs on:



Analytical



Insights

- Get a visual overview of a complex topic for monitoring or tracking purposes



Runs on:



Factsheets



Search & explore

- View essential information about an object with contextual navigation between related objects

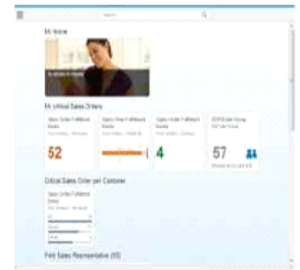


SAP Smart Business



Insight to action cockpit

- Analyze and evaluate strategic or operational KPIs in real time and trigger the right action

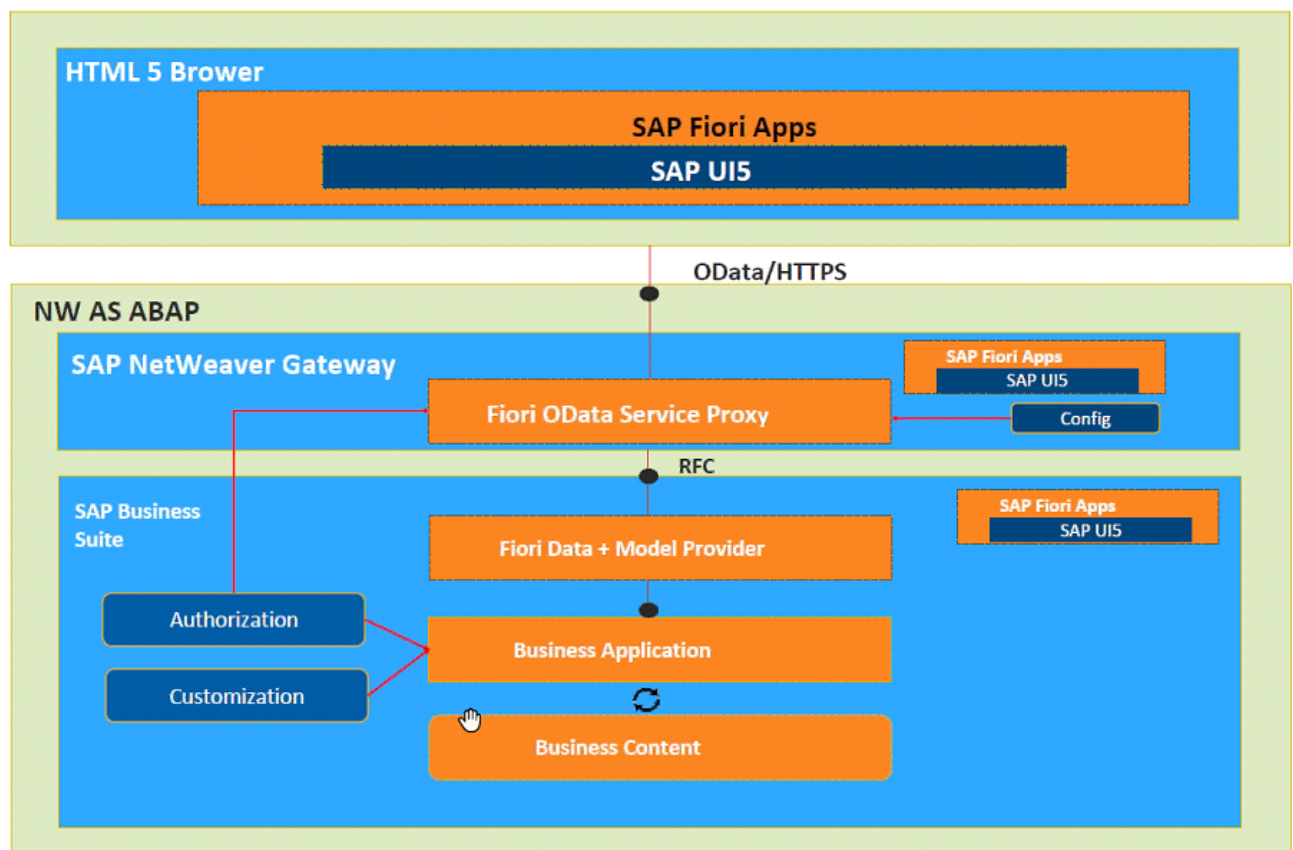


SAP Fiori Apps Today - Across Line of Business

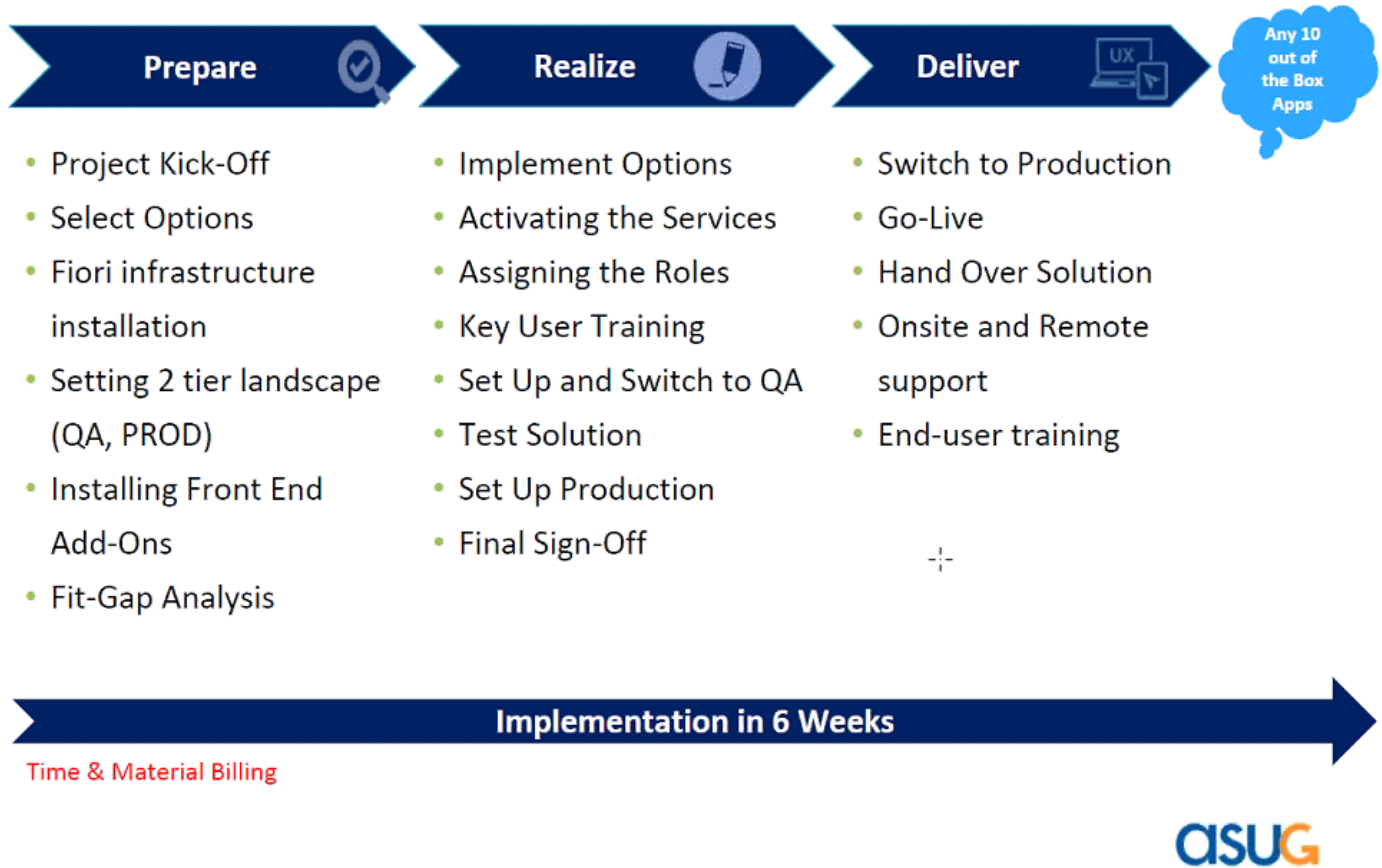


*Source from <https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/>

Fiori Components



YASH Fiori RDS



How to find Data provider Classes

Friday, November 6, 2020 5:28 PM

SE24

Object type Edit Goto Utilities Environment System Help

Class Builder: Initial Screen

Object type: *DPC*EXT*

Search by *DPC*EXT

Repository Info System: Class/Interface Find (155 Hits)

Object Type Name	Short Description
CL_SRA016_PRICE_AVAIL_DPC_EXT	Data Provider Secondary Class
CL_SRA020_PO_TRACKING_DPC_EXT	Data Provider Secondary Class
CL_STERM_GET_ADD_LANGU_DPC_EXT	Secondary Data Provider Class
