

Penn State – We are Continuing Our Journey to Operational Excellence



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March 28th
Session time is from 11:30am-12pm.

Meet Our Penn State SIMBA Team



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NIMBL



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Agenda

- What is SIMBA?
- Key Challenges
- SIMBA 3 in 1 Approach
- Turning on New Modules
- Business Process Management
- Change Impact Analysis and Testing Solutions
- Digital Adoption Platform (DAP)
- Future Roadmap & Closing / Key Take Aways

What is SIMBA?

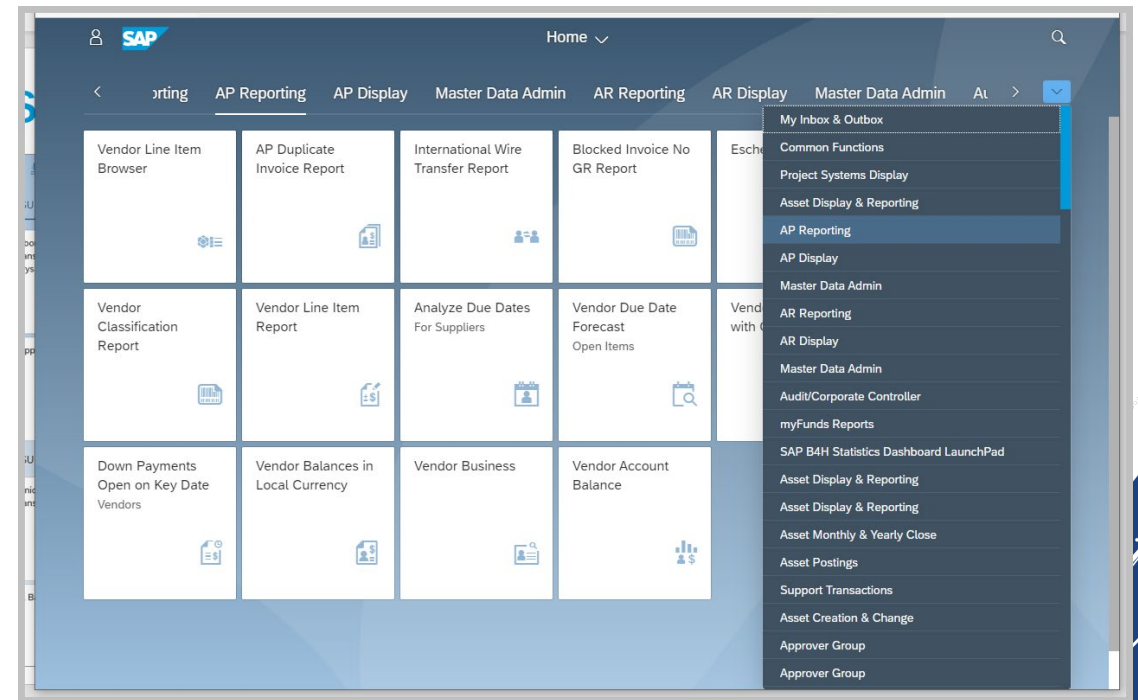
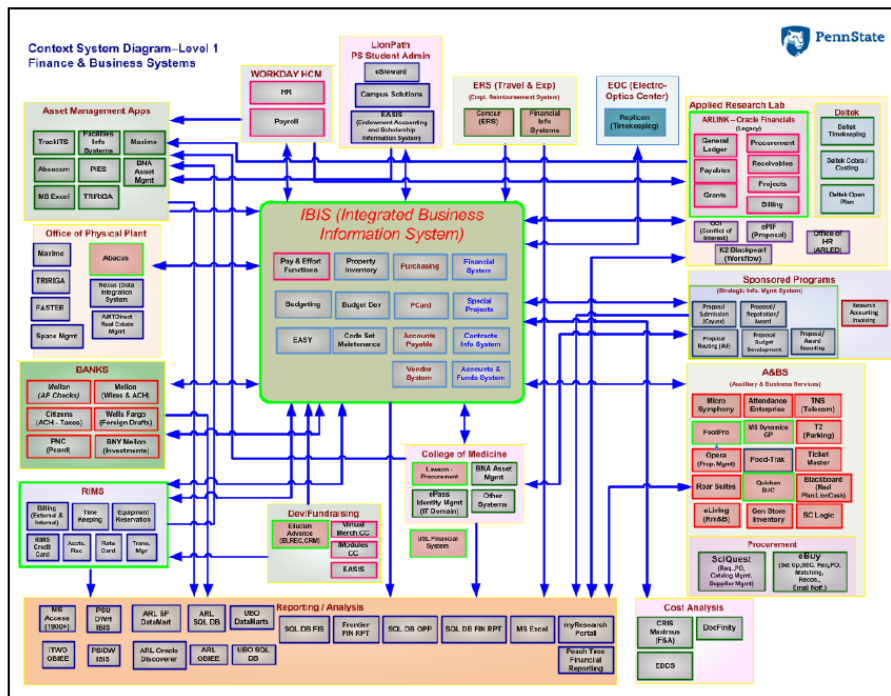


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SIMBA

SYSTEM FOR INTEGRATED
MANAGEMENT + BUDGETING + ACCOUNTING

Penn State's replacement of its homegrown mainframe-based business information system.



