UX122 – SAP Fiori UX for SAP S/4HANA: How This Affects Your Applications in SAP GUI

Speakers

Las Vegas, Sept 19 - 23

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Bangalore, October 5 - 7

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Barcelona, Nov 8 - 10

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Agenda

SAP Fiori Visual Theme for Classic Applications

Using the SAP Fiori Visual Theme with Classic Applications

Adaptation of SAP GUI Applications for SAP Fiori Visual Theme

Web Dynpro ABAP Specific Features

Summary and Outlook

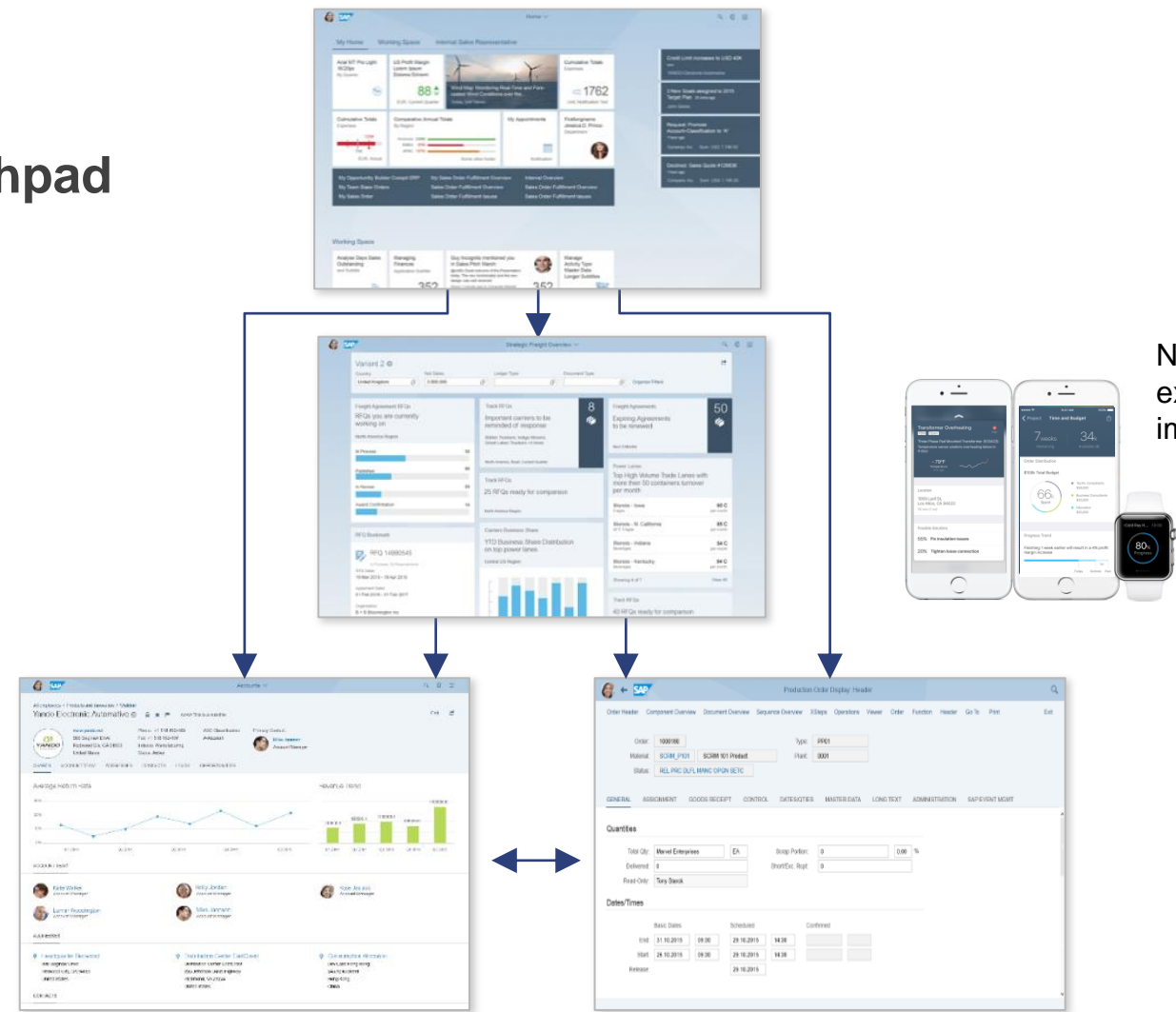# SAP Fiori Visual Theme for Classic Applications