CL_STERM_GET_TERM_VARI_DPC_EXT	Secondary Data Provider Class
CL_STERM_SEARCH_DPC_EXT	Secondary Data Provider Class
CL_STERM_SUGGEST_DPC_EXT	Secondary Data Provider Class
CL_STERM_TERMINOLOGY_S_DPC_EXT	Secondary Data Provider Class
CL_SWF_TCM_DPC_EXT	Data Provider Base Class
CL_TRV_ATE_DPC_EXT	Data Provider Secondary Class
CL_TRV_ATR_DPC_EXT	Data Provider Secondary Class
CL_UCONHTTP_DPC_EXT	Data Provider Secondary Class
CL_UCONRFC_DPC_EXT	Data Provider Secondary Class
CL_UPS_BULK_UPLD_DPC_EXT	Data Provider Secondary Class
CL_UPS_COMMON_DPC_EXT	Data Provider Secondary Class
CL_UPS_DEF_EVENT_DPC_EXT	Data Provider Secondary Class
CL_UPS_DEF_RESULT_DPC_EXT	Data Provider Secondary Class
CL_UPS_DEF_WORK_ORDER_DPC_EXT	Data Provider Secondary Class
CL_UPS_FC_APPR_PUB_DPC_EXT	Data Provider Secondary Class
CL_UPS_FC_CALC_FCST_DPC_EXT	Data Provider Secondary Class
CL_UPS_FC_GATHERDATA_DPC_EXT	Data Provider Secondary Class
CL_UPS_FC_MNG_ACCESS_DPC_EXT	Data Provider Secondary Class
CL_UPS_FC_MNG_PROJECT_DPC_EXT	Data Provider Secondary Class
CL_UPS_FC_VIEW_RES_DPC_EXT	Data Provider Secondary Class
CL_UPS_FIELD_DATA_CAPT_DPC_EXT	Data Provider Secondary Class
CL_UPS_FIX_ERROR_DPC_EXT	Data Provider Secondary Class