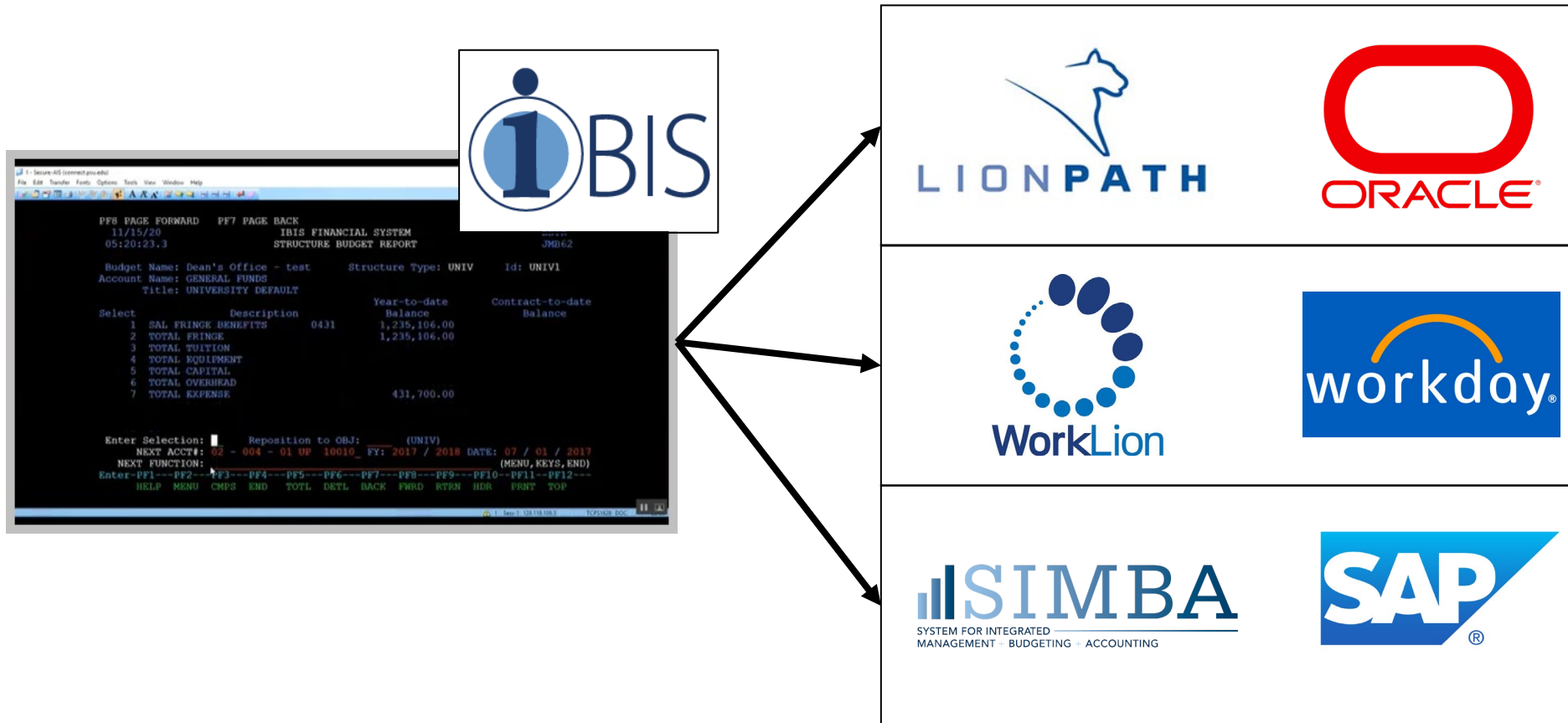
Our Journey

[Click to play video](#)

In the beginning there was IBIS...



Penn State's ERP Journey



Key Challenges



Key SIMBA Challenges

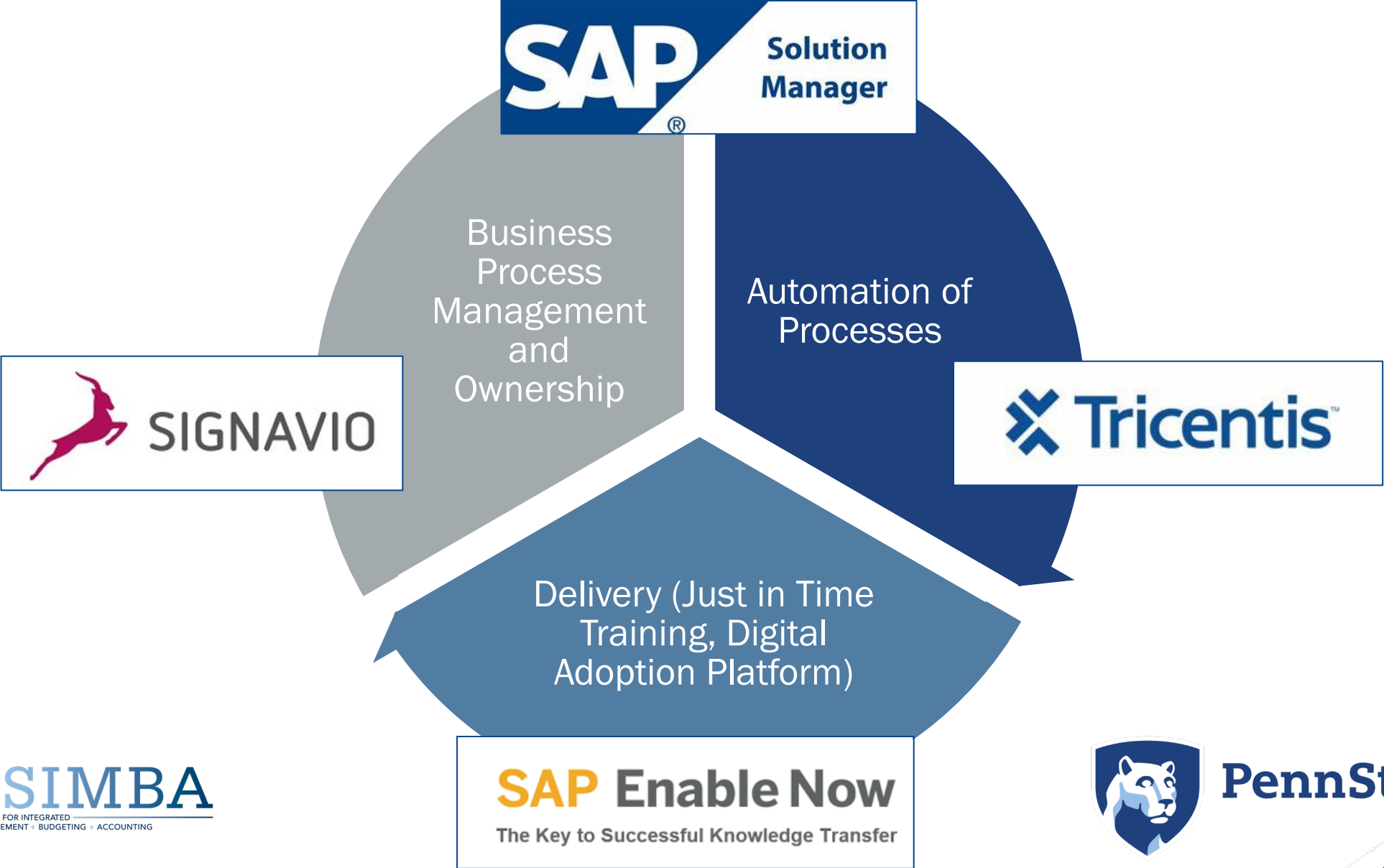
- Exposure of **Business operations** issues that needed to be addressed (**Introspection**)
- **Apprehension** surrounding the introduction of the **new system** (**Change Fatigue**)
- **Training** and **interaction** with colleagues and partners **virtually** (**Hybrid Experience**)
- **Remote work was new** for the higher education industry and required a major **culture shift**.
- **Anxiety related to the software** itself too. We broke up a long and comfortable relationship between our users and the mainframe. (**Loss of the Comfort**)
- **Distributed nature** of our **university**. (twenty-four campuses across Pennsylvania + remote work) (**One University Geographically Distributed**)
- **Ongoing training** of > 5,000 employees (**Sustainable and Meaningful Training Approach**)

SIMBA 3 in 1 Approach



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SIMBA 3 in 1 Approach



Turning on New Modules



Click to play video

Where did we start and next steps?

