PeopleSoft Testing & PTF Accelerators at NDUS and State of ND

Tarunraj Amuthan

SpearMC Consulting

PeopleSoft RECONNECT DIVE DEEP - VIRTUAL!

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Meet SpearMC



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Recognition and Specializations

Oracle Specialized

ORACLE | Partner

Since joining Oracle's Partner Program in 2006, SpearMC was elevated to Platinum Partner level in 2017 and to Oracle Applications Managed Partner in 2018.

ORACLE | *Expertise in* PeopleSoft in North America

SpearMC is an authorized PeopleSoft Resale Partner, allowing us to resell, host and finance PeopleSoft at steep discounts.

ORACLE | *Expertise in* Oracle EPM Cloud in North America

SpearMC is an authorized Oracle EPM Cloud, Analytics and Hyperion Resale and Implementation Partner.

ORACLE | *Expertise in* Oracle Cloud Platform in North America

SpearMC is an authorized Oracle Cloud Infrastructure (OCI) Resale Partner and North America's only PeopleSoft Partner recognized by Gartner for OCI Professional and Managed Services.

ORACLE | Education Reseller

SpearMC is an authorized Oracle University Education Reseller and PeopleSoft Training Provider. We are the sole PeopleSoft Partner authorized to resell and implement Oracle Guided Learning.

ORACLE | Public Sector Addendum

Reflecting our deep domain expertise in state and local government, SpearMC has a Public Sector Addendum in place allowing us to resell Oracle applications and technology to public sector organizations.

SOC 2 Type II Certified

AICPA Service Organization Control Reports — AICPA SOC 2 — Formerly SAS 70 Reports

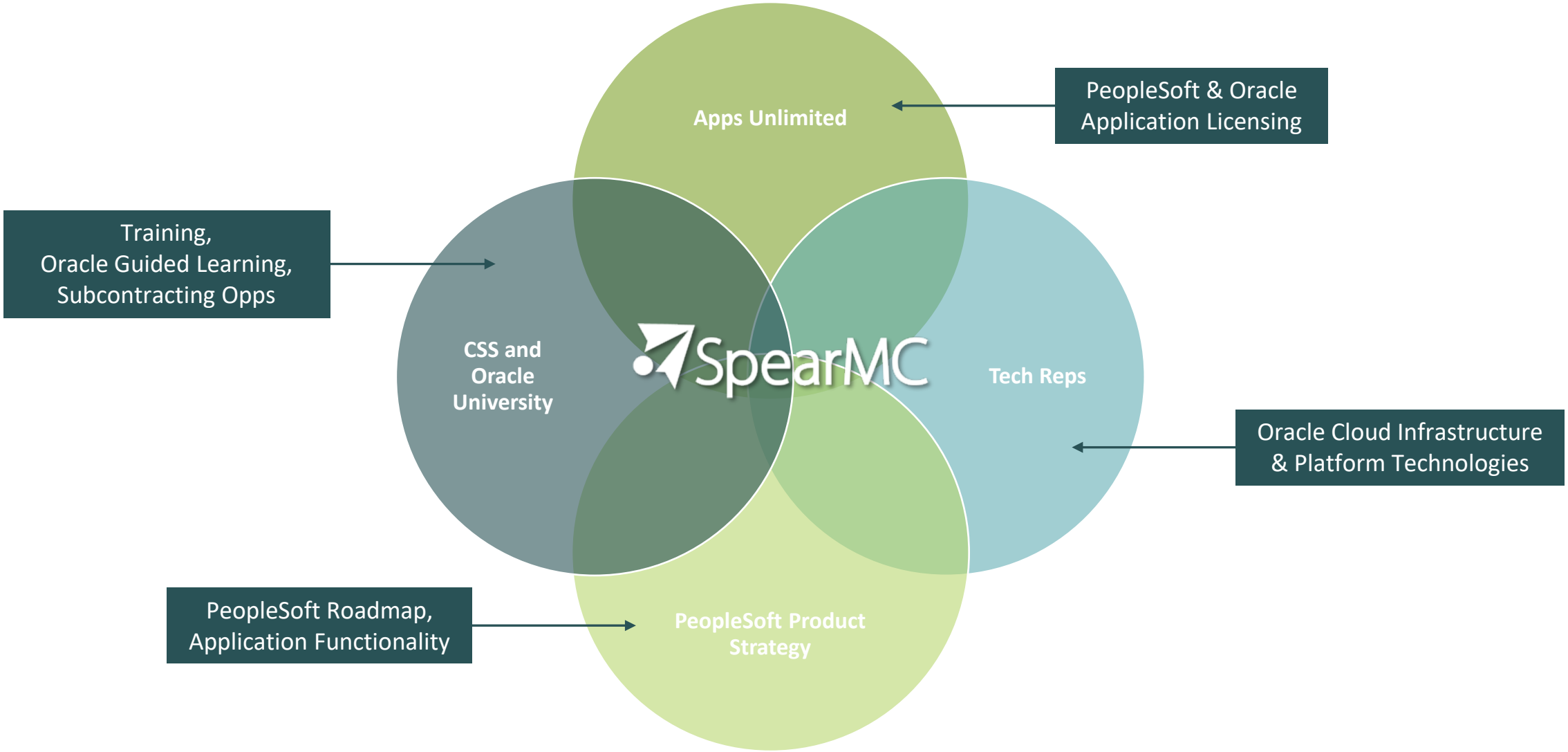
Reduce risk with a partner you can trust. This certification demonstrates our deep commitment to protecting data.

Gartner-Recognized Vendor

Gartner®

SpearMC is the sole featured PeopleSoft vendor in the latest Gartner Market Guide for Oracle Professional Services.