https://help.sap.com/saphelp_hba/helpdata/en/88/f0a852c82ec04ae10000000a44176d/frameset.htm

Thursday, May 23, 2019 1:00 PM



Audio Recording

Audio recording started: 1:06 PM Thursday, May 23, 2019

Audio recording started: 1:04 PM Thursday, May 23, 2019

Call FM getpernr from userid

BD_SRA016_USR_TO_CUSTOMER 2:04 PM

ES_SRA016_CUSTOMER

Custom catalogs, groups, security roles

Wednesday, May 29, 2019 10:52 AM

User type	Custom Catalog Id	Custom Catalog Description	Custom Group id	Custom Group Description	Security Role to be created
Eaton Buyer (RTC)	ZRTC_PURREQ_APP	Eaton Buyer (RTC)	ZRTC_PURREQ_GRP	Eaton Buyer (RTC) Group	
Eaton Quality Analyst	ZQM_QUALITY_ANALYST	Eaton Quality Analyst	ZQM_QUALITY_ANALYST	Eaton Quality Analyst Group	
Eaton Finance Manager	ZFIN_FINANCE_MANAGER	Eaton Finance Manager	ZFIN_FINANCE_MANAGER	Eaton Finance Manager Group	
Eaton Production Analyst	ZPTP_PRODUCTION_ANALYST	Eaton Production Analyst	ZPTP_PRODUCTION_ANALYST	Eaton Production Analyst Group	
Eaton Sales Analyst	ZQTC_SALES_ANALYST	Eaton Sales Analyst	ZQTC_SALES_ANALYST	Eaton Sales Analyst Group	

REST tools

Monday, June 3, 2019

12:04 PM

Advanced REST client tool

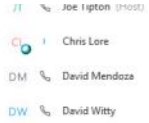
<https://chrome.google.com/webstore/detail/advanced-rest-client/hgmloofddfdnphfgcellkdfbfjelo/related?hl=en-US>