1980's Mainframe to 2020 SAP SIMBA

Legacy System

11/15/20
0510105.1

UNIS FINANCIAL SYSTEM
STRUCTURE BUDGET REPORT

Budget Report: 0510105.1 - 1995 Structure Types: DMIV 0079
Account Books: GENERAL FUND 0000

Title: UNIVERSITY - BUDGET

Object	Description	Time for Sale Balance	Contract for Sale Balance
0	TOTAL FUND		
1	RECURSIVE	0100	111,994.00
2	ADMIT EXPEND	0105	149,144.00
3	NON-ACAD SALARY	0110	990.00
4	STU HOUSING BDRS	0111	72,276.00
5	NON-ACAD SAL	0112	1,276,036.00
6	ST MULTI SEAS	0114	72,276.00
7	TOTAL SALARY		991,994.00
8	TOTAL BDRS		
9	TOTAL BUDGET		
10	TOTAL ALLOTMENT		

Enter: 0510105.1 Report Date: 05/01/2001
NEXT ACTION: 05/01/2001 05/01/2001 05/01/2001 05/01/2001 05/01/2001
MEMO: 0000,0001

Enter: F11 F12 F13 F14 F15 F16 F17 F18 F19 F20 F21 F22 F23 F24 F25 F26 F27 F28 F29 F30 F31 F32 F33 F34 F35 F36 F37 F38 F39 F40 F41 F42 F43 F44 F45 F46 F47 F48 F49 F50 F51 F52 F53 F54 F55 F56 F57 F58 F59 F60 F61 F62 F63 F64 F65 F66 F67 F68 F69 F70 F71 F72 F73 F74 F75 F76 F77 F78 F79 F80 F81 F82 F83 F84 F85 F86 F87 F88 F89 F90 F91 F92 F93 F94 F95 F96 F97 F98 F99 F00

SIMBA System

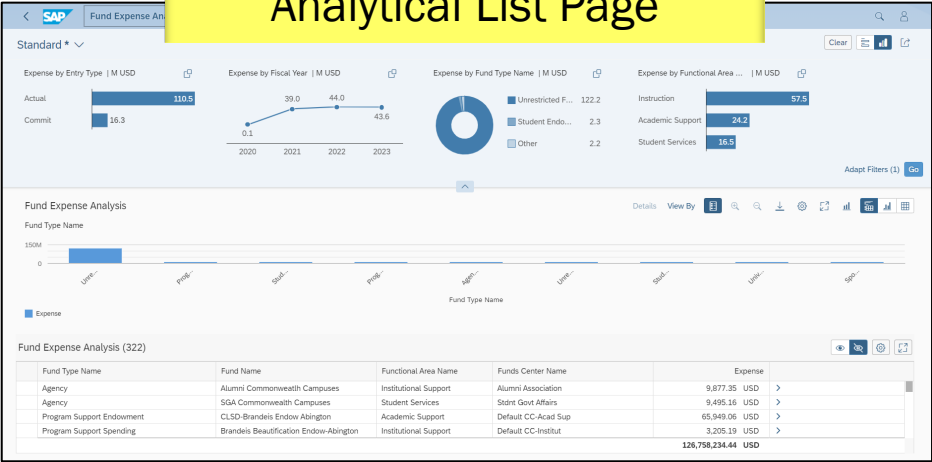
SAP

Menu: F1 - Reporting Design L2 - Contract Reporting L3 - Planning Effect Certification Report Design L4 - Planning - Reporting On

Labour Distribution - Plant Status Report	Labour Distribution - Employment/Shift Pay Report	Task Time Accounting (W/L) - All Timecards	Labour Distribution - Variable Time 30 Days Report	Labour Distribution - PT and CCPM Report	Labour Distribution - Tutor Report
Task Time Accounting (W/L) - Timecard Manager	Task Time Accounting (W/L) - Timecard Report	Labour Distribution - Annual by Account	Labour Distribution - Annual Totals	Labour Distribution - Pay Period with Account Info	Labour Distribution - Pay Period Totals

