SAP Fiori,

Lessons & Best Practices for S/4 HANA

Session Information

Speaker: Jaydeep Dakhawe, PMP
Sr. Manager, SAP CoE, Novavax Inc.

- Novavax implemented SAP S/4 HANA 1909, Extended edition, for US operations in July 2021.
- Implemented Swedish manufacturing operations in this global instance in Dec. 2022
- Rolling out template to global entities.
- Hyper scalar model with limited use of BTP

At Novavax, I am responsible for SAP CoE Tech operations (Basis, Security & Integrations). In the past I have managed variety of ERP Implementation, Conversion, Migration programs and CoEs.

In this session I will present:

- Fiori UI Introduction
- Fiori in SAP Security model
- Fiori Apps, deep dive
- Key Takeaways (Best Practices & Lessons Learned)

This session will not focus on:

- Fiori or UI5 development
- Infrastructure, Platform or Integration

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Overview

Novavax is a biotechnology company focused solely on vaccines for infectious diseases

A rich heritage developing vaccines against some of the world's most serious infectious threats

Our vaccine platform combines a well-understood recombinant protein approach with innovative nanoparticle technology

Immunogenic particles and unique Matrix-M™ adjuvant to enhance the immune response

Advancing a pipeline of vaccine candidates, including COVID-19 variant strains, COVID-19-Influenza Combination vaccine and RSV

Matrix-M adjuvant is a component of a late-stage malaria vaccine candidate in development by University of Oxford and Serum Institute of India

We are proud of our response to the COVID-19 pandemic

Developed a global manufacturing network, gained authorization in more than 40 countries and Emergency Use Listing from the World Health Organization and delivered vaccine worldwide

Our Mission & Values

COLLABORATION • INTEGRITY • COURAGE • INNOVATION • RESILIENCE • AGILITY

We never rest in our quest to protect the health of people everywhere.

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Fiori Introduction

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Fiori Introduction

Released in 2013, Fiori is available for customers for almost a decade!

| Fiori 1.0 (2013) | Fiori 2.0 (2016) | Fiori 3 (2018) | Fiori with Horizon (recent) |

- **SAPs unified user interface across platforms and devices**
- **Harmonized look and feel**
- **Holistic user experience for SAP**
- **Visually pleasing designs**
- **Strong focus on ease of use**
- **Simple and intuitive experience across platforms**
- **Based on SAPUI5**

Values
- **Consistency**
- **Integration**
- **Intelligence**

Principles
- **Role-based**
- **Adaptive**
- **Simple**
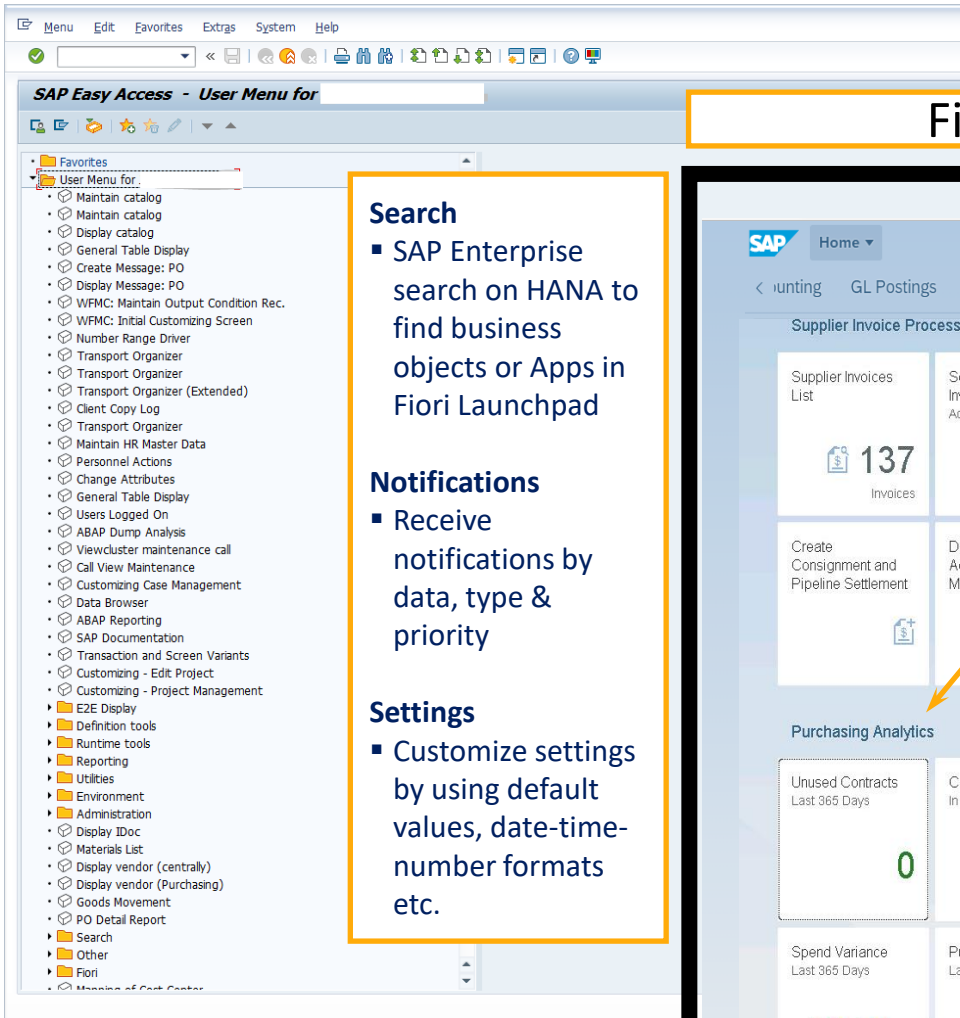- **Coherent**
- **Delightful**