SAP Fiori: The User Experience of SAP S/4HANA

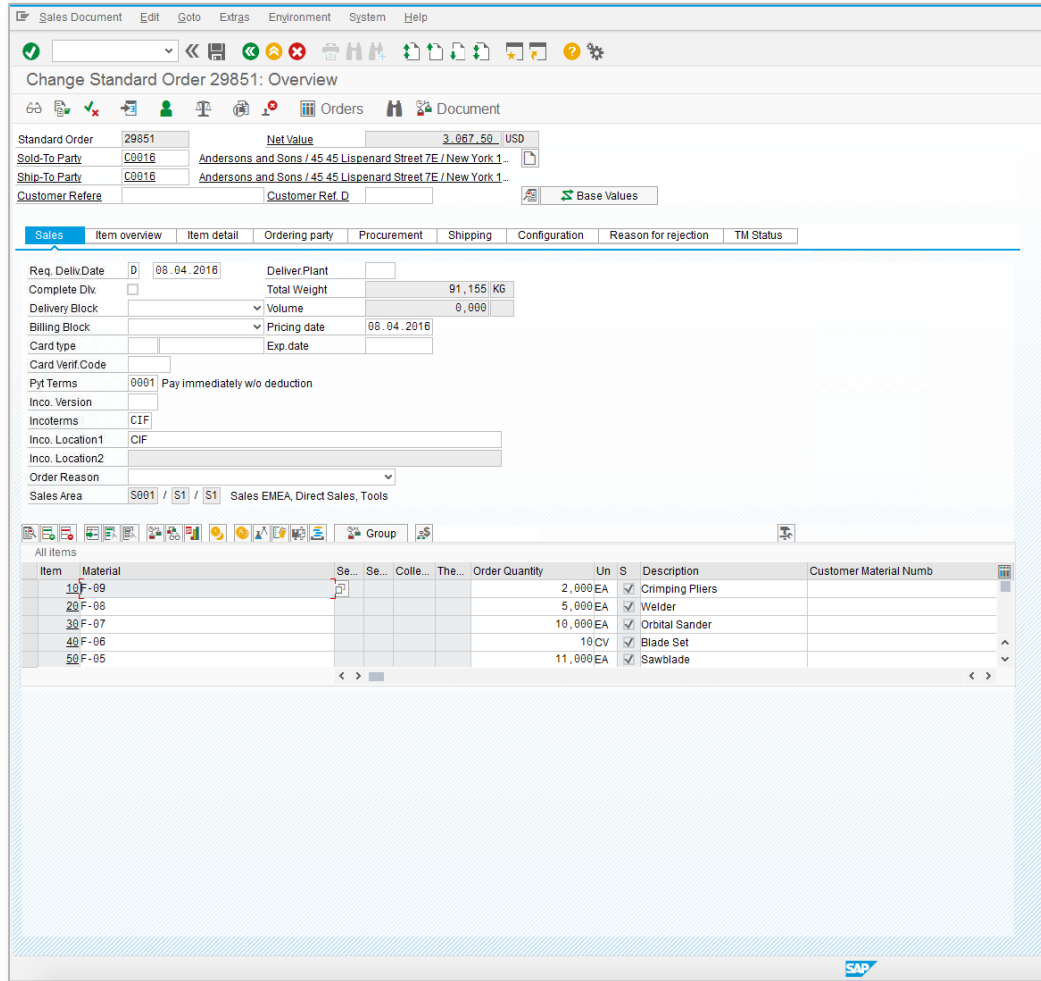**Single entry point via SAP Fiori launchpad**

Domain-specific infos and actions

Native iOS mobile experience for high-impact scenarios

Enter details and explore in depth

This is the current state of planning and may be changed by SAP at any time.

Shortcomings of Classic Applications Design in SAP Fiori 1.0

Transaction VA02 using Blue Crystal theme in SAP GUI for Windows

- Different sizes of fonts and screen elements

- Control design and colors different

- Different icons

- No adoption of application design

- Different interaction

Definition of Classic Applications:

- SAP GUI, Web Dynpro ABAP

Elements of the SAP Fiori Visual Theme for Classic Applications

One visual design "Belize" for all Fiori applications: same colors, control design and form factor

Text toolbar instead of Icons

Right-aligned labels

New icons

Condensed table rows

Merged Fiori header

Tab strips with SAP Fiori visualization

New footer with processing and closing actions, e.g.„*Save*"
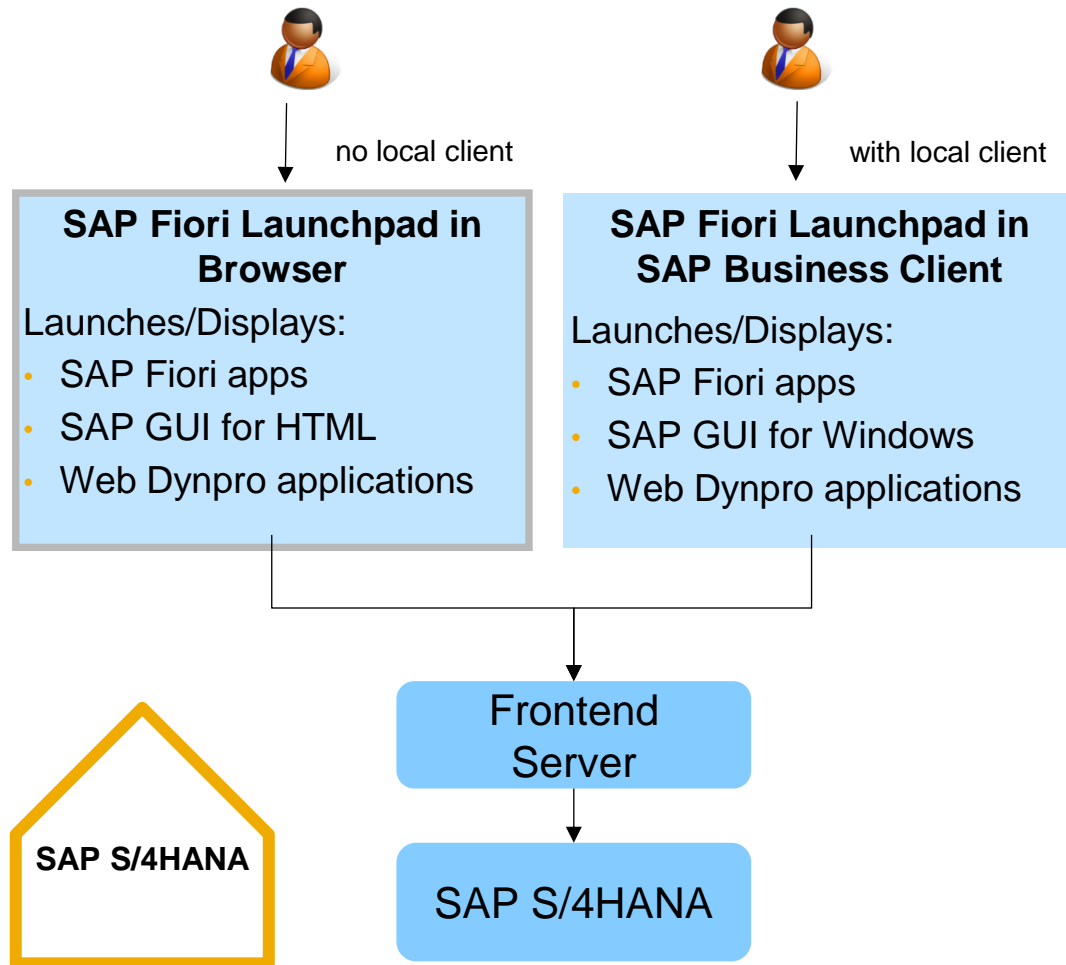
Demo: Create Sales Order

