

Fiori Launchpad, Security, Element, Extension Training

<http://www.anubhavtrainings.com>



Duration: 50+ Hours

Target Audience: Developers, Architects, Basis Consultants, GRC/Security Consultants

Pre-requisite: SAP UI5 and Fiori Development with OData Basics

FIORI Consultant & FIORI Designer: You are working as a Fiori Developer in a company, your current expertise is into UI5 and Fiori development for custom apps. You want to learn latest concepts related to tooling and best practices in Fiori development, Elements, Extensions, Security, Cloud. You also have been asked to install and configure standard Fiori Apps and manage the security aspects of the apps.

<https://www.anubhavtrainings.com/launchpad-and-extension-training>

Learn Latest concepts on Fiori Elements, Security, Extension, Launchpad



Introduction to SAP Fiori Design and Development process

- What is SAP Fiori
- What is SAP S/4HANA ?
- Introducing Fiori UX guidelines and development process
- Fiori 3 introduction

Fiori System Architecture

- Introduction to Fiori Frontend (Gateway) and Backend system
- Enablement of gateway
- Working with system aliases
- Configuring RFC Connections
- Installation guide introduction
- Activation of Standard OData Services
- Fiori **Rapid Deployment** and Tasks lists
- Standard Services and Role for Administrators and Users
- Debugging and Troubleshooting Fiori Apps

FIORI Installation & Upgrade

- Introduction to Fiori App Reference library
- Understanding the Frontend and Backend requirements
- Installation of Fiori app using Maintenance planner
- Understand **Fit-to-Standard** Process for Fiori Implementation
- Checking version of UI5 in MIME
- Upgrading UI5 Library using MIME
- Rapid Activation of Standard Apps
- Task Lists in activation with Anubhav Trainings

Main Fiori Tools in S/4HANA

- Launchpad Designer – available since SAP Business Suite
- Mass Maintenance App Descriptor – available since SAP S/4HANA 1511
- SAP Fiori launchpad content manager – available since SAP S/4HANA 1709
- Launchpad App Manager – available from SAP S/4HANA 2020
- SAP Fiori launchpad content manager – available since SAP S/4HANA 1709
- SAP Fiori app F2814 Manage KPIs and Reports – available since SAP S/4HANA 1909

FIORI Launchpad and Content

- Introduction to Fiori launchpad
- Troubleshooting tips for launchpad
- Launchpad debugging
- Introduction to Catalogs, Groups
- **New Concepts of Launchpad Spaces, Pages, & Sections**
- Replication and Mass replication of launchpad content
- Delivered standard content
- Translating launchpad content
- Launchpad Cache concepts
- Fiori Launchpad designer to add custom Apps
- Fiori Theme Designer
- Configure Fiori Login and Logout pages
- Using Fiori launchpad search options
- Cross App Navigation

FIORI Security

- PFCG Roles with Anubhav Trainings
- Create Roles for System Administrator
- Create Roles for launchpad user
- Create Roles for Business Users
- OData security with roles

Getting Started with Development

- Introduction to Business Technology Platform
- Connecting to Business Application Studio in BTP
- Migrate Fiori Apps from SAP WebIDE to BAS
- Quick recap of all the files which exist in Fiori project
- Setup SAP Cloud Connector and Destination in SAP BTP for Connection
- Demo Scenario for Fruit Store

Introduction to Node.js

- Node JS Introduction with NPM with Anubhav
- Creating simple Node App with VS Code
- Node Modules with Anubhav Trainings
- Understand Node JS eco-system and modules

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- Understanding package.json and npm repository
- SAP public modules for node development

Local Development using VS Code and UI5 Tooling (WebIDE is dead)

- Installing VS Code Development tool in local system
- Introduction to Node JS
- UI5 tooling, middleware for proxy, deployment, packaging, connection
- Working with sap ui5.yaml files
- Setup Fiori Guided Development Toolkits and Generators
- Yeoman generator with Anubhav Trainings
- Manage end to end fiori app lifecycle
- Mock Server implementation
- Fiori Launchpad sandbox for local testing
- Using CI/CD using Jenkins for Fiori Apps
- PDF generation using SAP UI5
- SAP Fiori Ints

Fiori on Cloud

- Develop Applications using BAS
- Working with Git HUB in Business Application Studio
- Understand SAP BTP Architecture and Backing Service
- Using Cloud Connector to connect to BTP
- Create Service destinations in BTP
- Use html-5-repo-runtime service
- Understand Fiori Managed App Router and XSUAA
- Deploy App to Fiori launchpad service in Cloud
- Grant permission using Roles in cloud using xs-security.json
- Creating and working with dynamic destination
- CI/CD and Cloud Transport Management Service in SAP BTP

Fiori Unit and Integration Tests

- QUnit Testing for JS logic (Headless)
- OPA5 End to end tests for UIs
- UIVeri5 for integration tests

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FIORI Extensions

- SAP Business Application Studio extensions pane
- Extend standard Fiori App – Freestyle Type
- Extend CDS Views with Custom fields and Extend Fiori Apps using key user tool
- Extend Standard OData services
- Basic concepts of S/4HANA In-App Extensions

Fiori Elements Development

- Understanding concepts of annotations
- Benefits of Fiori Elements, approaches and comparison with freestyle app
- Start Fiori Guided development and annotation modeler in BAS/VSCode
- Develop Fiori List Report Applications
- Develop List Report in OData V4
- Develop Fiori Overview Page Application
- Develop Fiori Analytic List Page
- Develop Custom Analytic App – Save thousands of dollars with Anubhav on SAC
- Fiori App integration with SAP Analytics Cloud

KPI Modeler and S/4HANA

- KPI Modeler in S/4HANA
- Configure KPI and create the app