Practices
- **Design-led development**

SAP GUI and Fiori – side by side

- Align to business process
- UI strategy
- Plan, Design, Execute

Search
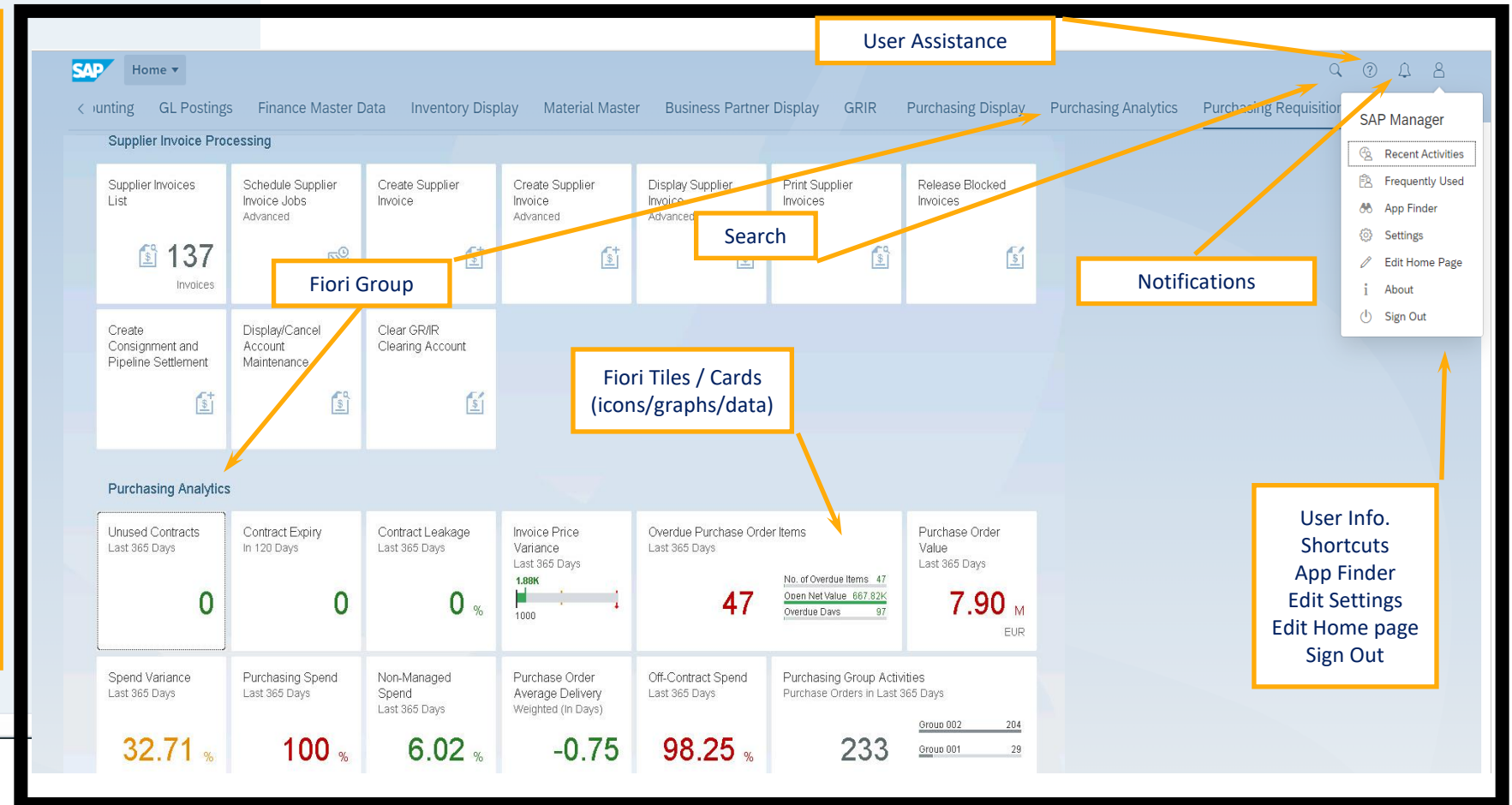- SAP Enterprise search on HANA to find business objects or Apps in Fiori Launchpad