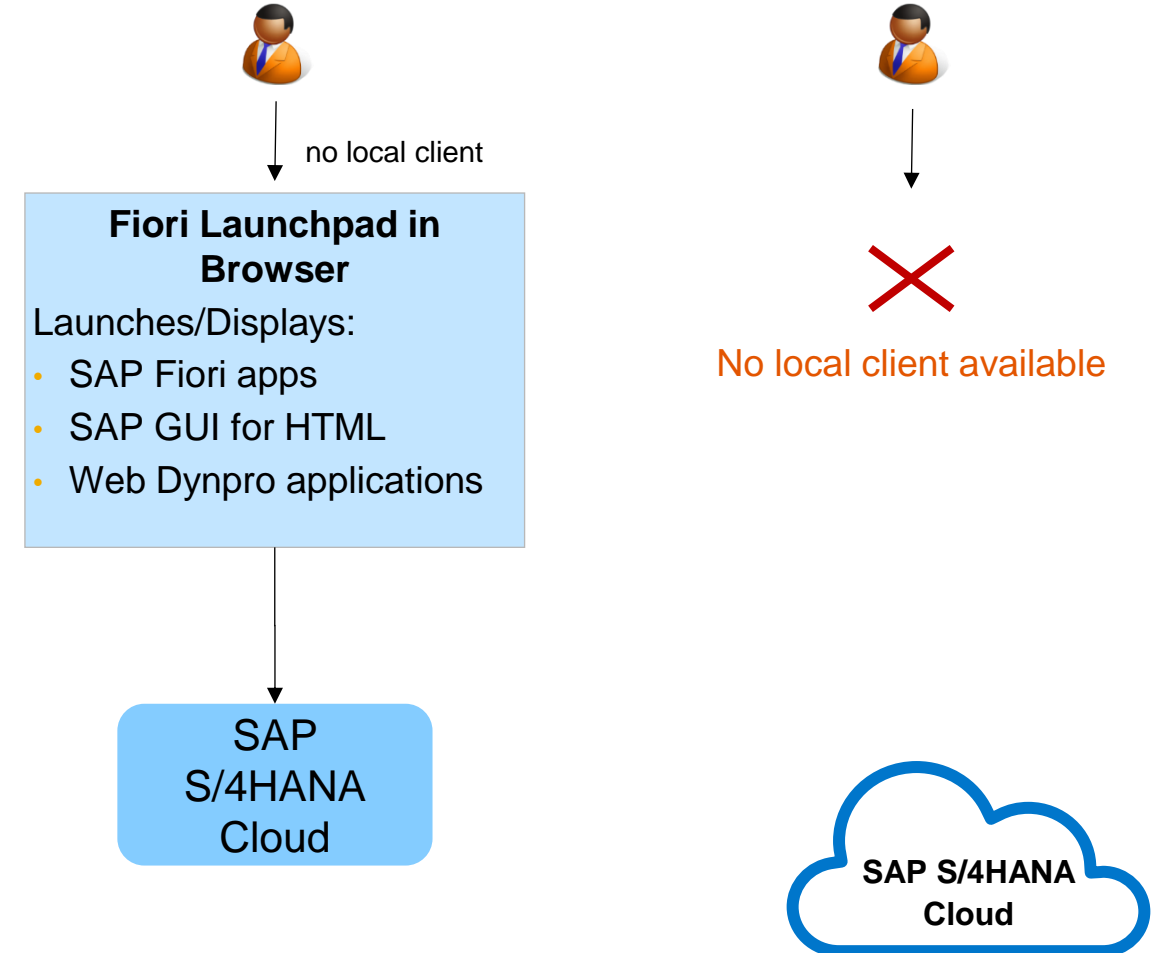Transaction VA02 using Belize theme in Fiori launchpad

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Using the SAP Fiori Visual Theme with Classic Applications

Planned Client Options for SAP S/4HANA

SAP S/4HANA

no local client

SAP Fiori Launchpad in Browser

Launches/Displays:
- SAP Fiori apps
- SAP GUI for HTML
- Web Dynpro applications

with local client

SAP Fiori Launchpad in SAP Business Client

Launches/Displays:
- SAP Fiori apps
- SAP GUI for Windows
- Web Dynpro applications

Frontend Server

SAP S/4HANA

SAP S/4HANA

SAP S/4HANA Cloud

no local client

Fiori Launchpad in Browser

Launches/Displays:
- SAP Fiori apps
- SAP GUI for HTML
- Web Dynpro applications

No local client available

SAP S/4HANA Cloud

SAP S/4HANA Cloud

This is the current state of planning and may be changed by SAP at any time.