Turning on New Modules Example

Analytical List Page

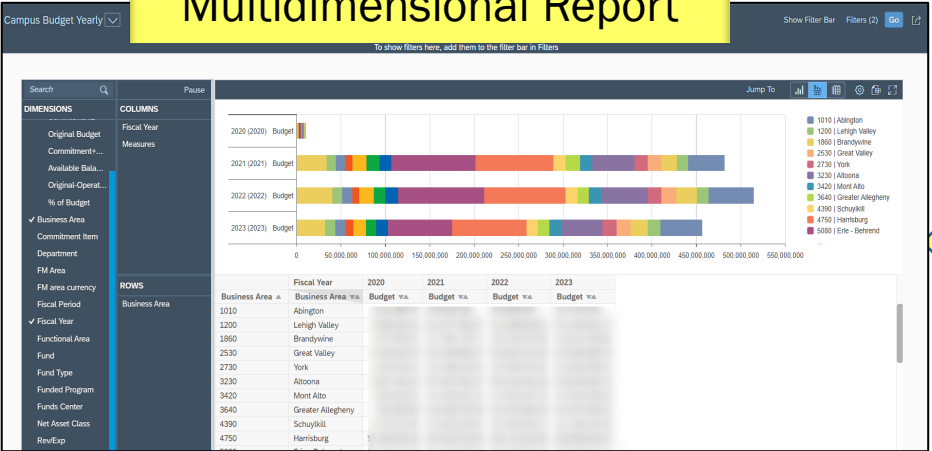


Smart Business KPIs

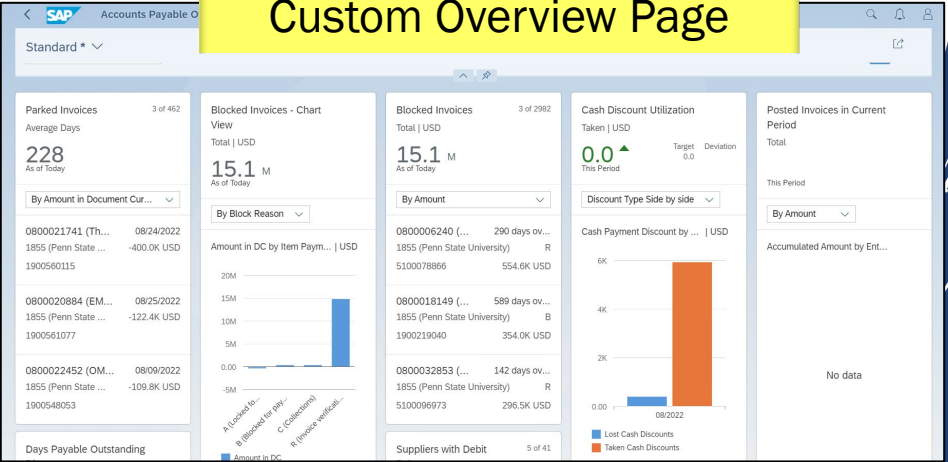


FM Data
All Fiscal Years
All Business Areas
All Funds
Master Data Attributes

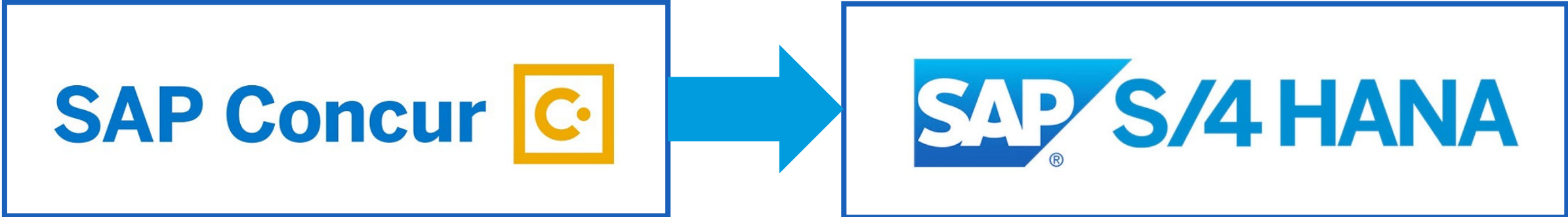
Multidimensional Report



Custom Overview Page



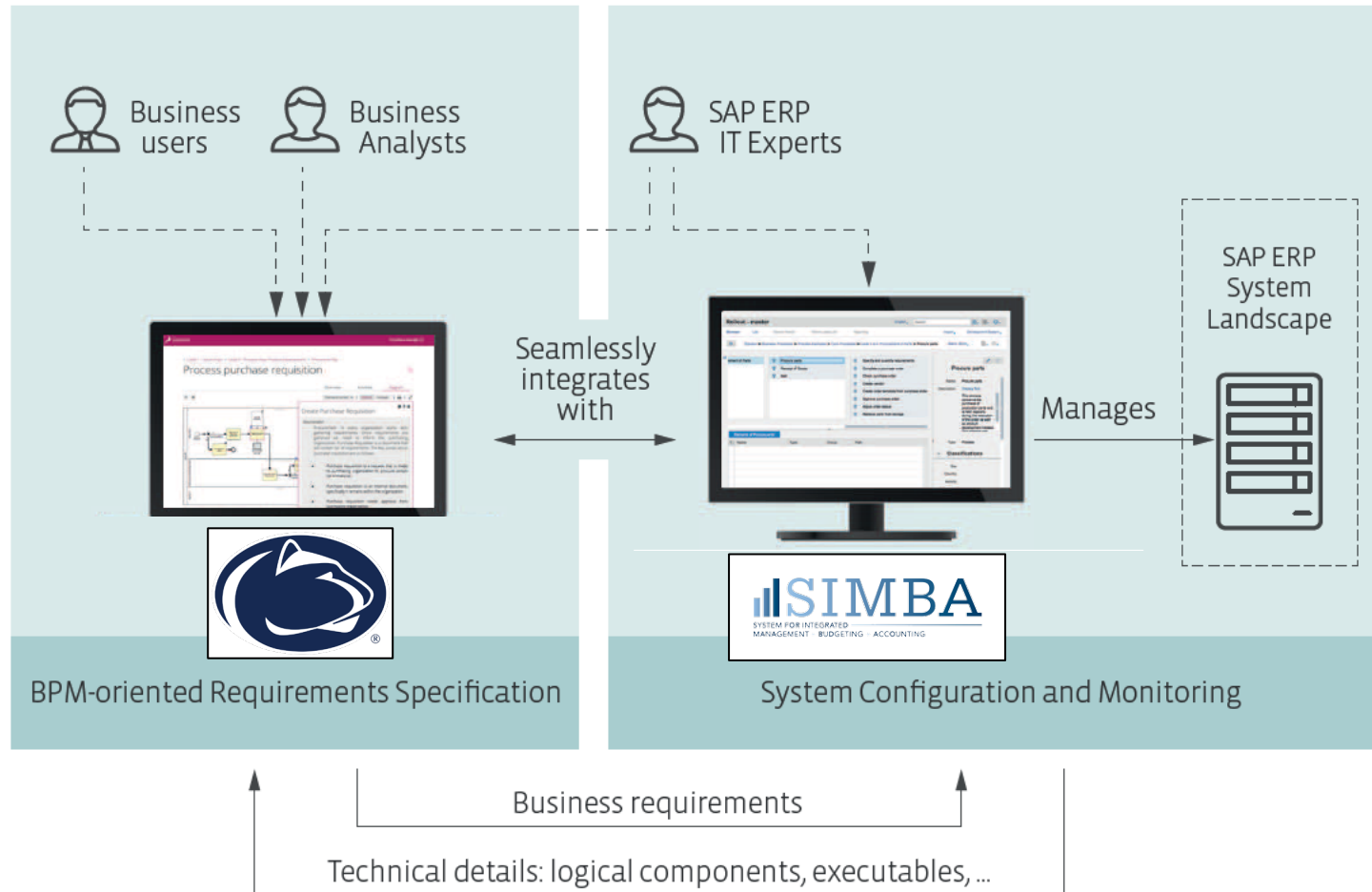
Turning on New Functionality and Configuration Example