Notifications
- Receive notifications by data, type & priority

Settings
- Customize settings by using default values, date-time-number formats etc.

Fiori in S/4 HANA – Key features that bring value to users

User Assistance

Search

Fiori Group

Notifications

Fiori Tiles / Cards (icons/graphs/data)

User Info.
Shortcuts
App Finder
Edit Settings
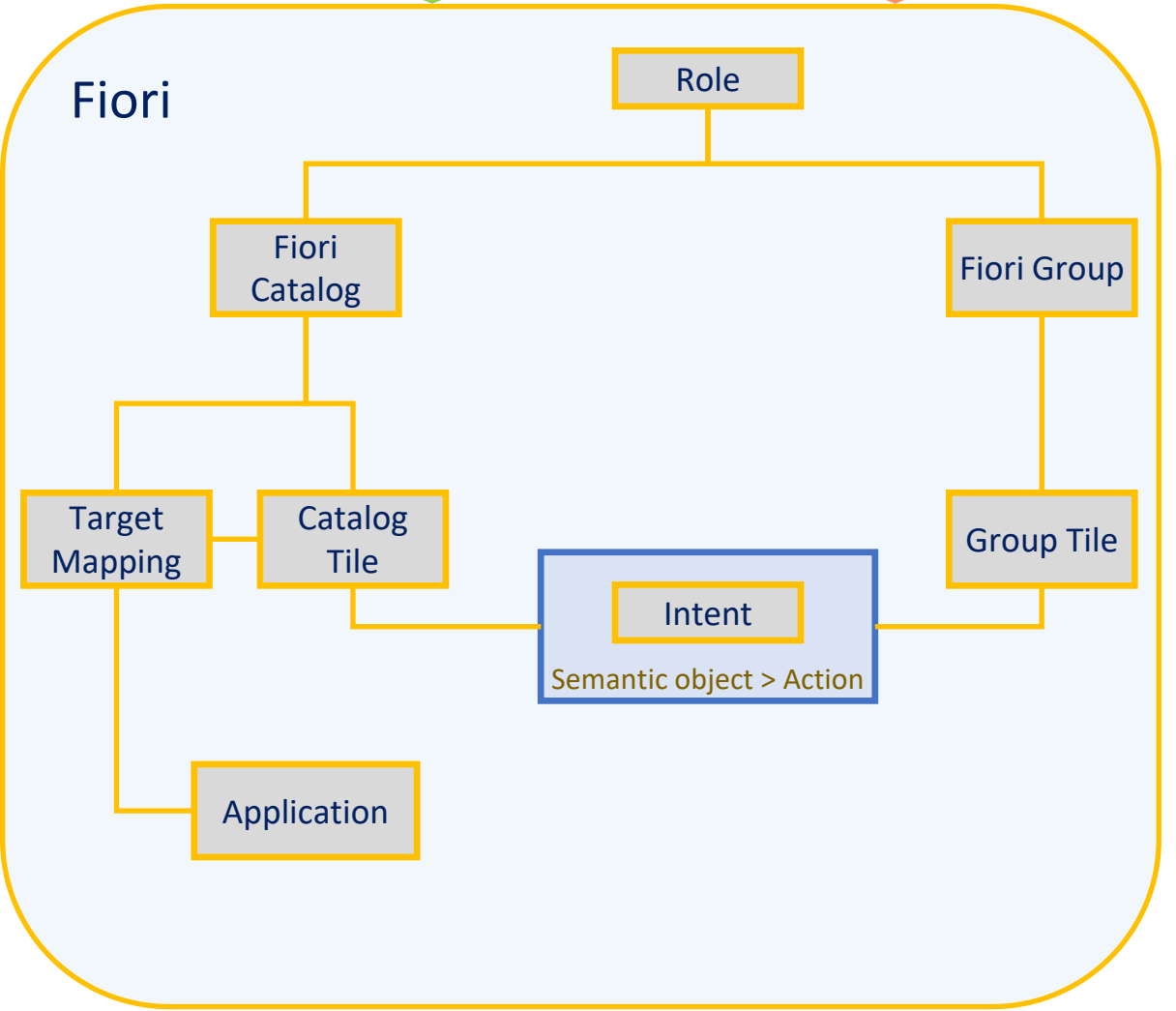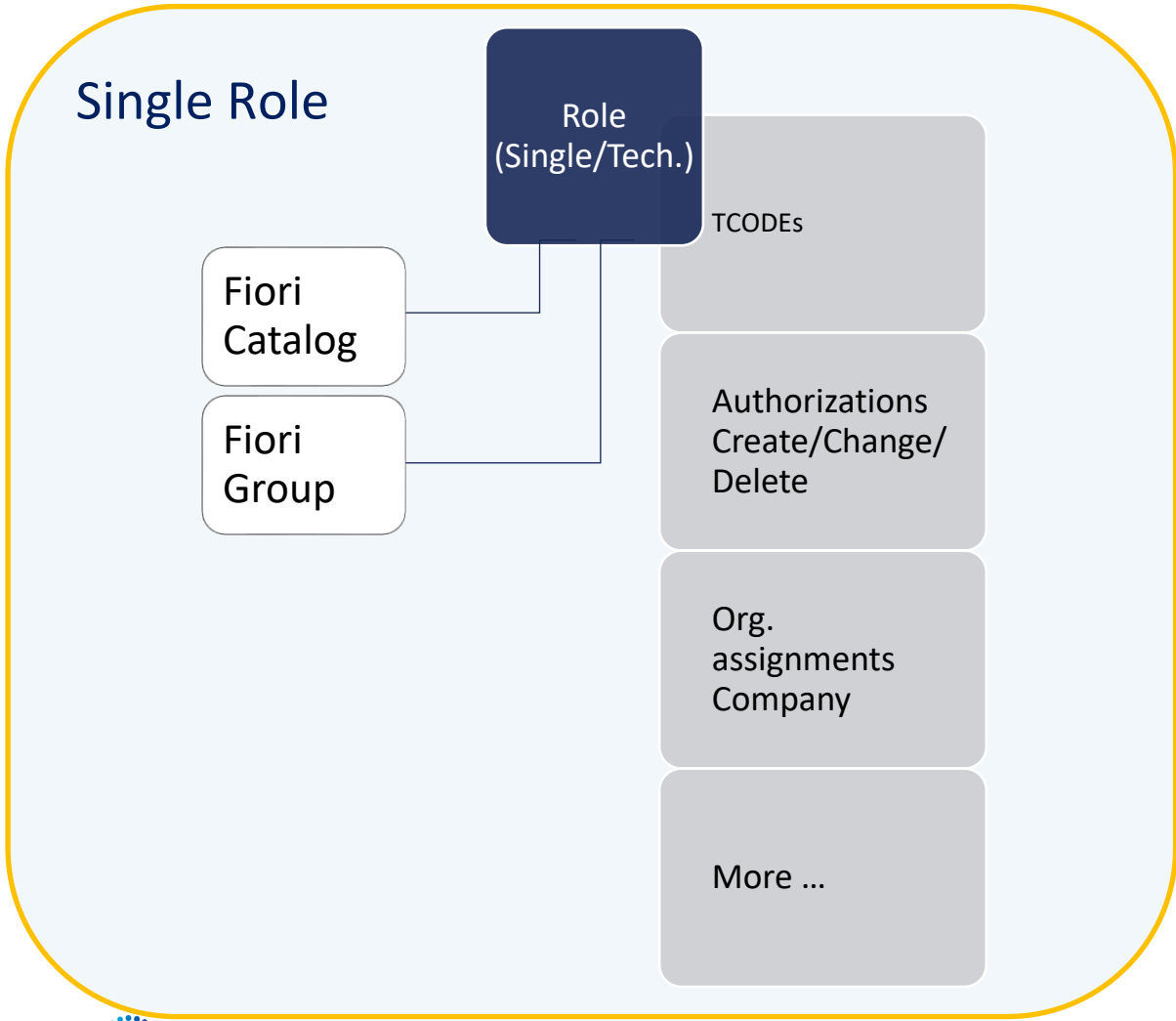Edit Home page
Sign Out

SECTION **2** Fiori in SAP Security

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Fiori Structure

Single Role

Role (Single/Tech.)