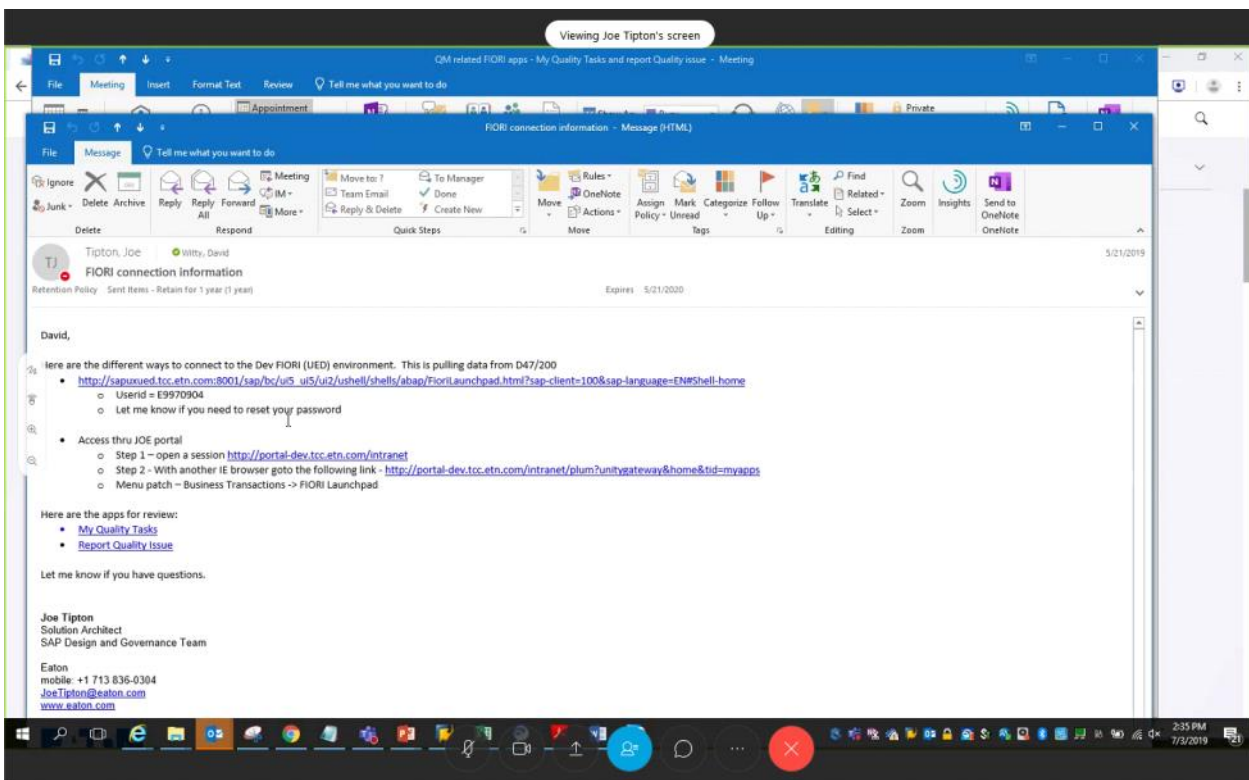
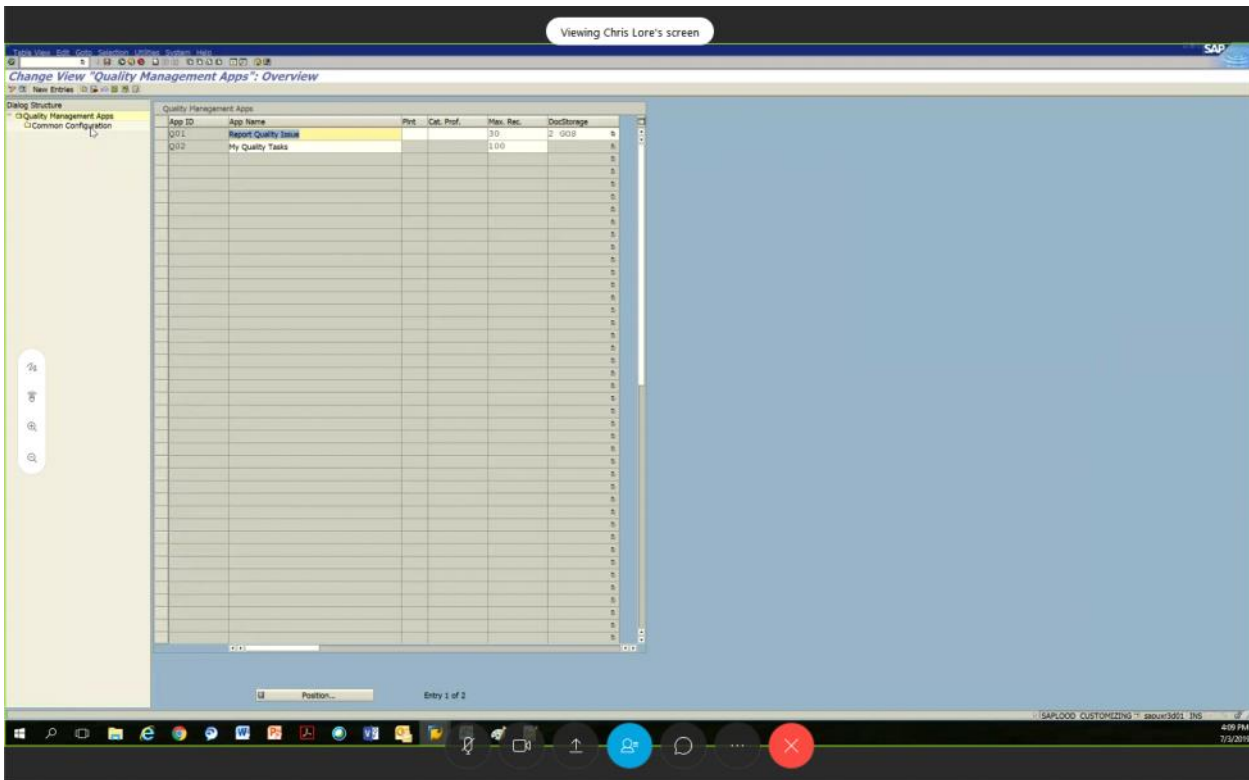
Restlet tool