Business Process Management



Business Process Ownership

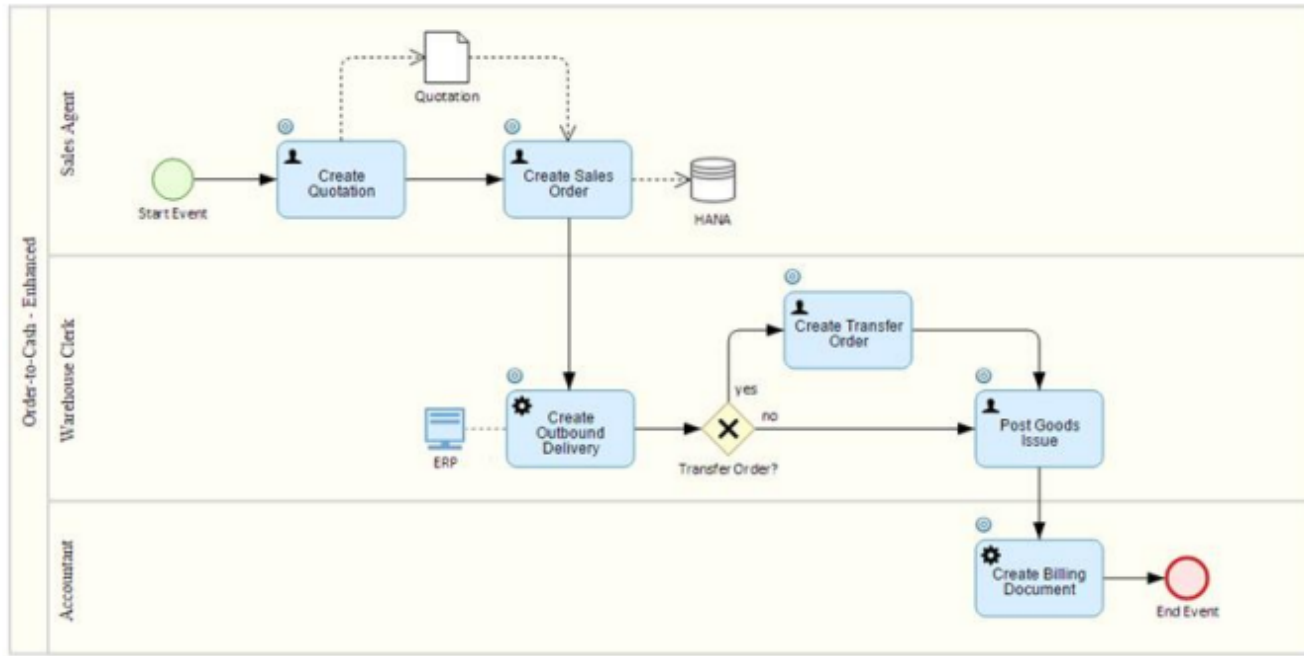


- **Confirm** your Key Processes
- **Document** these Processes
- What is **Working**?
- What is **NOT** Working?
- **Continuous Improvement**

One Process Landscape for Business and IT

Process Management in SAP Solution Manager

Today, customers are challenged with synchronizing business models and processes with IT solution documentation across build and run.



Integrated graphical BPMN process editor

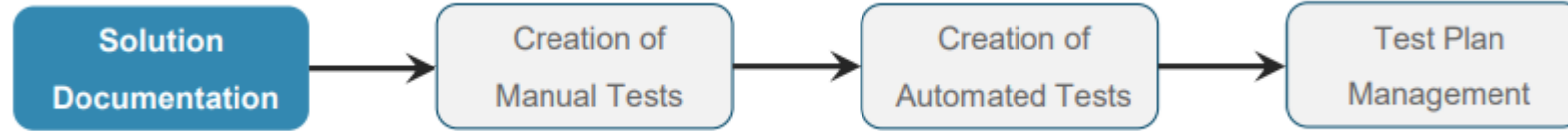
SAP Solution Manager solution documentation

- Web-based documentation experience
- Integrated BPMN process editor
- Multi-level hierarchies (**more than three**)
- Processes assembled from re-use libraries
- Processes are validated and optimized continuously based on real usage

Integrated process experience

- Requirements Management
- IT Project and Portfolio Management integration
- Change and Request Management integration
- Test Management integration
- Business Process Monitoring integration

Solution Documentation



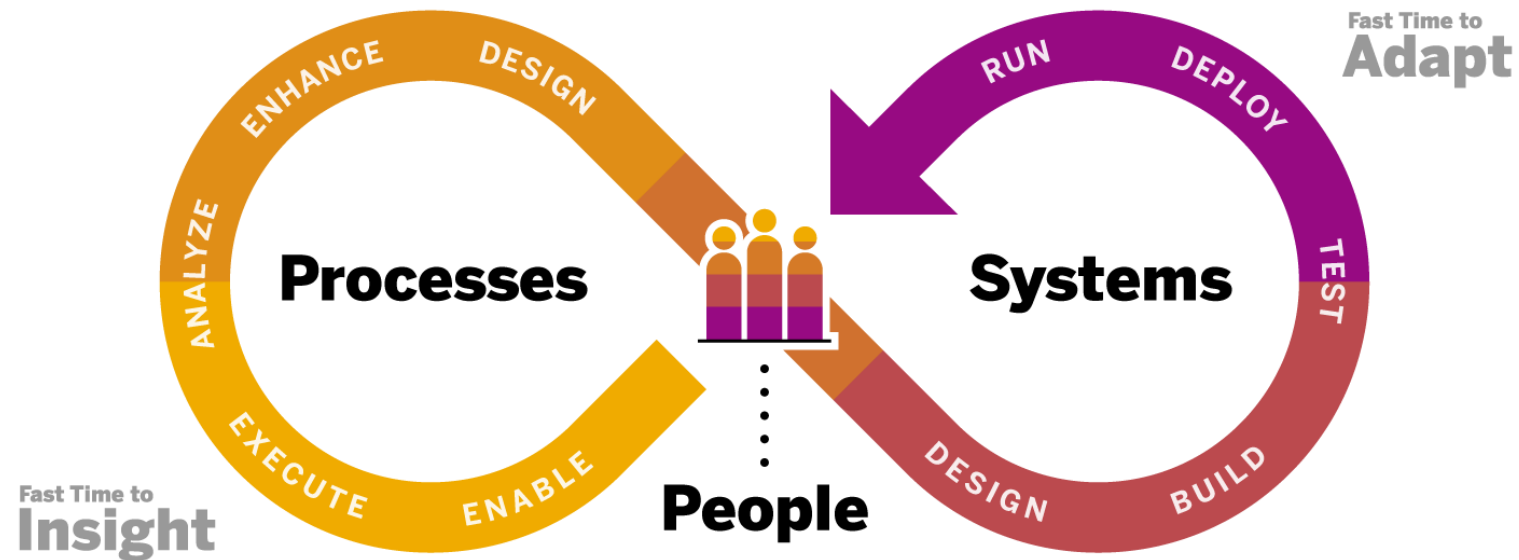
- Solution & Branches
 - The Solution is the sum of a company's systems and processes. It acts as a container for versions of solution documentation known as Branches, one of which is the production Branch.
- Libraries
 - Collection of reusable objects
 - No need to repeat documentation of executable items. Define once – leverage in multiple processes
- Using Solution Documentation
 - Documentation of Business Processes, Process Steps, and Executables (Transactions, Reports, Fiori,
 - Assignment of Test Cases (manual, automated) to Executables, Process Steps, or Business Processes

Name	Type	Group	Path
Create Billing Document	Test Configuration	Test Cases	/Solution/Business Processes/ToscaSAP/S...