Fiori Catalog

Fiori Group

TCODEs

Authorizations Create/Change/Delete

Org. assignments Company

More …

Fiori

- 1:1:1 zRole:zCatalog:zGroup
- Documentation
- Consistency checks

- Development & Maintenance
- Orphaned components
- Reporting & Governance

Role

Fiori Catalog

Fiori Group

Target Mapping

Catalog Tile

Group Tile

Intent
Semantic object > Action

Application

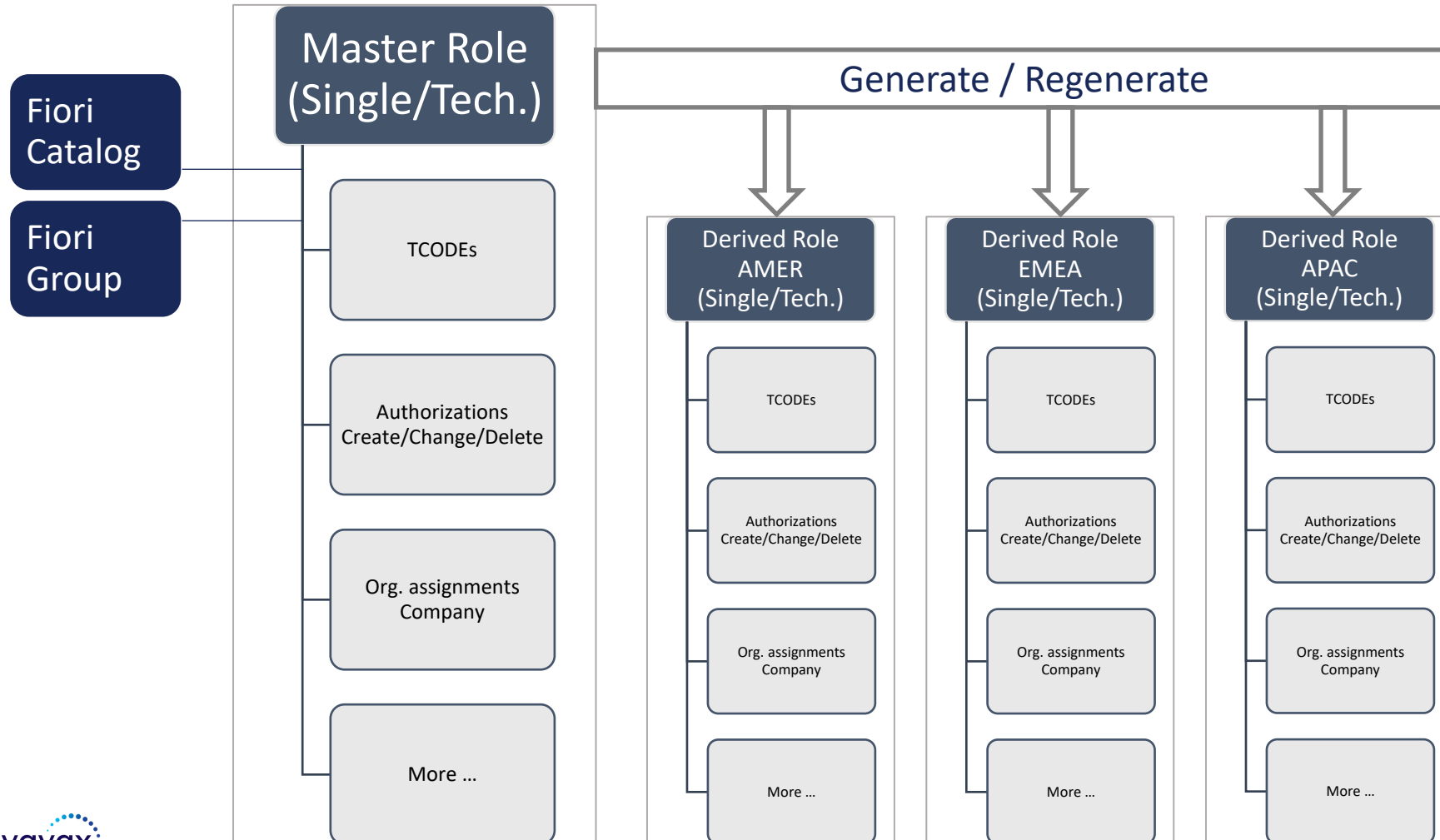novavax

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Fiori in global security model

- **Global Companies have user base in multiple geographic locations**
- **A good practice to have harmonized Global SAP Security model**
- **Global security model, typically makes use of template roles, reused across global entities**
- **"Master & Derived" or "Template & Enabler" roles are commonly used in global security model to control org. authorizations across different entities**

How does Fiori work in a Global security model?