<https://restlet.com/modules/client/>

Postman

Wednesday, July 3, 2019 3:38 PM



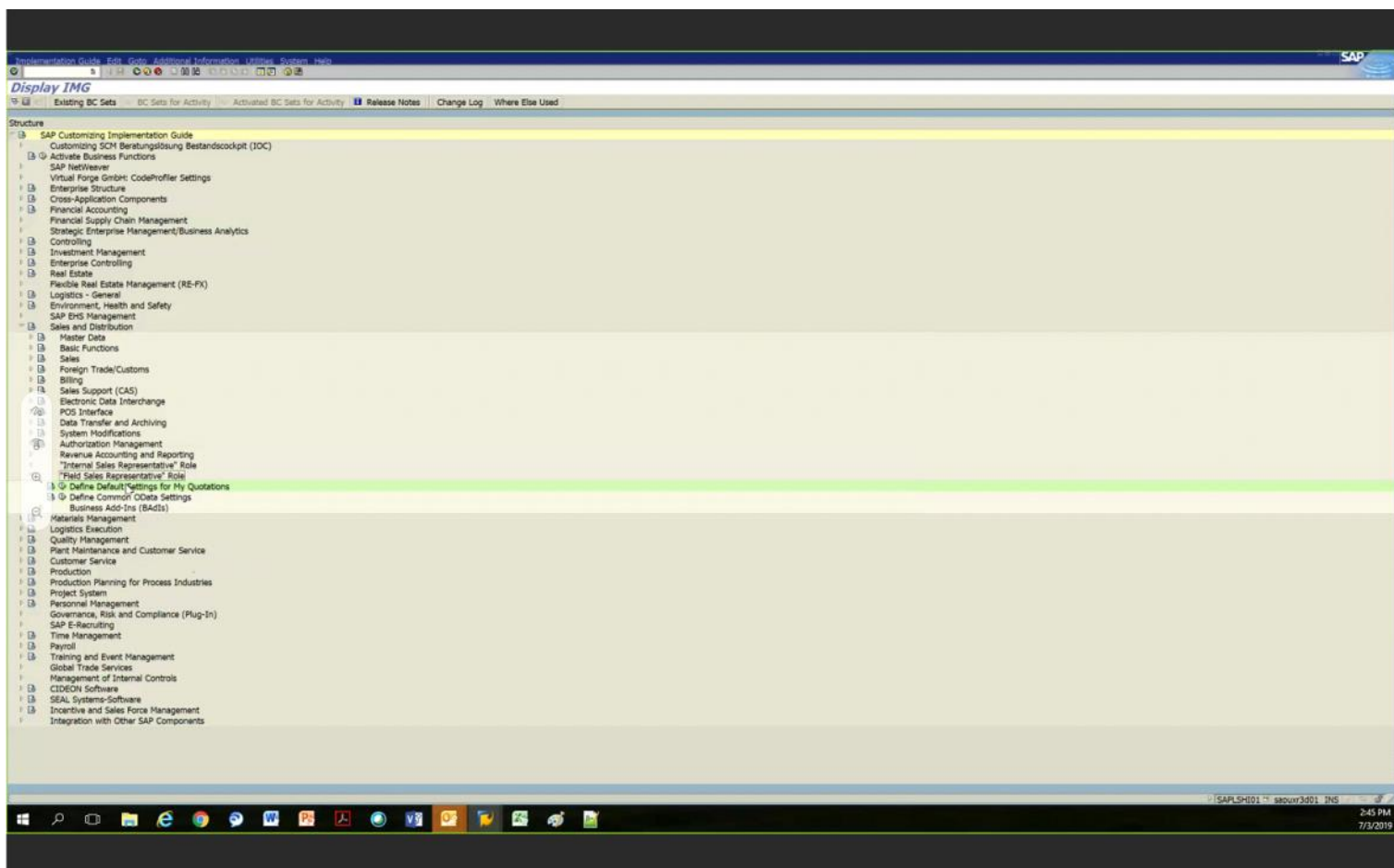
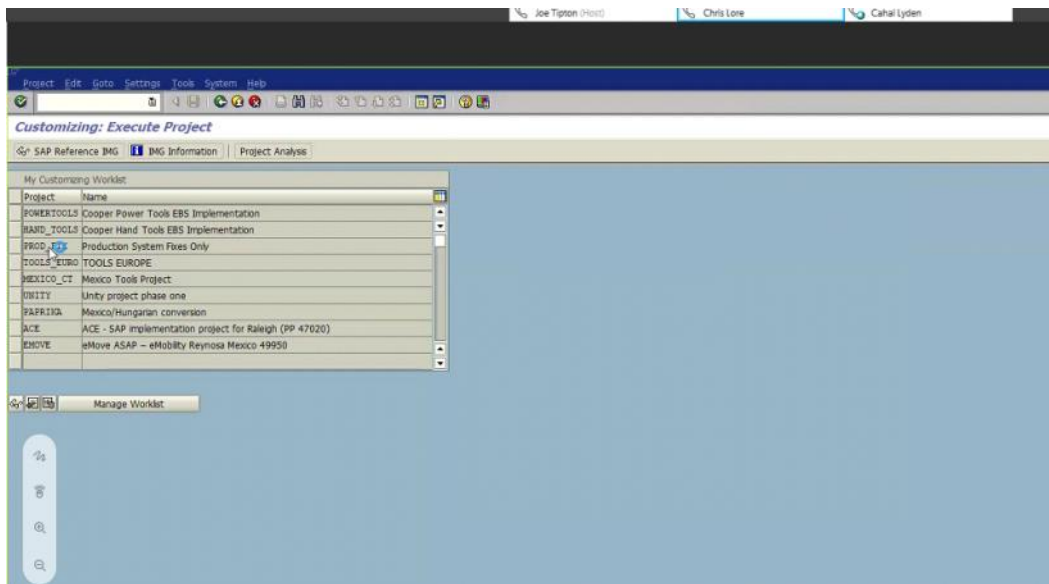