SpearMC Strategy: Positioning with Oracle



Products and Services

HEALTHCARE | HIGHER ED | FINANCIAL SERVICES | PUBLIC SECTOR

SpearMC

Managed Services

Application Support
Testing as a Service
System Administration
Infrastructure Hosting

Consulting Services

Financials and Supply Chain
Test Framework
Human Capital Management
Campus Solutions

PeopleSoft Training

All-Access Learning Pass
Live Private Training
Oracle Guided Learning
Oracle University Reseller

Oracle PeopleSoft

Oracle Cloud Platform

OCI Migration
Infrastructure Hosting
Disaster Recovery

Emerging Technology

Oracle Assessment
Chatbots & Digital Assistants
PeopleSoft Roadmap
OpenSearch Dashboards

Proprietary Products

PTF Testing Grounds
Grants: LCD/Effort Reporting
Supplier Contracts: Authoring
Lease Admin: GASB 87

ORACLE Partner | Expertise in PeopleSoft in North America | Expertise in Oracle Cloud Platform in North America | Expertise in Oracle EPM Cloud in North America | ORACLE Education Reseller | Gartner Recognized Vendor | AICPA SOC 2

Learn from an Oracle University Partner

PeopleSoft Public Training Classes

You will receive Powerful, Practical Learning Experiences covering PeopleSoft Campus Solutions, Human Capital Management, Financials and PeopleTools:

- Campus Solutions: Advisement, Admissions, Registration, 3C's
- PeopleSoft Systems Administration: Maintenance and Troubleshooting
- PeopleTools Bootcamp, PeopleCode and Object-Oriented Programming
- PeopleTools: Fluid Development, and Integration Broker/REST Web Services
- Reporting: OpenSearch Dashboards (formerly Kibana) and Query

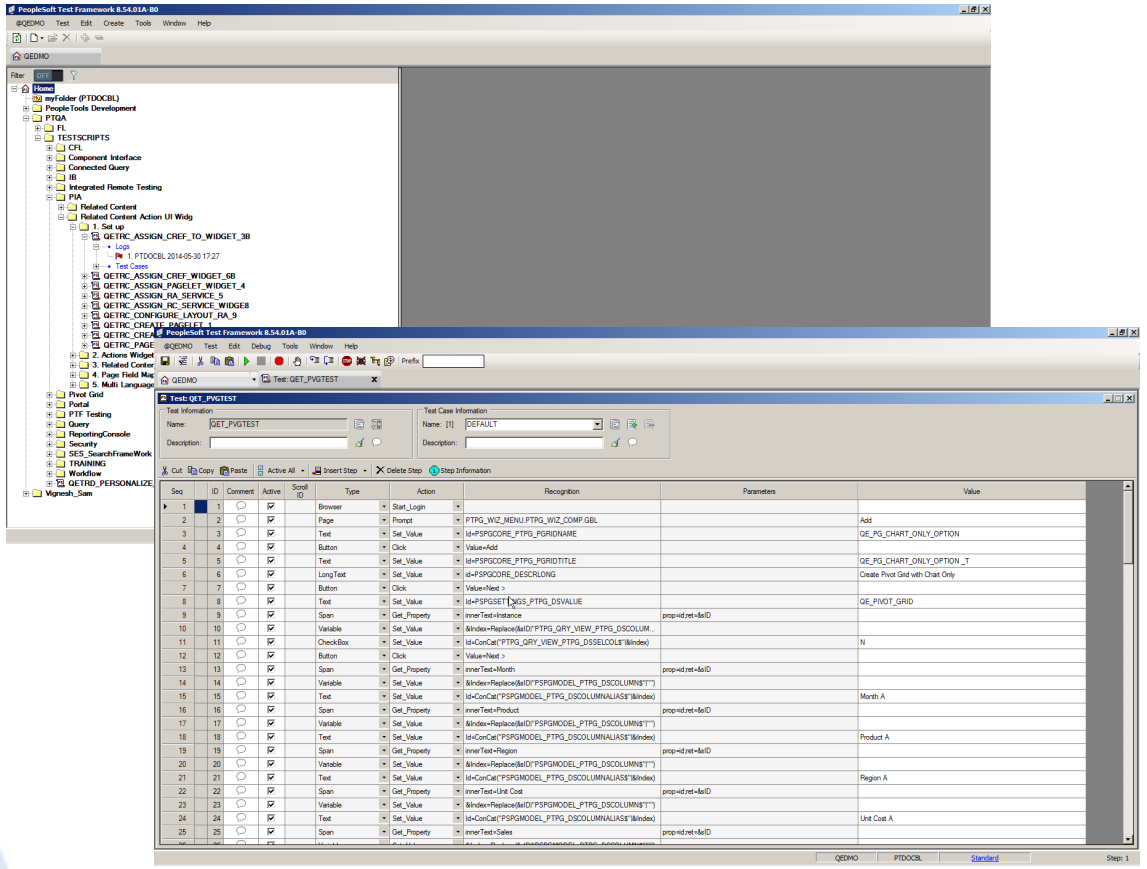
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Scan the QR code to view the full listing of offerings and courses

PeopleSoft Test Framework (PTF)