Fiori in global security model

Fiori Catalog

Fiori Group

Master Role (Single/Tech.)

- TCODEs
- Authorizations Create/Change/Delete
- Org. assignments Company
- More …

Generate / Regenerate

Derived Role AMER (Single/Tech.)

- TCODEs
- Authorizations Create/Change/Delete
- Org. assignments Company
- More …

Derived Role EMEA (Single/Tech.)

- TCODEs
- Authorizations Create/Change/Delete
- Org. assignments Company
- More …

Derived Role APAC (Single/Tech.)

- TCODEs
- Authorizations Create/Change/Delete
- Org. assignments Company
- More …

- Fiori Catalogs and Groups are attached to a master role
- Tiles/Apps are shared across all derived roles
- Tiles/Apps execution is controlled by authorizations in derived roles.

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SECTION

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Fiori deep dive

Fiori Reference Library

Fiori components

Check Fiori content before deploying

Watch for Tiles with same name
Subtitle info not always present
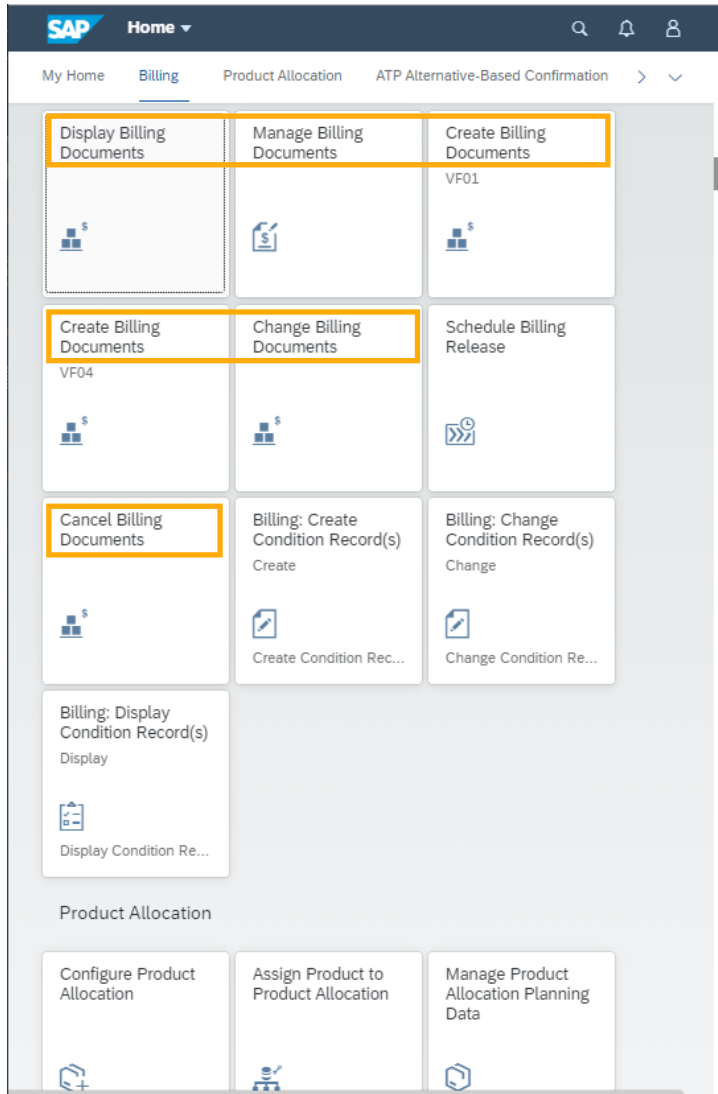
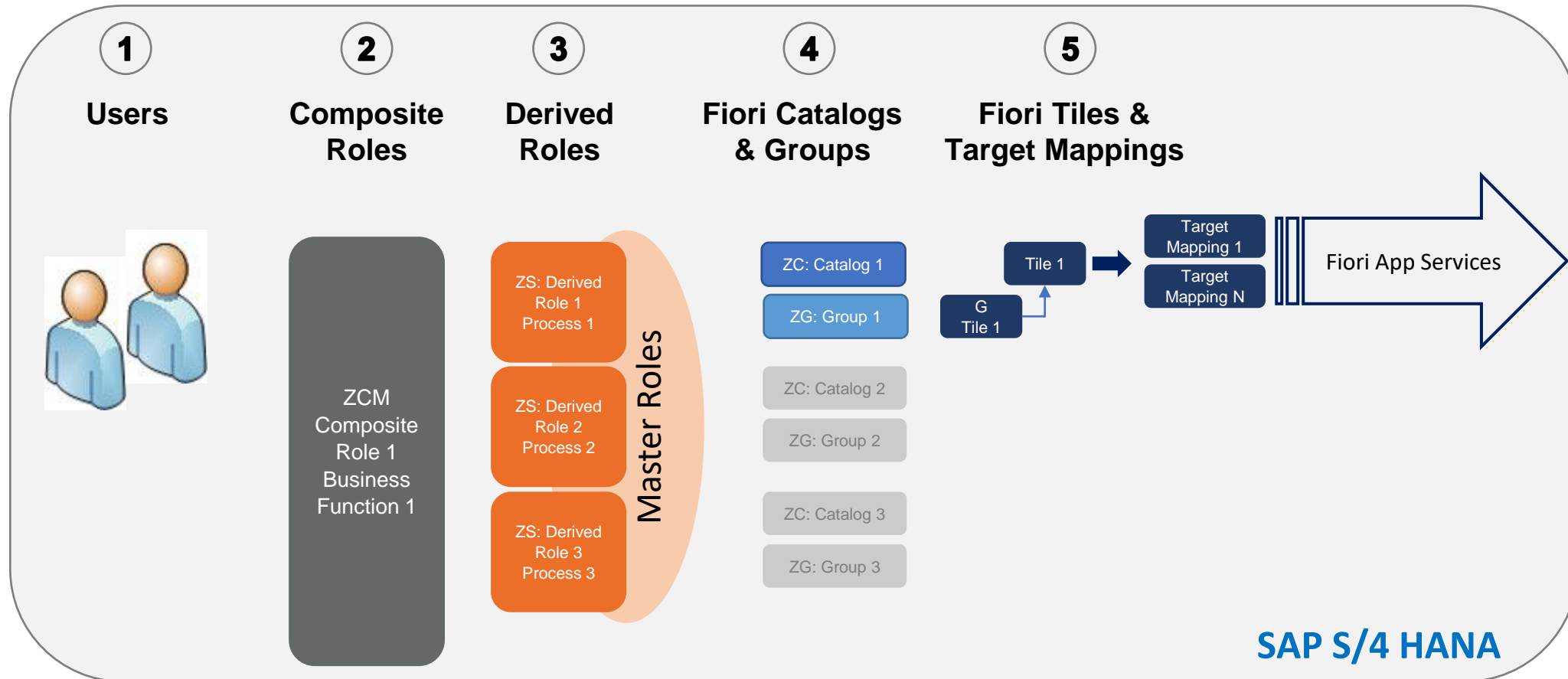| Type	Catalog /Group ID	Catalog / ...	Tile or TM Title	Subtitle	Semantic Object	Action	Tile Icon