Belize Support in SAP GUI for Windows / SAP Business Client

Overall goal: Offer consistent Belize theme in all SAP GUIs / SAP Business Client

New SAP GUI / SAP Business Client releases introduce Belize functionality:

- **SAP GUI for Windows 7.50 / SAP Business Client 6.5 (planned in Q2/2017)**
  - SAP GUI for Windows 7.50 with Belize theme showing all features SAP GUI for HTML presently has
  - SAP Business Client 6.5 with Belize theme embedding SAP GUI for Windows 7.50
  - Combined shipment on one installation media

Recommendations:
- SAP GUI for HTML is the recommended SAP GUI for running Belize theme (complete feature set)
- For a full, native Belize experience wait for SAP GUI for Windows 7.50 / SAP Business Client 6.5

SAP Business Client 6.5 – Embedding Scenarios (Preview)

Fiori launchpad and Fiori apps on dedicated tab

- Full shell header including SAP Fiori launchpad functionality (e.g. Me Area, branding, search, etc.)

SAP GUI for Windows 7.50

- Minimal shell header including *Back* button, branding and title
- For other functions, switch to FLP tab

Availability of the SAP Fiori Visual Theme for Classic Applications

Availability of SAP Fiori visual theme "Belize"

SAP GUI for HTML	Planned for SAP S/4HANA 1610/Cloud 1608
SAP GUI for Windows	Planned for SAP GUI for Windows 7.50 (*) in Q2/2017
Web Dynpro ABAP	Planned for NetWeaver 7.51 / SAP_UI 7.51
SAP Business Client	Planned for SAP Business Client 6.5 in Q2/2017

Usage of old themes

- Switch back to old theme possible (except SAP Fiori launchpad)
- All new features switched off
- **Please note:** SAP strongly recommends the use of the new SAP Fiori visual theme

(*) Belize theme only supported when connected to SAP S/4HANA system starting with SAP S/4HANA 1610 FPS2

SAP Recommendation to Add Custom Applications to SAP Fiori

Key and most-used applications ➡ **Create new SAPUI5-based Fiori applications**

- Get full SAP Fiori experience
- Access to all SAP Fiori features

Remaining applications or as bridge solution ➡ **Adapt to SAP Fiori visual theme for Classic Applications**

- Have same visual theme for all SAP S/4HANA applications
- Improve user design and experience of legacy applications
- Integrate applications into SAP Fiori launchpad
- Save development effort

Classic Applications in SAP Fiori vs. SAPUI5-based Applications

SAP Fiori Features Available for Classic Application

- Fiori launchpad integration

- Fiori visual theme "Belize" including:

  - Colors, sizes, control design

  - Icons

- Fiori header and footer

- Text instead of icons

- Fiori Specific Controls

  (Web Dynpro ABAP only)

SAP Fiori Features Not Available for Classic Applications

- Fiori interaction

- Fiori-specific controls

- Mobile devices support

- Responsive design

- Touch support

- Further Fiori features and innovations

Add Classic Applications via SAP Fiori Catalogs
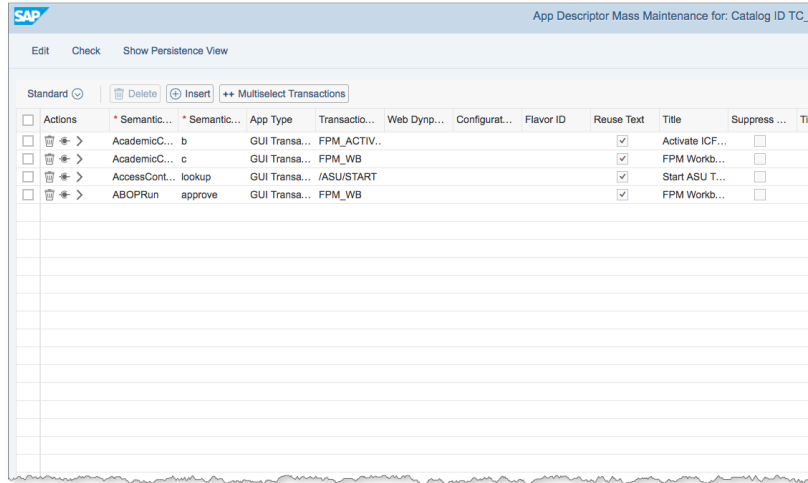
1. Create App Descriptor