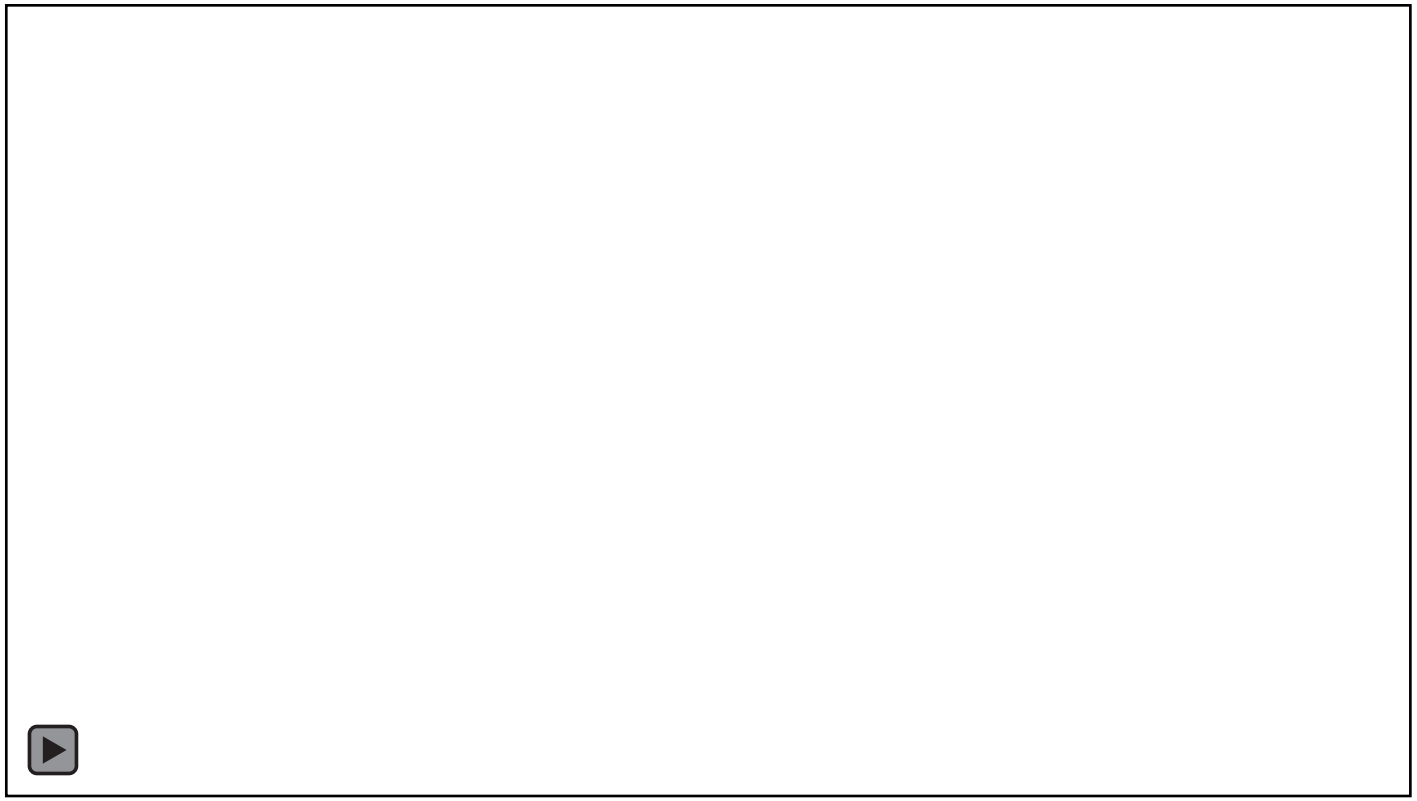
A short introduction

The PeopleSoft Test Framework Client - Features



- Built for **test engineers** and **developers**.
- Delivered features:
  - Test recording in *Chrome, Edge, & Firefox*
  - Test execution in *Chrome*, *Edge*, & *Firefox*
  - **Test cases** for data management
  - **Shell Tests** for test linking
  - Maintenance reports
  - Test upgrade tools

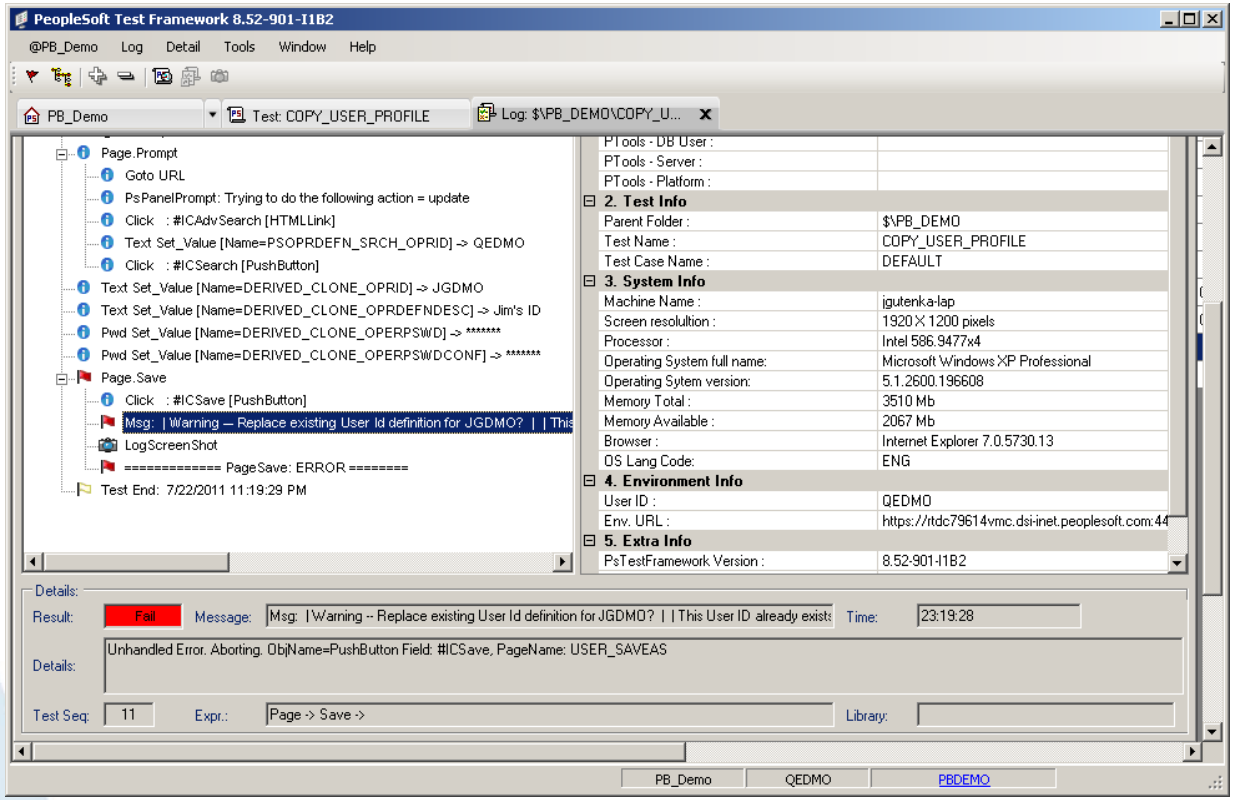
The PeopleSoft Test Framework Client - Demo