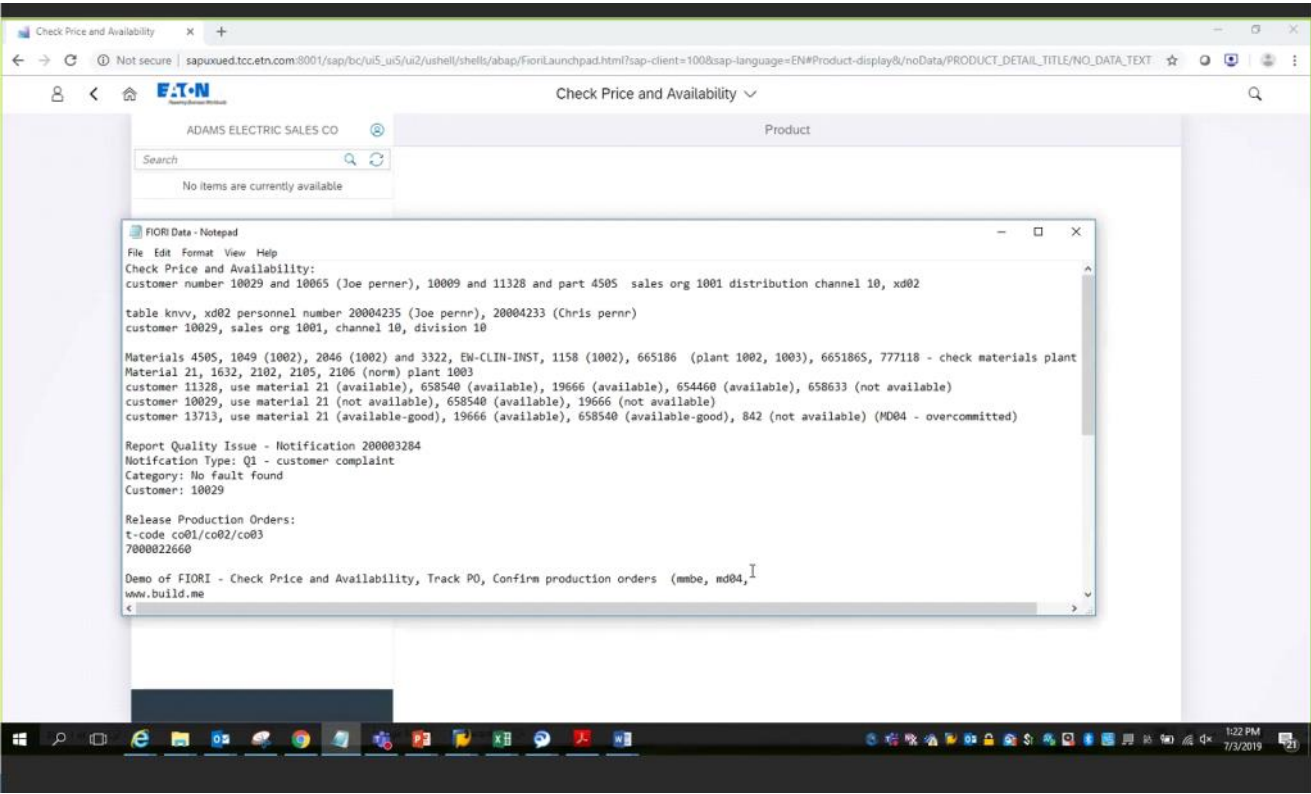
Fiori Apps config - QTC

Wednesday, July 3, 2019 3:40 PM

How to add configuration documentation

SPRO





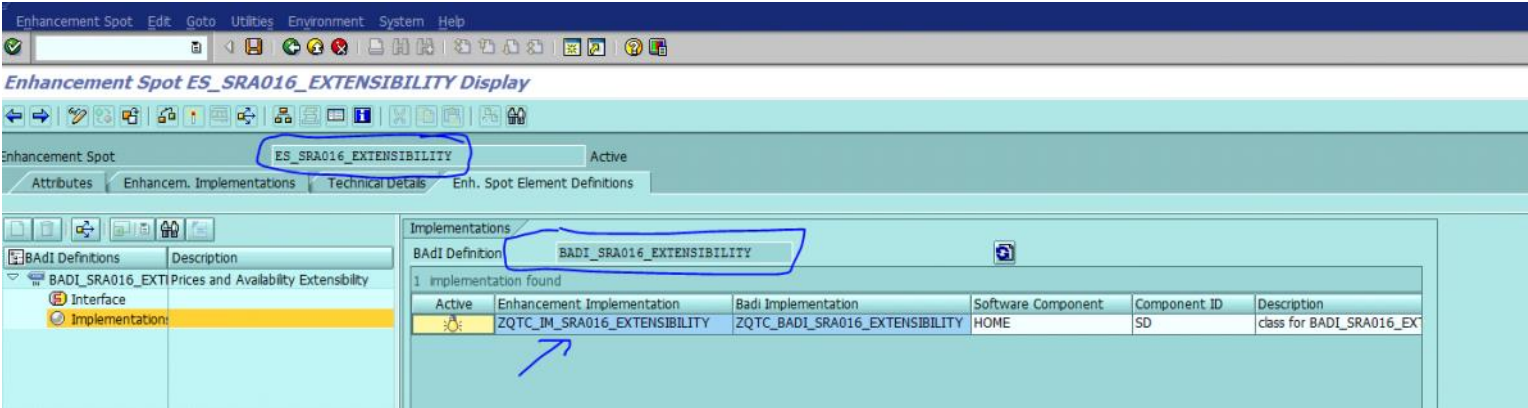
Check price and availability

Thursday, May 23, 2019 12:44 AM

<https://help.sap.com/doc/e6b109a54c374c67bfe5902f847fc093/1.0%202016-07-en-US/88f0a852c82ec04ae1000000a44176d.html>

[https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps\('F0017'\)/W13](https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps('F0017')/W13)

BADI Name (SE18) : BADI_SRA016_EXTENSIBILITY



Enhancement implementation (SE19) : ZQTC_IM_SRA016_EXTENSIBILITY

Implementing class : ZCL_IM_BADI_SRA016_EXT

BADI definition	Enhancement Spot	Enhancement Implementation	Implementing class	interface	
	ES_SRA016_EXTENSIBILITY				