Next Step – Signavio



- Become a Process Oriented Organization
- Continuous Business Process Improvement
- Streamline Business and IT Alignment



Change Impact Analysis and Testing Solutions



Testing Approach



Utilize SAP Solutions without additional cost!

- **SAP Solution Manager** - SAP's Solution Manager included with SAP agreements at no additional cost. Providing test plan and test execution capabilities.
- **Tricentis Test Automation** - SAP's test solution partner, providing a test automation solution that is included in SAP maintenance agreement.

Reduce Cost and Increase Testing Efficiency

- Reduce the cost of manual testing with **automated testing** solutions.
- Use of the right tools to increase **efficiency** with the recording of automated test scripts.
- **Streamline** the management of the execution of both manual and automated testing.
- The key meetings and discussions need to be **documented**

Ensuring Longer Term Success

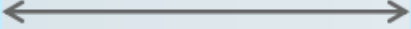
- Utilizing **testing tools** helps ensure all defects are found before go live.
- Proper testing is absolutely essential for a **successful** project.
- Automated test scripts provide **long term value** beyond a successful go live!





Solution Documentation

- Executable Library
- Process Step Library
- Business Processes



Test Cases

- Manual Tests
- Automated Tests

Test Plan Management

- Test Plan
- Test Packages
- Test Sequences
- Tester assignment

Test Execution

- Manual Test Execution
- Automated Test Execution
- Defect Management

Test Suite Analytics

- Gap reports
- Status reports
- Progress reports
- Dashboard

Change Impact Analysis

Test scope *estimation* before upgrade

Scope and Effort Analyzer (SEA)

Test scope *optimization* during change events (fix, enhance, innovate, upgrade)

Business Process Change Analyzer (BPCA)

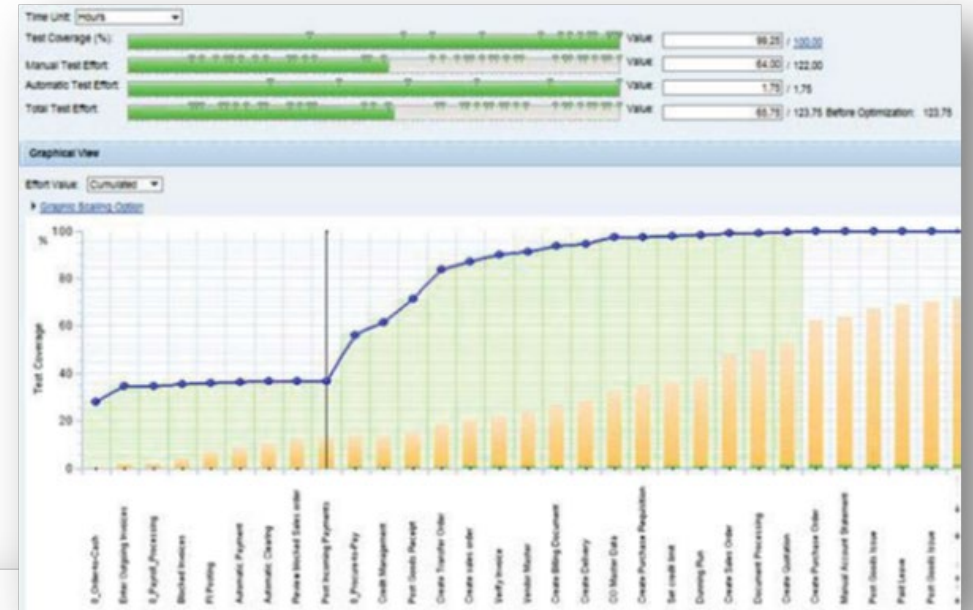
What is the SIMBA Direction?

- ✓ Discovery and Confirmation
- ✓ Simplify and Standardize
- ✓ Benchmark and Validate
- ✓ Generate and Automate
- ✓ Evaluate and Quantify
- ✓ Share and Govern
- ✓ Identify Impacted Business Processes
- ✓ Monitor and Measure



SIMBA SAP Change Impact Analysis

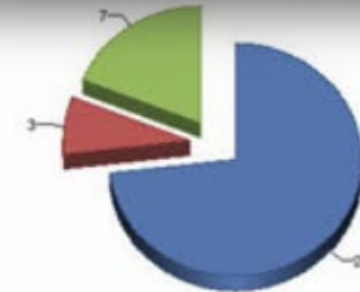
- Two Tools - SEA and BPCA
- Identifies impacted business processes/steps
- Risk-based test scope optimization
- Increase Testing Efficiency – Only test the impacted processes or objects