SpearMC Testing Grounds

A bolt-on solution built for PTF

The PeopleSoft Test Framework Client - Gaps

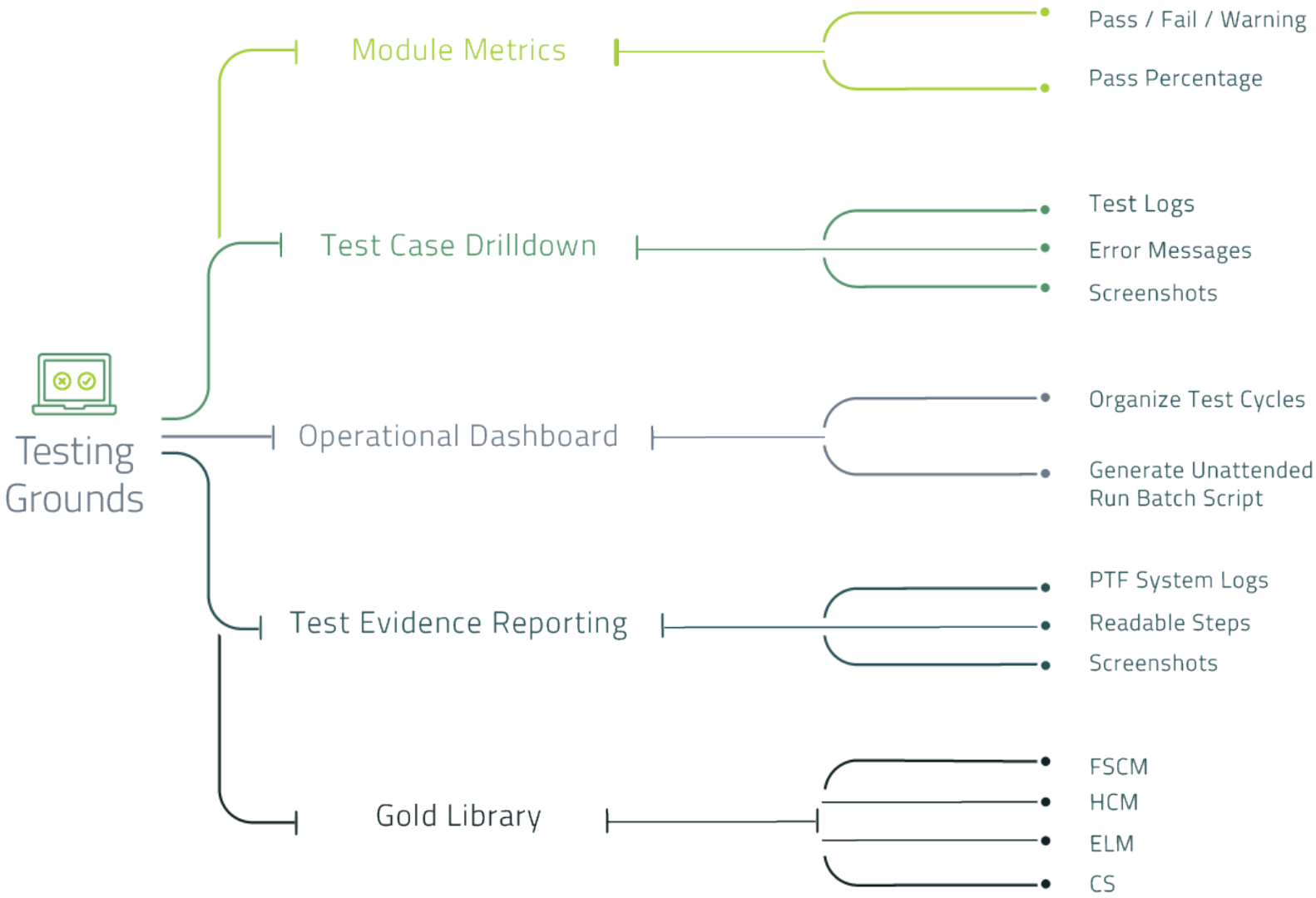


- Oracle's delivered PTF client has great features designed for **creating**, **maintaining**, and **running** a test library.
- However, the PTF client doesn't deliver the online **reporting** or **editing** functionality that users need during test cycles.

The SpearMC Testing Grounds - Features

- The Testing Grounds is an ecosystem of tools that SpearMC has built to fill gaps in PTF testing and make PTF more approachable for functional users.
- Testing Grounds features include:

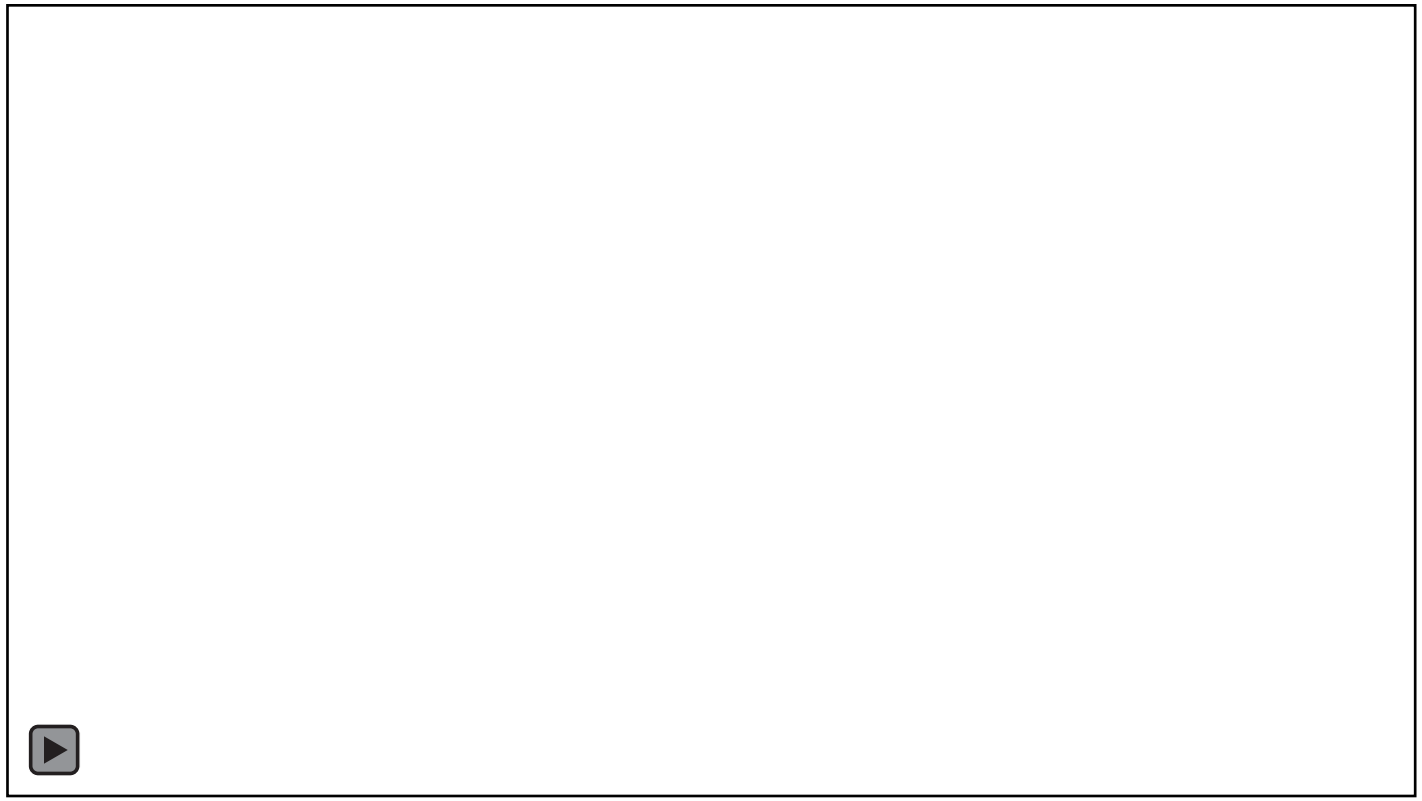
Dashboards
Error Screenshots
Data Management
Execution Logs
Evidence Reports
Test Cycles