CAT	ZC_FI_AR_BILLING	Billing					
TILE	ZC_FI_AR_BILLING	Billing	Display Billing Documents		BillingDocument	displayBillingDocument	sap-icon://S4Hana/S0007
TILE	ZC_FI_AR_BILLING	Billing	Manage Billing Documents		BillingDocument	manage	sap-icon://Fiori2/F0026
TILE	ZC_FI_AR_BILLING	Billing	Create Billing Documents	VF01	BillingDocument	createBillingDocuments	sap-icon://S4Hana/S0007
TILE	ZC_FI_AR_BILLING	Billing	Create Billing Documents	VF04	BillingDocument	manageBillingDueList	sap-icon://S4Hana/S0007
TILE	ZC_FI_AR_BILLING	Billing	Change Billing Documents		BillingDocument	changeBillingDocument	sap-icon://S4Hana/S0007
TILE	ZC_FI_AR_BILLING	Billing	Schedule Billing Release		BillingApplicationJob	scheduleReleaseJobs	sap-icon://instance
TILE	ZC_FI_AR_BILLING	Billing	Cancel Billing Documents		BillingDocument	cancelBillingDocuments	sap-icon://S4Hana/S0007
TILE	ZC_FI_AR_BILLING	Billing	Billing: Create Condition Record(s)	Create	ZSO_VV31	create	sap-icon://Fiori2/F0006
TILE	ZC_FI_AR_BILLING	Billing	Billing: Change Condition Record(s)	Change	ZSO_VV32	change	sap-icon://Fiori2/F0006