- Via Mass Maintenance Tool: WDA App SUI_TM_MM_APP

- For SAP GUI transactions

- For WDA applications
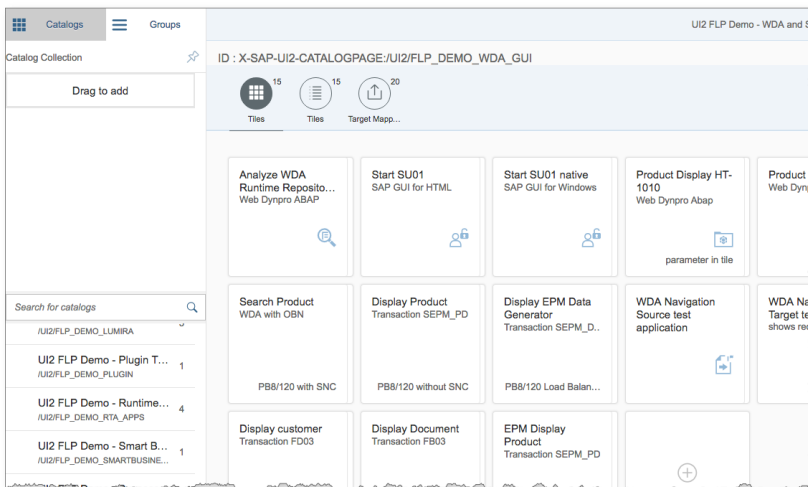
2. Add Applications to SAP Fiori Catalog

- Via SAP Fiori launchpad designer

Add Classic Application from SAP Menu and User Menu

App Finder

Browse through User Menu and SAP Menu to add Web Dynpro ABAP and SAP GUI applications to personal SAP Fiori launchpad
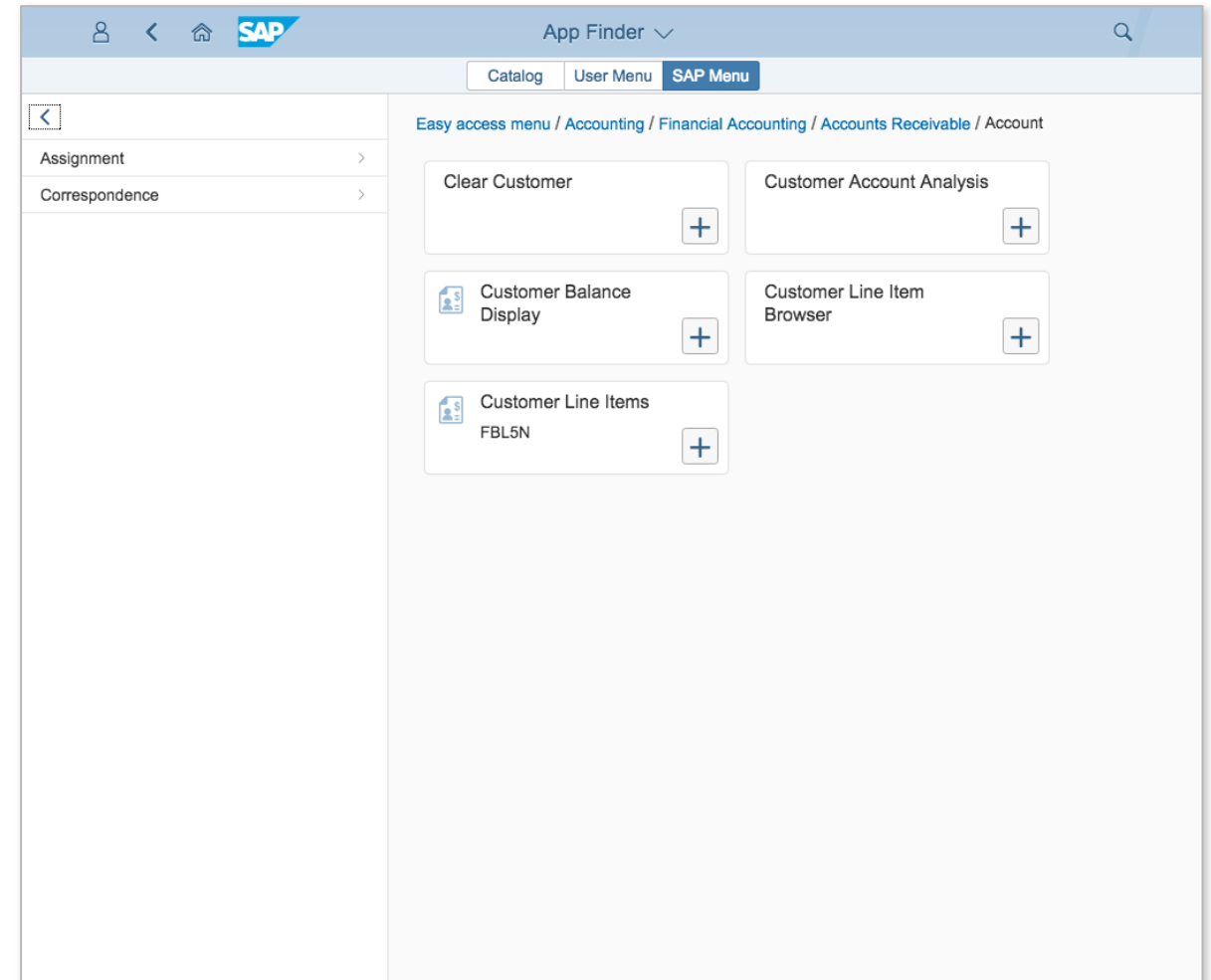
Adaptation of SAP GUI Applications to SAP Fiori Visual Theme

Why Adapt SAP GUI Applications to SAP Fiori?