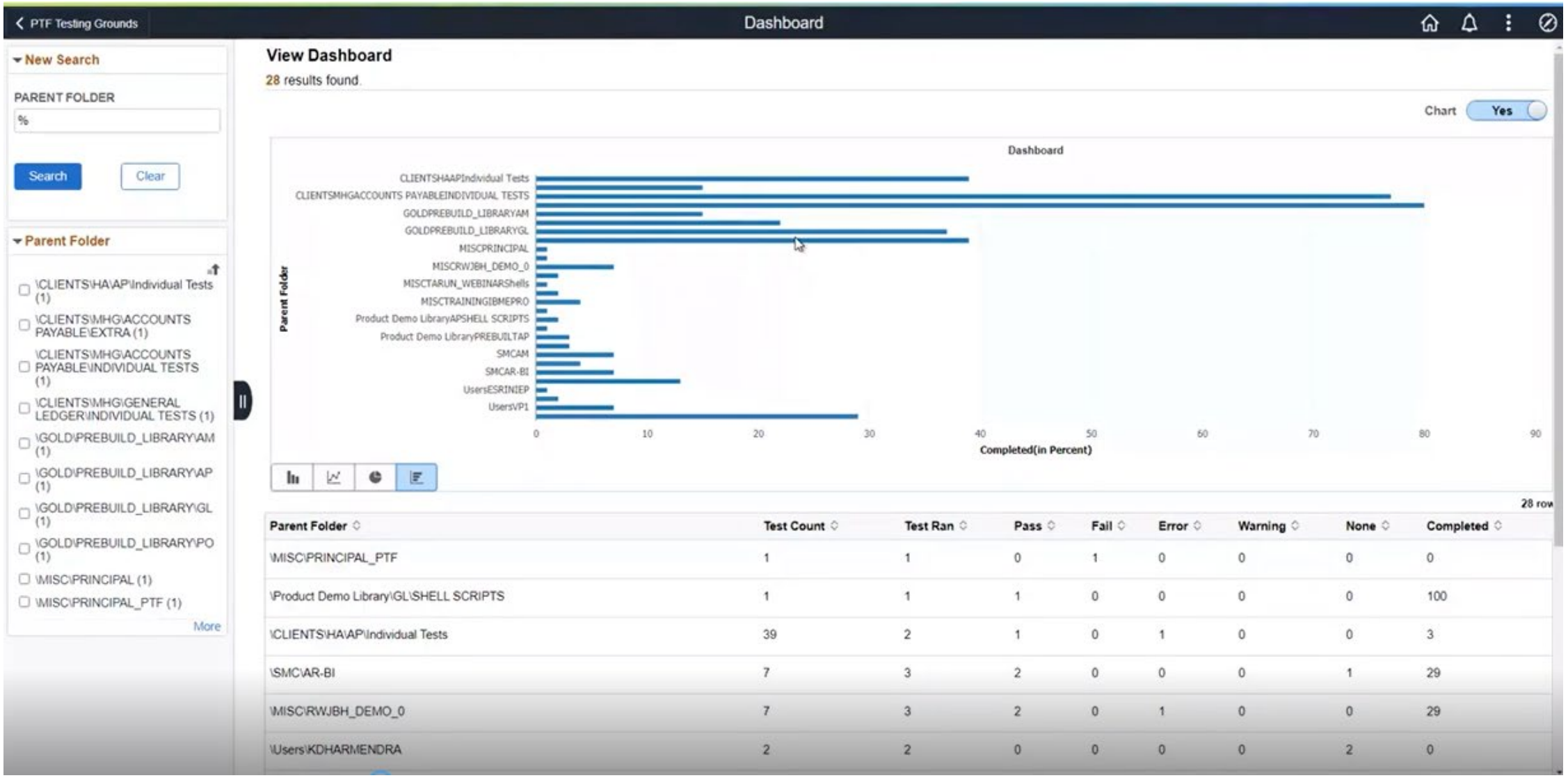

Testing Grounds
Module Metrics
Pass / Fail / Warning
Pass Percentage
Test Case Drilldown
Test Logs
Error Messages
Screenshots
Operational Dashboard
Organize Test Cycles
Generate Unattended Run Batch Script
Test Evidence Reporting
PTF System Logs
Readable Steps
Screenshots
Gold Library
FSCM
HCM
ELM
CS

Since the Testing Grounds is built as a bolt-on tool for PeopleSoft, implementation was straightforward. We've even written up a DIY guide to set it up yourself.