BD_SRA016_USR_TO_CUSTOMER	ES_SRA016_CUSTOMER	ZQTC_BD_SRA016_USR_TO_CUSTOMER	ZCL_IM_BD_SRA016_USR_TO_CUST	IF_SRA016_USR_TO_CUSTOMER	

NEW ONES that were used :-

BD_SRA016_USR_TO_CUSTOMER 2:04 PM

ES_SRA016_CUSTOMER

Chrome DevTools

Thursday, August 8, 2019 2:02 PM

https://developers.google.com/web/tools/chrome-devtools/?utm_source=dcc&utm_medium=redirect&utm_campaign=2016q3

Test users

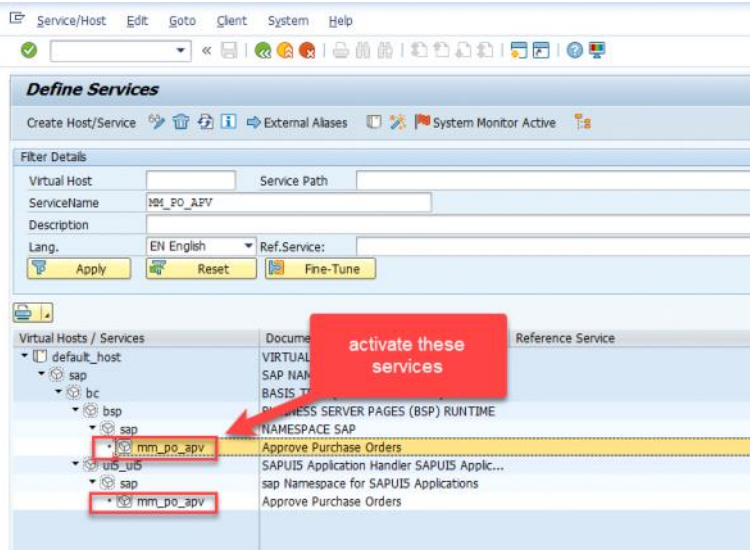
Friday, June 12, 2020 3:57 PM

		Dev user id	Dev password	QA user id	QA password
My Spend App	Eaton Finance Manager User	TSTMYPEND	Eaton12345	TSTMYPEND	Eaton12345
Confirm Production Orders App	Eaton Production Analyst user	TSTCONPRDO	Eaton12345	TSTCONPRDO	Eaton12345
Track Purchase Orders App	Eaton Buyer user	TSTTRACKPO	Eaton12345	TSTTRACKPO	Eaton12345