Usability Issues That Are Emphasized by The New Theme

Causes of Usability Issues:

- Badly maintained texts for GUI functions
- Wrong usage of icons
- Large screens without resizing

Adoption is Required to Get Best User Experience

- Optimize header and footer toolbar
- Make use of new theme specific features
- Improve screen layout

Please keep in mind when using SAP GUI for HTML:
- Functional restrictions → SAP Note 314568

Adaptation Tools

Usage of standard SAP tools including additional properties for the SAP Fiori visual theme

- Graphical Screen Painter

- Menu Painter

- ABAP Editor
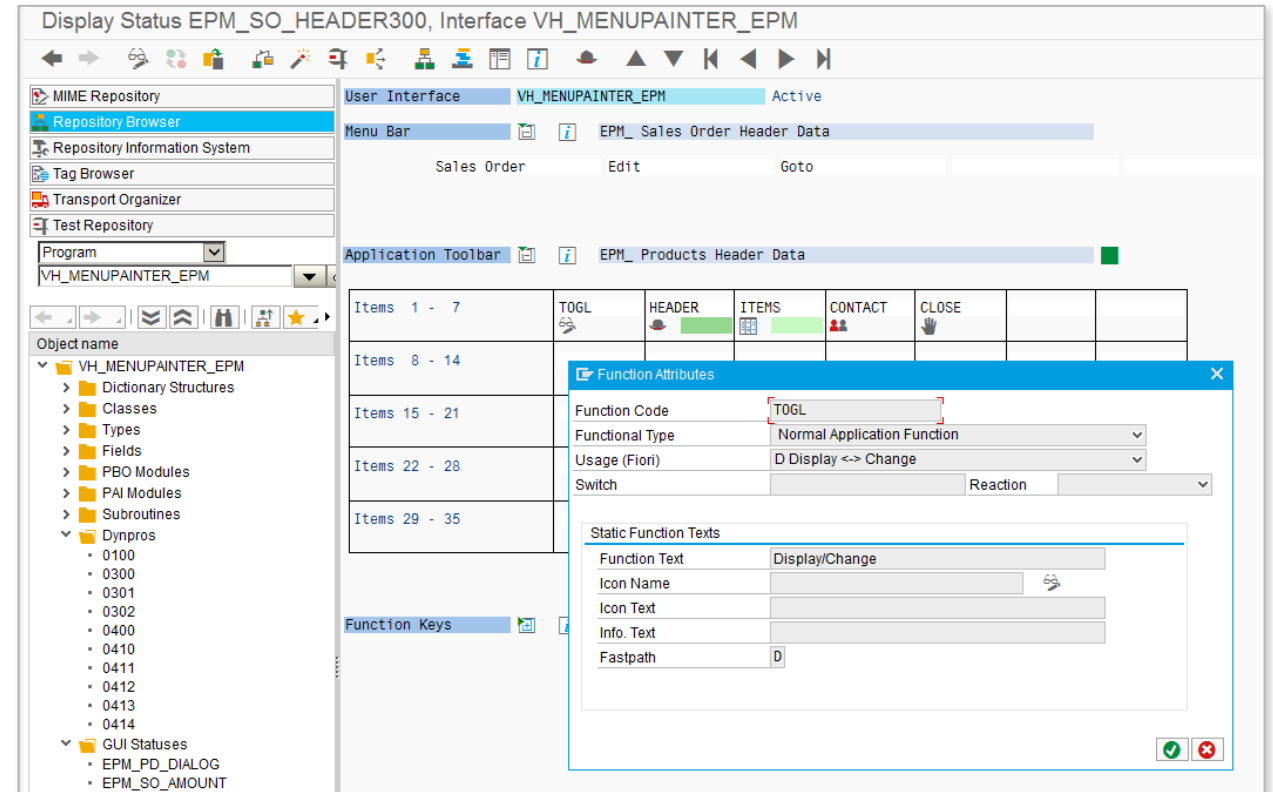
Menu Painter in ABAP Workbench

Demo: Example Adaptation

Application Adaptation: GUI Status

General

- Ensure self-explanatory texts

- Hide less important, and remove unwanted functions
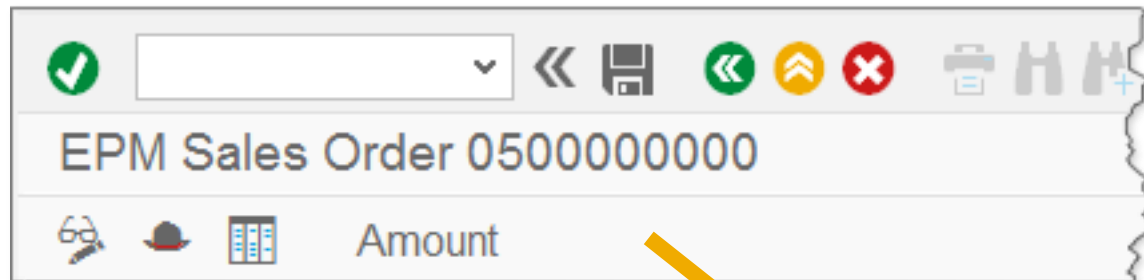
Special Functions

- Closing actions (Footer)

- *Enter* button

- *Display/Change* button

- View switch

- Popup window buttons
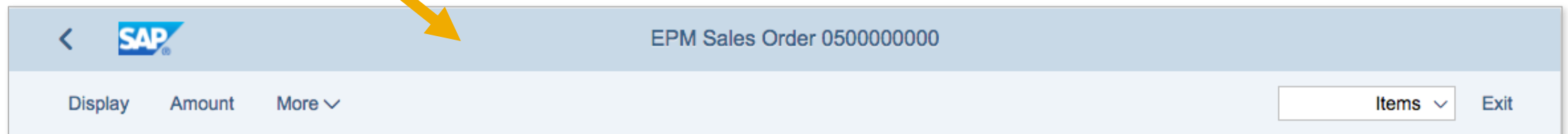
Application Adaptation: Dynpro