Test Effort (Hours) with TSO

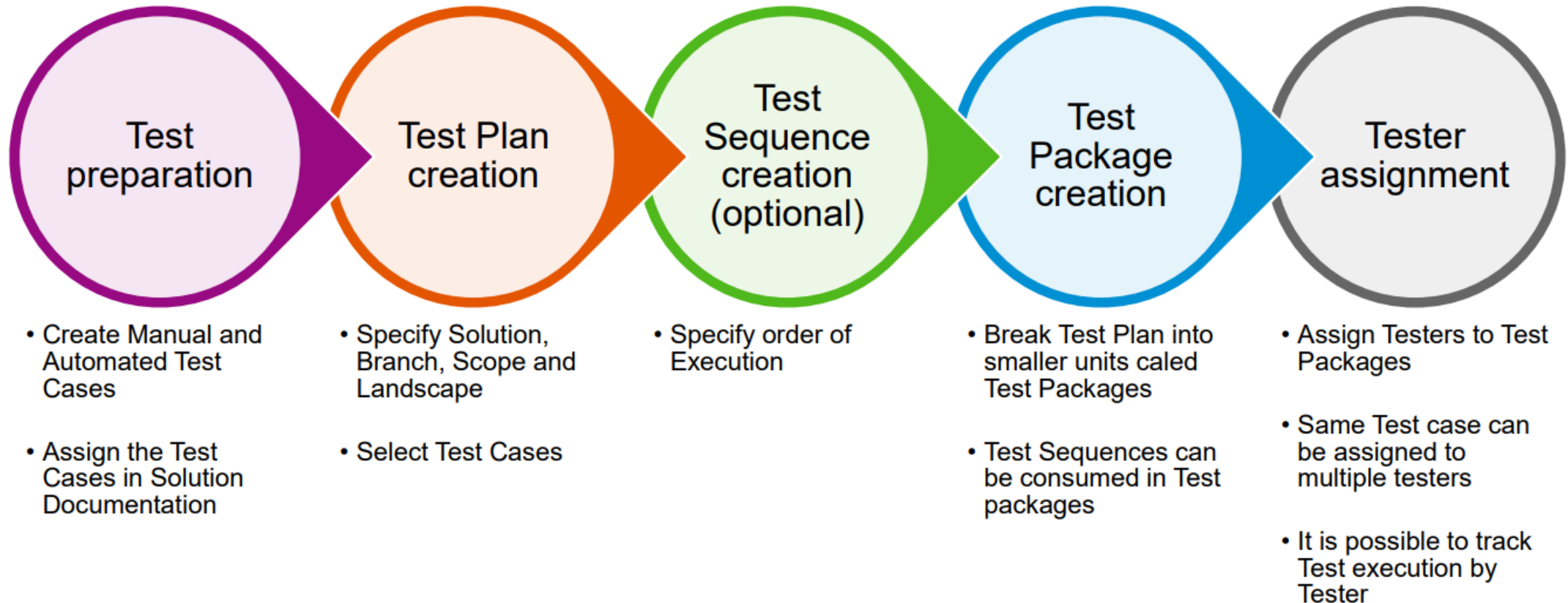


Total Effort: 65.75 Hours



Total (available): 34 tests


Complete Test Management



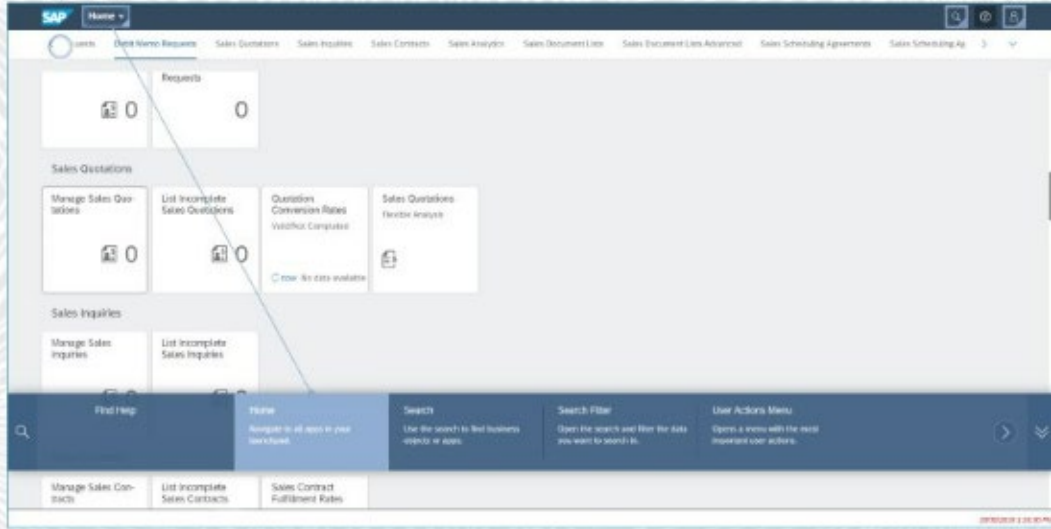
Digital Adoption Platform (DAP)



SAP EnableNow



Learning
Just in Time!



The image shows a screenshot of the SAP EnableNow user interface. At the top, there is a navigation bar with the SAP logo and a 'Home' button. Below this, there are several tabs for different SAP modules: Sales, Sales Documents, Sales Inquiries, Sales Contracts, Sales Analytics, Sales Document Lists, Sales Document Lists Advanced, Sales Scheduling Agreements, and Sales Scheduling Agreements. The main content area is divided into sections: 'Requests' with a '0' count, 'Sales Quotations' with four sub-sections (Manage Sales Quotations, List Incomplete Sales Quotations, Quotations Conversion Rates, and Sales Quotations Vendor Analysis), and 'Sales Inquiries' with two sub-sections (Manage Sales Inquiries and List Incomplete Sales Inquiries). At the bottom, there is a 'Find Help' section with a search bar and a 'Home' button. The interface is clean and modern, with a blue and white color scheme.

SIMBA is implementing a Digital Adoption Platform (DAP)!

- A digital adoption platform (DAP) is a software layer integrated on top of another software application or website.
- Digital adoption platforms aim to help new users quickly learn how to interact with a website or application.
- This improves onboarding for new users and drives the adoption of new features that may otherwise be ignored.



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End-User Experience Example

The screenshot displays the SAP 'Summary GM Budget vs Actual Report' interface. At the top, the browser address bar shows the URL: `simba.psu.edu/~/grm/actual/summary-deploy/~/sap-app-state=ASR16/GTRFXZLYM38beVPS2W0V/G/PAHRELO`. The SAP logo and 'Summary GM Budget vs Actual Report' are visible in the header. Below the header, there is a filter bar with the following fields: 'Posting Date' (set to 12/31/2099), 'Grant Number', 'IDWBS/Sponsored Program', 'Business Area', and 'Grant Home Cost Center'. Buttons for 'Clear', 'Restore', 'Adapt Filters (1)', and 'Go' are present. A 'NEW STANDARD - SUMMARY' dropdown menu is open, showing options: 'Select New Standard - Summary' (highlighted), 'Please use the variant called New Standard - Summary', 'Export to Excel' (with subtext 'You can export your data to Excel.'), 'Rearrange Columns' (with subtext 'Customize the order of the Columns.'), 'Hide Filters' (with subtext 'Click the Hide Filters button to minimize the selection criteria header.'), 'Share' (with subtext 'Click the Share button to share the report.'), 'Clear Button' (with subtext 'Use the Clear button to clear the values in the selection criteria.'), and 'Restore Button' (with subtext 'Click the Restore Button to return to the current variant's default.'). Below the filter bar, a table header is visible with columns: 'Grant Number', 'Sp. Program', 'Jump To', 'Grant Lifecycle Status...', 'Grant User Status...', 'Days Until Close', 'Expense Budget', 'Budget Link', and 'Actual Expense'. The table body is empty, displaying the message 'To start, set the relevant filters.'

End-User Experience Example

Click to play video – 46 seconds (On-Screen Help)

The screenshot shows the SAP Summary GM Budget vs Actual Report interface. The browser address bar displays the URL: fiori.qa.simba.psu.edu/fiori#zgmbudgetsum-display&/?sap-iapp-state=AS3R1BZGTRFX24LVMQEI65VP92WXV7GJPAHKBJO. The page title is "Summary GM Budget vs Actual Report".

The main content area is titled "NEW STANDARD - SUMMARY" and includes a filter bar with the following fields: *Posting Date (set to <=12/31/2099), Grant Number, IO/WBS/Sponsored Program, Business Area, and Grant Home Cost Center. There are "Clear" and "Restore" buttons, and a "Go" button. The filter bar also shows "Adapt Filters (1)".