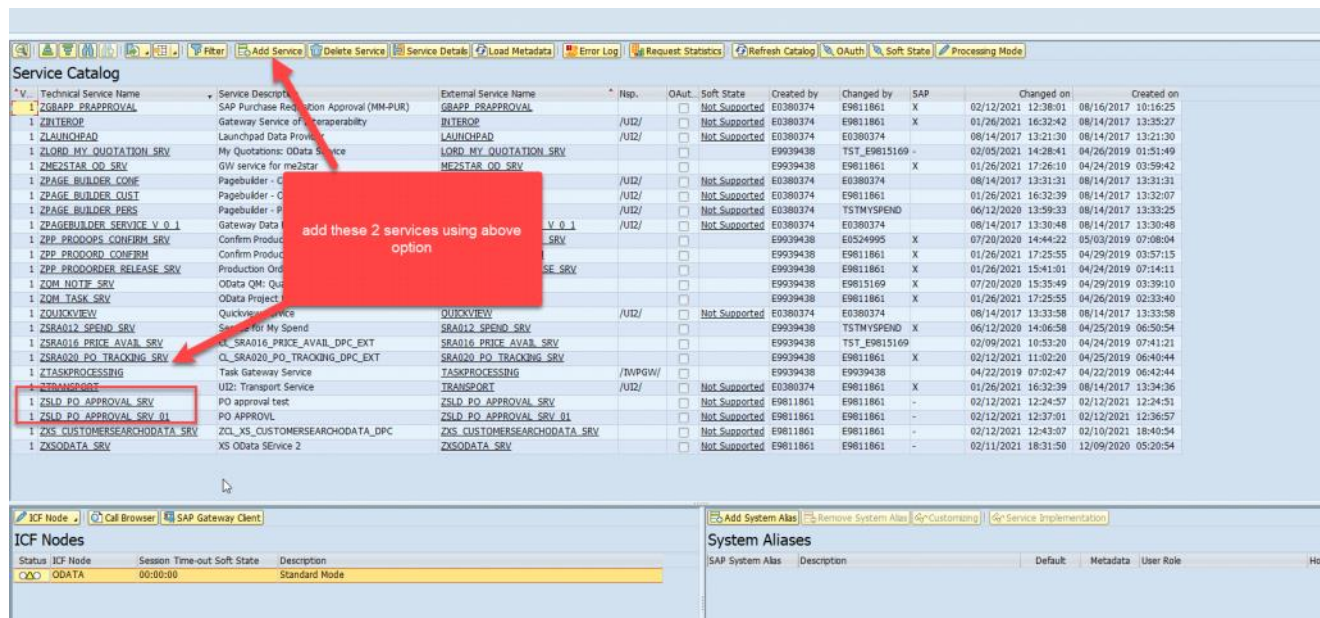
Approve Purchase orders - Fiori App activation

Friday, February 12, 2021 11:56 AM

Activate service in SICF



Activate ODATA service (total 3)



Service Catalog

Filter Add Service Delete Service Service Details Load Metadata Error Log Request Statistics Refresh Catalog OAuth Soft State Processing Mode

Technical Service Name	Service Description	External Service Name	Nsp.	OAu.	Soft State	Created by	Changed by	SAP	Changed on	Created on
ZGBAPP_POAPPROVAL	SAP Purchase Order Approval (MM-PUR)	ZGBAPP_POAPPROVAL	/UIZ		Not Supported	E9811861	E9811861	X	02/12/2021 12:38:01	08/16/2017 10:16:25
ZGBAPP_PRAPPROVAL	SAP Purchase Requisition Approval (MM-PUR)	ZGBAPP_PRAPPROVAL	/UIZ		Not Supported	E9811861	E9811861	X	02/12/2021 12:38:01	08/16/2017 10:16:25

Catalog and Group configuration

← → ↻ 🏠 📁 https://sapuxued.tcc.etn.com:1443/sap/bc/ui5_ui5/sap/arsvc_upb_admn/main.html#/Catalog/X-SAP-UI2

Catalogs **Groups**

atalog Collection

Drag to add

ID : X-SAP-UI2-CATALOGPAGE:ZRTC_EATON_BUYER

2 2 2

add this

Approve Purchase Orders
📄 1,234

Track Purchase Order
📄

eaton

Eaton Buyer (RTC)
ZRTC_EATON_BUYER 4

← → ↻ 🏠 📁 https://sapuxued.tcc.etn.com:1443/sap/bc/ui5_ui5/sap/arsvc_upb_admn/main.html#/Catalog/X-SAP-UI2-CATALO

Catalogs **Groups**

Catalog Collection

Drag to add

ID : X-SAP-UI2-CATALOGPAGE:ZRTC_EATON_BUYER

2 2 2

add target mapping

Semantic Object	Action	Navigation Type	Information
PurchaseOrder	track	SAP Fiori App using LPD_CUST	
PurchaseOrder	approve	SAP Fiori App using LPD_CUST	

← → ↻ 🏠 📁 https://sapuxued.tcc.etn.com:1443/sap/bc/ui5_ui5/sap/arsvc_upb_admn/main.html#/Group/ZRTC_BUYER_GRP

Catalogs **Groups**

eaton

Eaton Buyer (RTC)
ZRTC_BUYER_GRP 2

Eaton Finance Manager
ZFIN_FINANCE_MANAGER 1

Eaton Production Analyst
ZPTP_PRODUCTION_ANALYST 1

Eaton Purchase Approver
ZRTC_PURREQ_GRP 1

Eaton Quality Analyst
ZQM_QUALITY_ANALYST 1

Eaton Sales Analyst
ZOTC_SALES_ANALYST 2

ID : ZRTC_BUYER_GRP

Show as Tiles

Track Purchase Order
📄

Approve Purchase Orders
📄 1,234

Show as Links

add group

Potential Fiori apps

Monday, March 4, 2019 10:43 PM

- Business objects (after upgrade) - Fiori integration
- MDG - master data governance
- CF - central finance
- Inbox