Sizing and Spacing

- Remove unnecessary horizontal scrollbars

- Add proper spacing (e.g. above TabStrip, Tables)

Alignment

- Add missing label assignments

- Fix CheckBox & RadioButton alignment

Icons

- Correct use of status icons

- Semantic and consistent icon usage

Application Adaptation: Additional topics

SAP GUI for HTML Specific Restrictions

- See SAP Note 314568

Selection Screens

- Alignment of CheckBoxes and RadioButtons

Full Screen ALV / ABAP Lists

- Standard functions are still displayed as icons

- Recommendation for ABAP Lists: Convert to ALV Grid

Application Adaptation: New Features

Table Item Count

Table Navigation Button

Wrap-up: Adaptation Procedure

For all screens of your SAP GUI applications

1. Check header & footer

2. Check element alignment in content area

3. Check for structure of screen and unnecessary scrollbars

4. Directly solve issues using Menu Painter and Screen Painter

A guideline for adaptation will be available as part of SAP Fiori 2.0 welcome package.

Web Dynpro ABAP Specific Features

Highlights of SAP Fiori Visual Theme for Web Dynpro Applications

- Fiori control design, colors and sizes

- Fiori filter bar
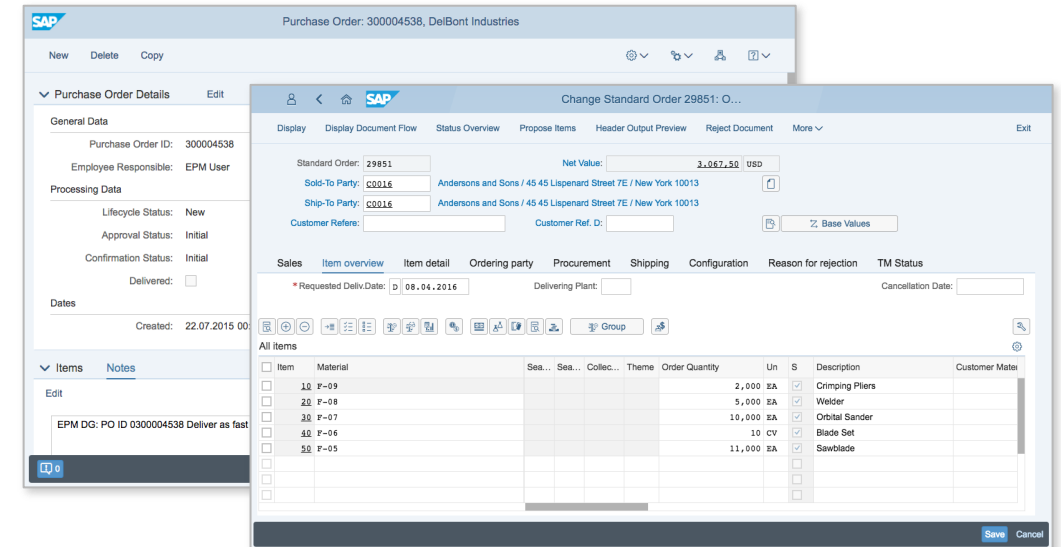
- Fiori value help

- Fiori message popover
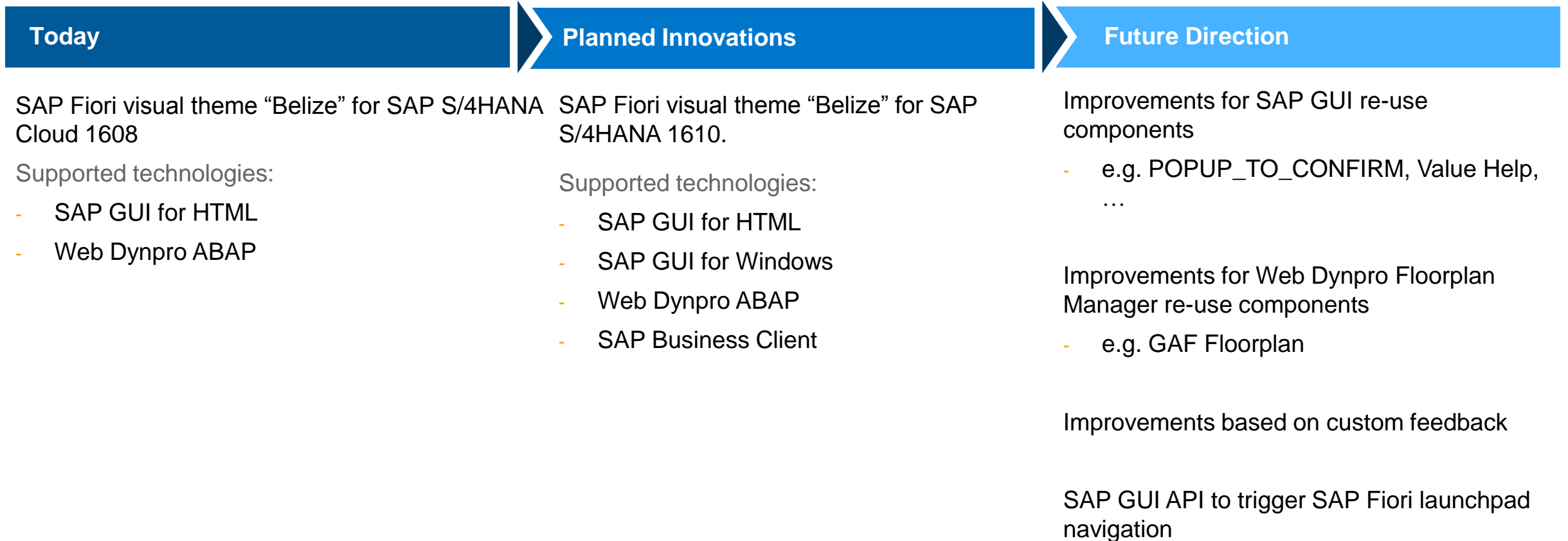
- New icons

Demo: Web Dynpro ABAP

Summary and Outlook

Summary

- SAP Fiori is the UI for SAP S/4HANA

- Classic applications support the SAP Fiori visual theme but not all Fiori features