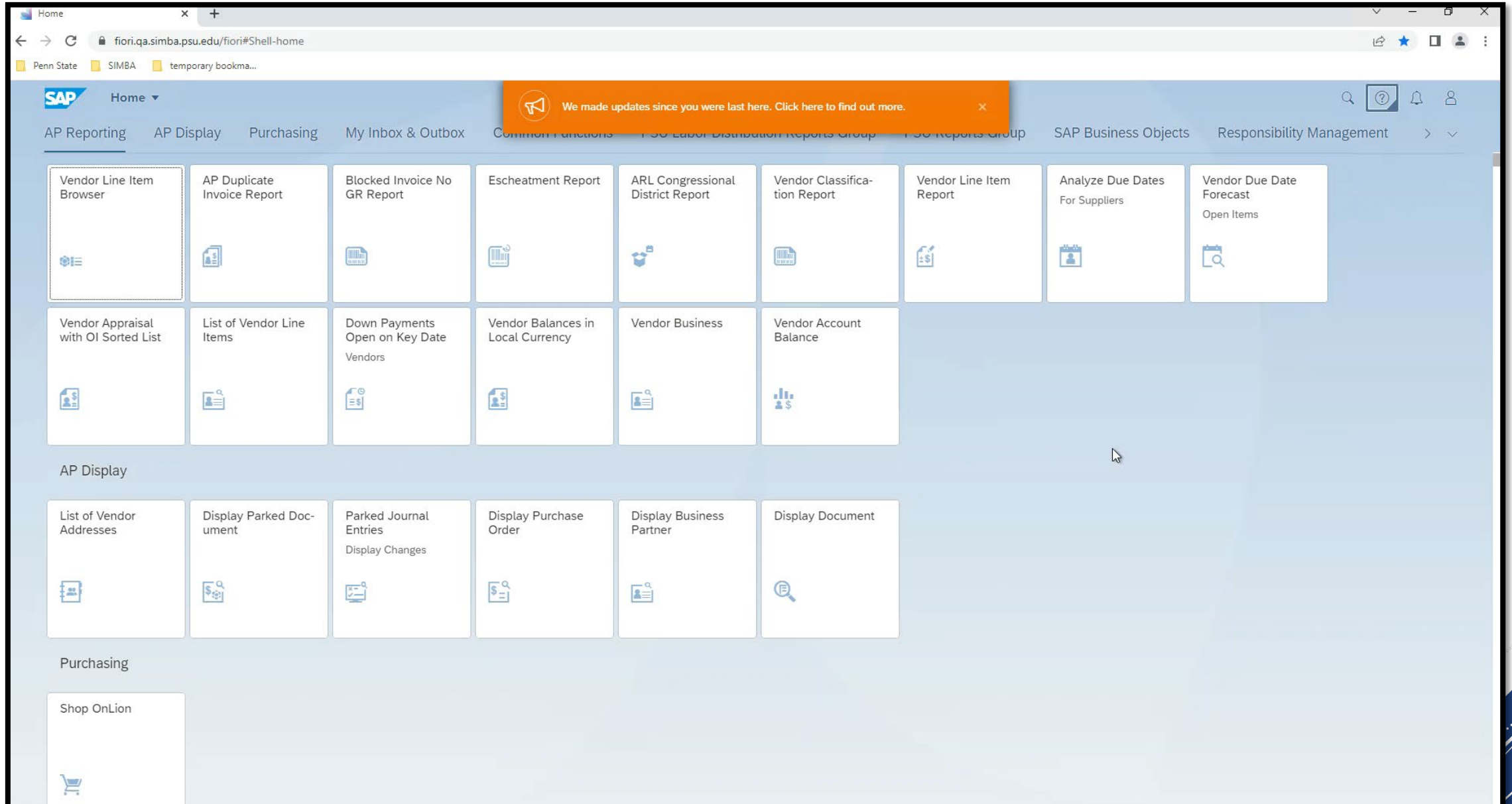
Below the filter bar is a table titled "GM Budget vs Actual Base Results (0)". The table has the following columns: Grant Number, Sp Progam Jump-To, Grant Lifecycle Status..., Grant User Status ..., Days Until Close, Expense Budget, Budget Link, and Actual Expense. The table is currently empty, with a message in the center: "To start, set the relevant filters."

On the right side of the screen, there is a "Help Topics" sidebar. It contains the following sections:

- Search Help Topics**: A search input field.
- Select New Standard - Summary**: Please use the variant called New Standard - Summary.
- Export to Excel**: You can export your data to Excel.
- Rearrange Columns**: Customize the order of the Columns.
- Hide Filters**: Click the Hide Filters button to minimize the selection criteria header.
- Share**: Click the Share button to share the report.
- Clear Button**: Use the Clear button to clear the values in the selection criteria.
- Restore Button**: Click the Restore Button to return to the current variant's default.

End-User Experience Example

Click to play video – 12 seconds (What is New!)



The screenshot displays the SAP Fiori Shell home page in a web browser. The browser's address bar shows the URL `fiori.qa.simba.psu.edu/fiori#Shell-home`. The SAP logo and 'Home' label are visible in the top left. A navigation bar at the top contains several menu items: 'AP Reporting', 'AP Display', 'Purchasing', 'My Inbox & Outbox', 'Common Functions', 'FSC Labor Distribution Reports Group', 'FSC Reports Group', 'SAP Business Objects', and 'Responsibility Management'. An orange notification banner at the top center reads: 'We made updates since you were last here. Click here to find out more.' The main content area is organized into sections: 'Vendor Line Item Browser' (highlighted with a dashed border), 'AP Duplicate Invoice Report', 'Blocked Invoice No GR Report', 'Escheatment Report', 'ARL Congressional District Report', 'Vendor Classification Report', 'Vendor Line Item Report', 'Analyze Due Dates For Suppliers', and 'Vendor Due Date Forecast Open Items'. Below this is the 'AP Display' section with tiles for 'List of Vendor Addresses', 'Display Parked Document', 'Parked Journal Entries Display Changes', 'Display Purchase Order', 'Display Business Partner', and 'Display Document'. The 'Purchasing' section includes a 'Shop OnLion' tile. The interface uses a clean, modern design with blue and white tones and icons for each function.

Future Roadmap & Closing

Key Take Aways



Thank you! Let us know if you have any questions!!



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More Information -



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Additional Resources

- [SAP Solution Manager 7.2](#)
- [SAP Solution Manager 7.2 - Test Suite](#)
- [SAP Solution Manager 7.2 - Process Management](#)
- [Tricentis SAP Test Automation](#)
- [Signavio Business Process Transformation Mission](#)