Type	Catalog /Group ID	Catalo...	Tile or TM Title	Application Ty...	Application ID	Semantic Object	Action
CAT	ZC_FI_AR_BILLING	Billing					
TM	ZC_FI_AR_BILLING	Billing	Display Billing Documents	TR	VF03	BillingDocument	displayBillingDocument
TM	ZC_FI_AR_BILLING	Billing	Application Log Messages	SAPUI5	/sap/bc/ui5_ui5/sap/nw_aps_...	ApplicationLog	showDetails
TM	ZC_FI_AR_BILLING	Billing	Manage Billing Documents	SAPUI5	/sap/bc/ui5_ui5/sap/sd_cusin...	BillingDocument	manage
TM	ZC_FI_AR_BILLING	Billing	Create Billing Documents - VF01	TR	VF01	BillingDocument	createBillingDocuments
TM	ZC_FI_AR_BILLING	Billing	Create Billing Documents - VF04	TR	VF04	BillingDocument	manageBillingDueList
TM	ZC_FI_AR_BILLING	Billing	Change Billing Documents	TR	VF02	BillingDocument	changeBillingDocument
TM	ZC_FI_AR_BILLING	Billing	Schedule Billing Release	SAPUI5	/sap/bc/ui5_ui5/sap/nw_aps_...	BillingApplicationJob	scheduleReleaseJobs
TM	ZC_FI_AR_BILLING	Billing	Cancel Billing Documents	TR	VF11	BillingDocument	cancelBillingDocuments
TM	ZC_FI_AR_BILLING	Billing	Billing: Create Condition Record(s)	TR	VV31	ZSO_VV31	create
TM	ZC_FI_AR_BILLING	Billing	Billing: Change Condition Record(s)	TR	VV32	ZSO_VV32	change

Type	Catalog /Group ID	Catalog / Gr...	Tile or TM Title	Subtitle	Semantic Object	Action	Applicatio...	Application ID
GRP	ZG_FI_AR_BILLING	Billing						
GRPT	ZG_FI_AR_BILLING	Billing	Billing: Create Condition Record(s)	Create	ZSO_VV31	create		
GRPT	ZG_FI_AR_BILLING	Billing	Billing: Change Condition Record(s)	Change	ZSO_VV32	change		
GRPT	ZG_FI_AR_BILLING	Billing	Billing: Display Condition Record(s)	Display	ZSO_VV33	display		
GRPT	ZG_FI_AR_BILLING	Billing	Schedule Billing Release		BillingApplicatio...	scheduleReleaseJobs		
GRPT	ZG_FI_AR_BILLING	Billing	Cancel Billing Documents		BillingDocument	cancelBillingDocuments		
GRPT	ZG_FI_AR_BILLING	Billing	Create Billing Documents	VF01	BillingDocument	createBillingDocuments		
GRPT	ZG_FI_AR_BILLING	Billing	Create Billing Documents	VF04	BillingDocument	manageBillingDueList		
GRPT	ZG_FI_AR_BILLING	Billing	Change Billing Documents		BillingDocument	changeBillingDocument		
GRPT	ZG_FI_AR_BILLING	Billing	Display Billing Documents		BillingDocument	displayBillingDocument		
GRPT	ZG_FI_AR_BILLING	Billing	Manage Billing Documents		BillingDocument	manage		

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The Complete Picture

The Fiori Reference Library

Custom Apps

1 Users

2 Composite Roles

3 Derived Roles

4 Fiori Catalogs & Groups

5 Fiori Tiles & Target Mappings

ZCM Composite Role 1 Business Function 1

ZS: Derived Role 1 Process 1

ZS: Derived Role 2 Process 2

ZS: Derived Role 3 Process 3

Master Roles

ZC: Catalog 1

ZG: Group 1

ZC: Catalog 2

ZG: Group 2

ZC: Catalog 3

ZG: Group 3

Tile 1

G Tile 1

Target Mapping 1

Target Mapping N

Fiori App Services

SAP S/4 HANA

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• Wrap up

Best Practices & Lessons Learned

- Leverage values delivered by SAP Fiori

- Enhance user experience by aligning launchpad to business processes

- Plan your UI Strategy, integrate with your security model
  - Identify your Role to Fiori Catalog/Group requirements and follow development lifecycle

- Update your security development & change management standards to include Fiori
  - Maintain Fiori App documentation
  - Fiori consistency checks
  - Transporting Fiori content

- Leverage the Fiori Reference Library
  - Product Features, Implementation Information and Related Apps

- Give enough time to Plan and Design before you execution; Avoid Rework

- As you add Fiori to your landscape, budget for development, testing and maintenance efforts in your projects or operations

- Spend time on defining robust governance model and reporting solution

- Plan for team member trainings, skill development

- Ensure version compatibility, review implementation information and related notes

- Watch for App content, Tile names, information and all components

- SAP Patches impacting Fiori Apps

- Not a complete replacement to GUI

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Thank You

Questions?

For questions after this session, contact us at JDakhawe@Novavax.com

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