- The theme will be supported for SAP GUI for HTML/Windows and Web Dynpro ABAP

- Adaptation of customer and partner applications to the new theme is strongly recommended
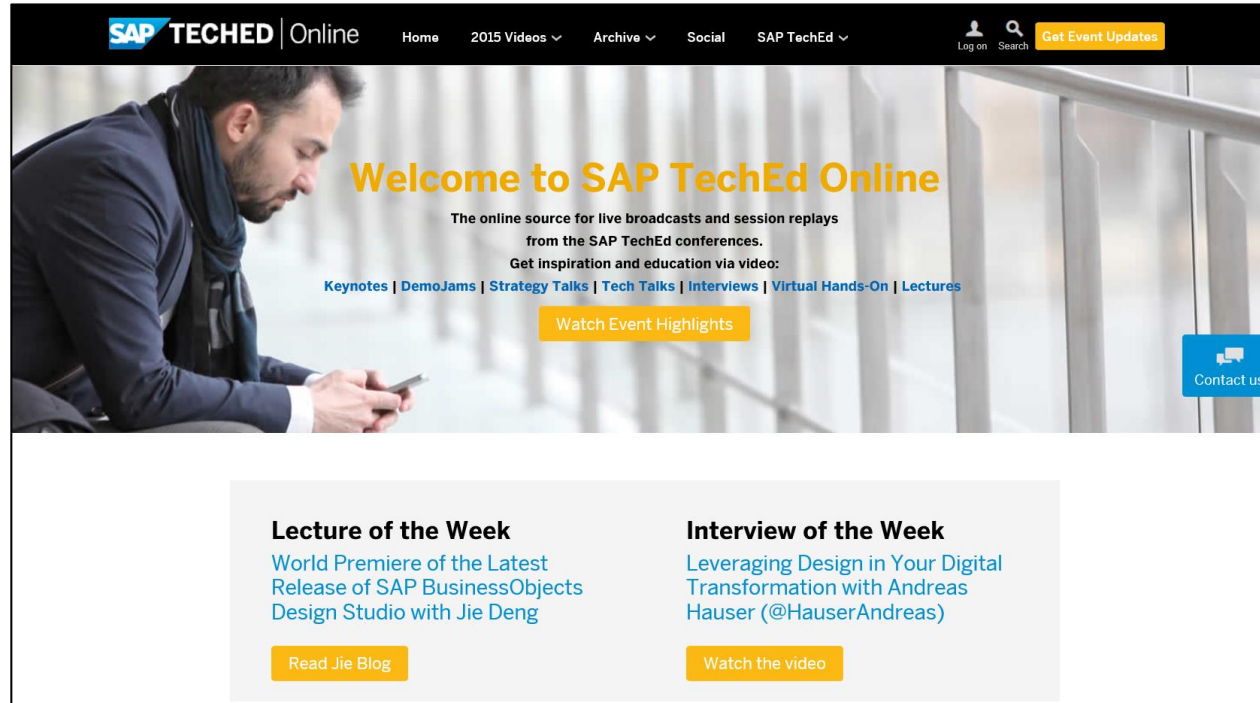
Product Road Map

Today	Planned Innovations	Future Direction

Today

SAP Fiori visual theme "Belize" for SAP S/4HANA Cloud 1608

Supported technologies:

- SAP GUI for HTML
- Web Dynpro ABAP

Planned Innovations

SAP Fiori visual theme "Belize" for SAP S/4HANA 1610.

Supported technologies:

- SAP GUI for HTML
- SAP GUI for Windows
- Web Dynpro ABAP
- SAP Business Client

Future Direction

Improvements for SAP GUI re-use components

- e.g. POPUP_TO_CONFIRM, Value Help, …

Improvements for Web Dynpro Floorplan Manager re-use components

- e.g. GAF Floorplan

Improvements based on custom feedback

SAP GUI API to trigger SAP Fiori launchpad navigation

This is the current state of planning and may be changed by SAP at any time.

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Further information

Related SAP TechEd sessions:

TEC116   UX/UI Strategy for SAP S/4HANA

UX101   UI Technologies and Clients from SAP in Times of SAP Fiori and SAP S/4HANA

UX124   Update on SAP Business Client and the SAP GUI Interface Family

UX719   Speed Up Integration of Web Dynpro for ABAP into SAP Fiori launchpad

UX603   Create a Theme Using UI Theme Designer Like a Pro

UX717   Making Custom Themes Future-Ready

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