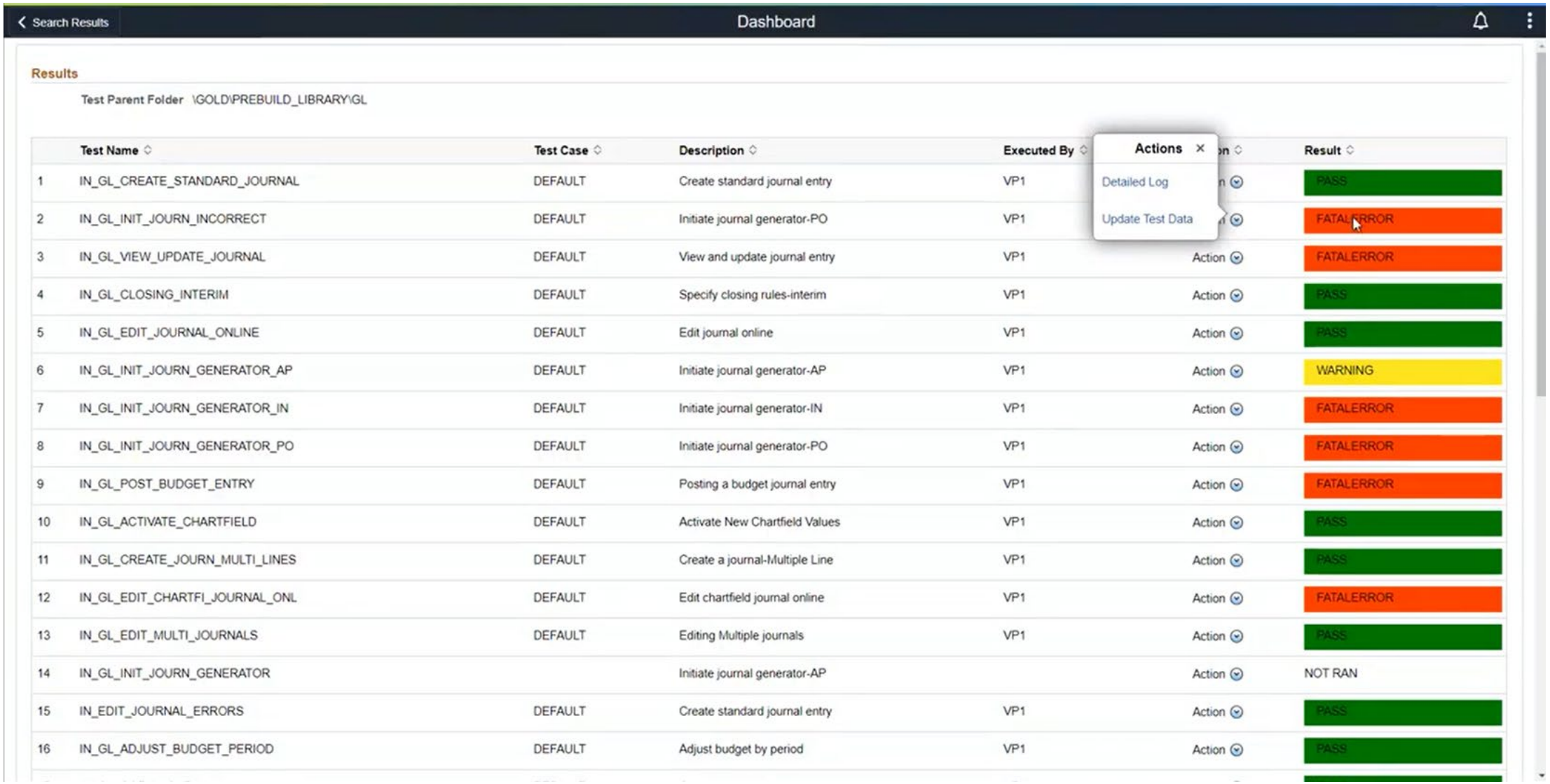


The SpearMC Testing Grounds - Demo

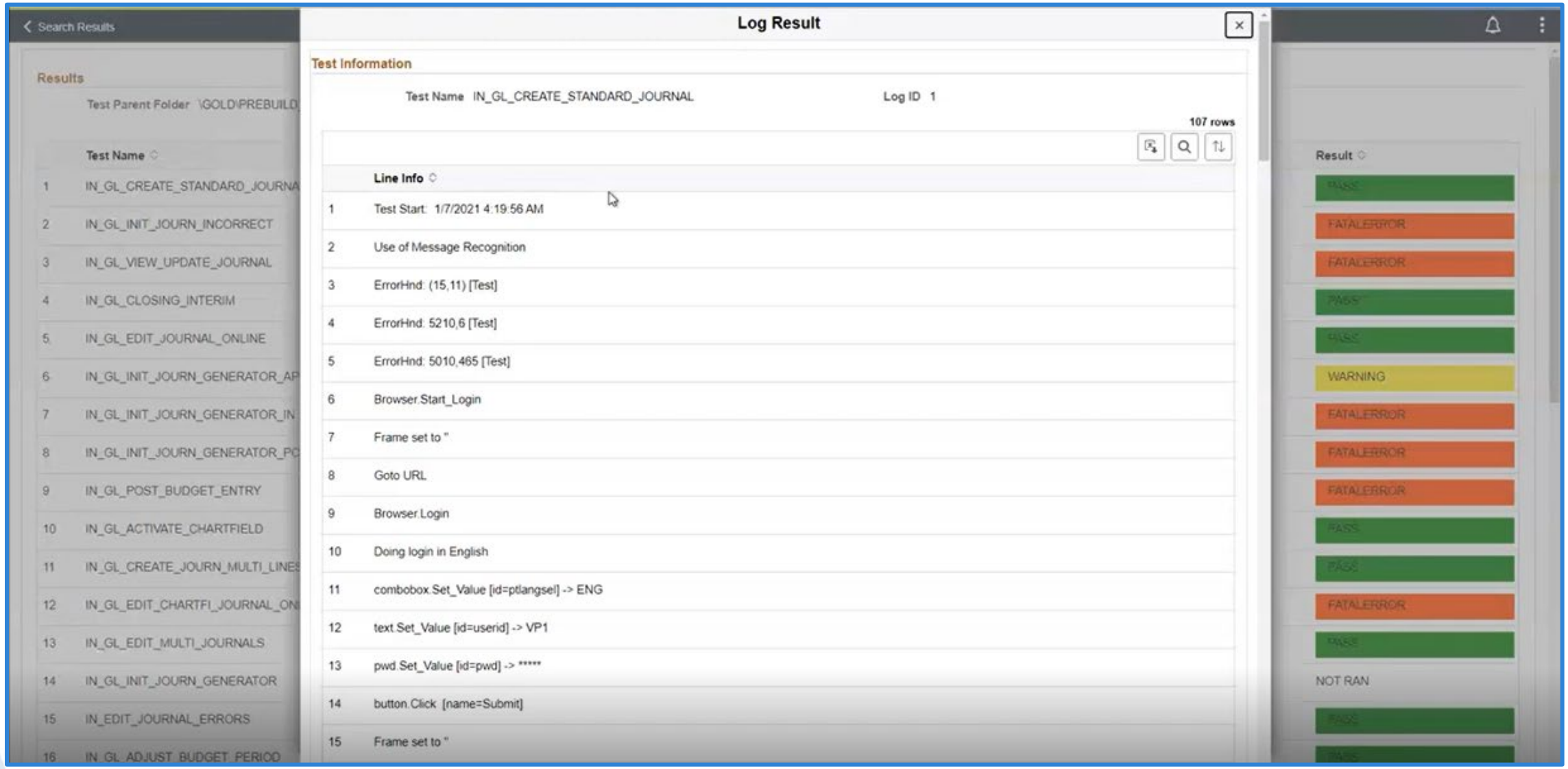


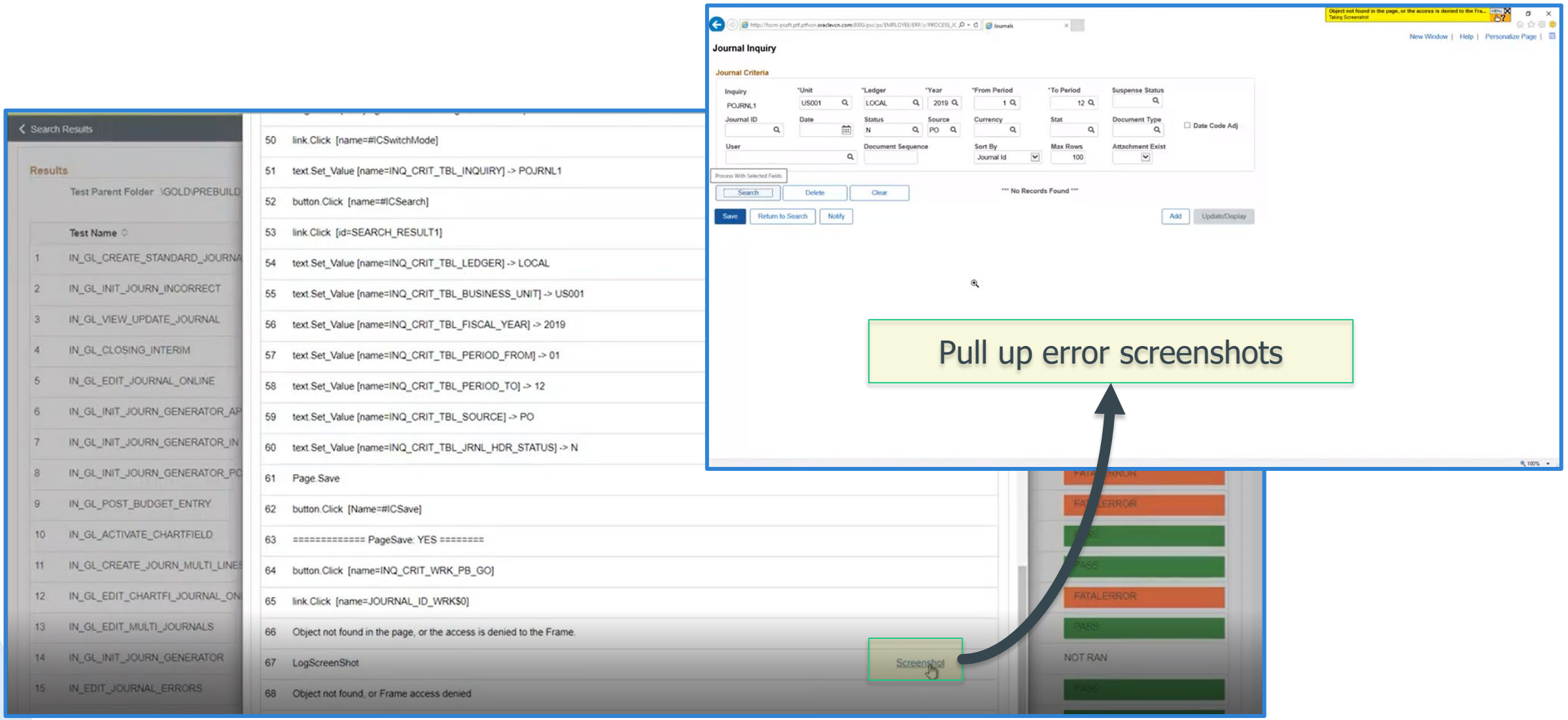


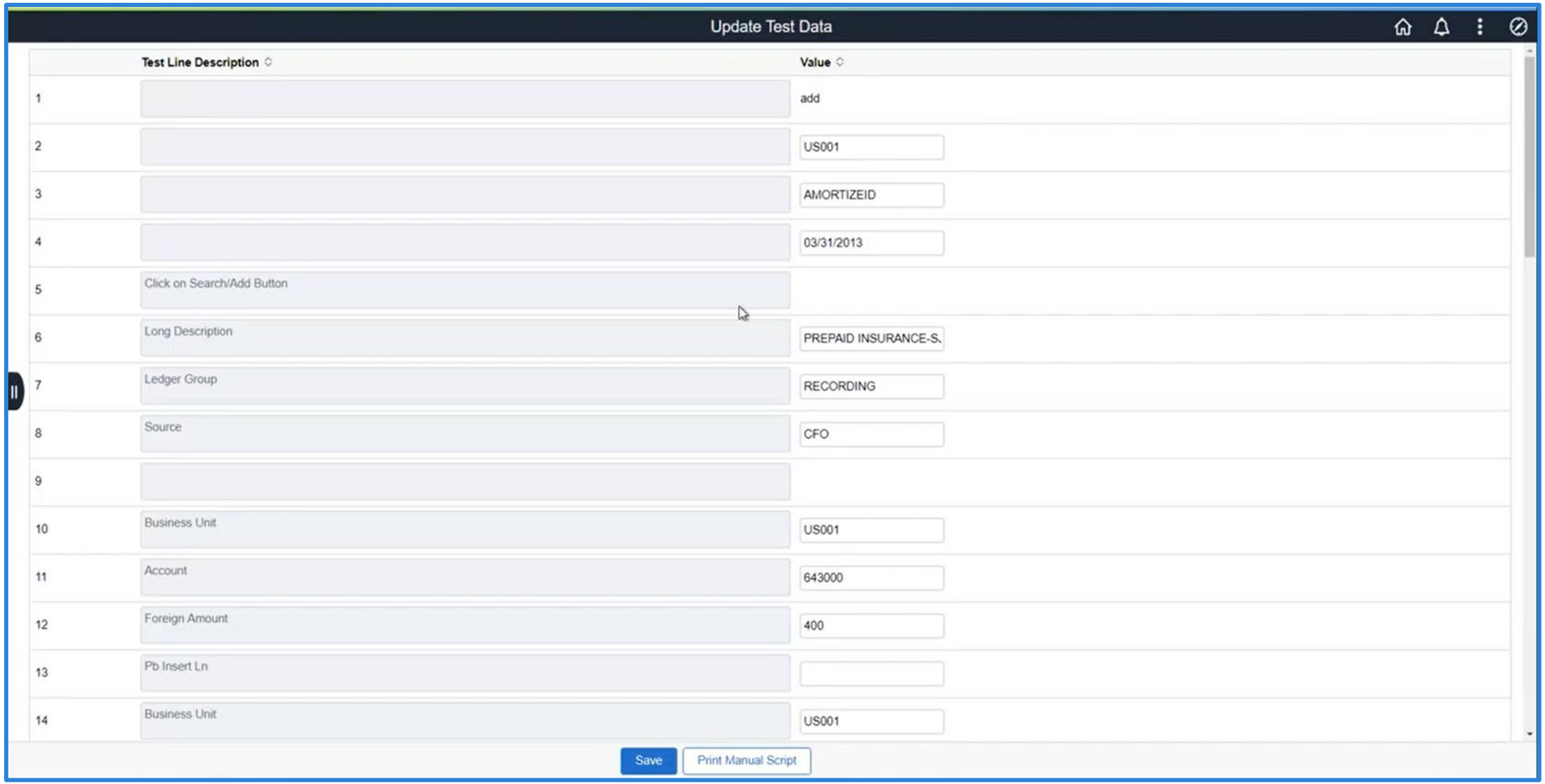
Parent Folder	Test Count	Test Ran	Pass	Fail	Error	Warning	None	Completed
\MISC\PRINCIPAL_PTF	1	1	0	1	0	0	0	0
\Product Demo Library\GL\SHELL SCRIPTS	1	1	1	0	0	0	0	100
\CLIENTS\HA\AP\Individual Tests	39	2	1	0	1	0	0	3
\SMC\AR-BI	7	3	2	0	0	0	1	29
\MISC\RWJBH_DEMO_0	7	3	2	0	1	0	0	29
\Users\KDHARMENDRA	2	2	0	0	0	0	2	0

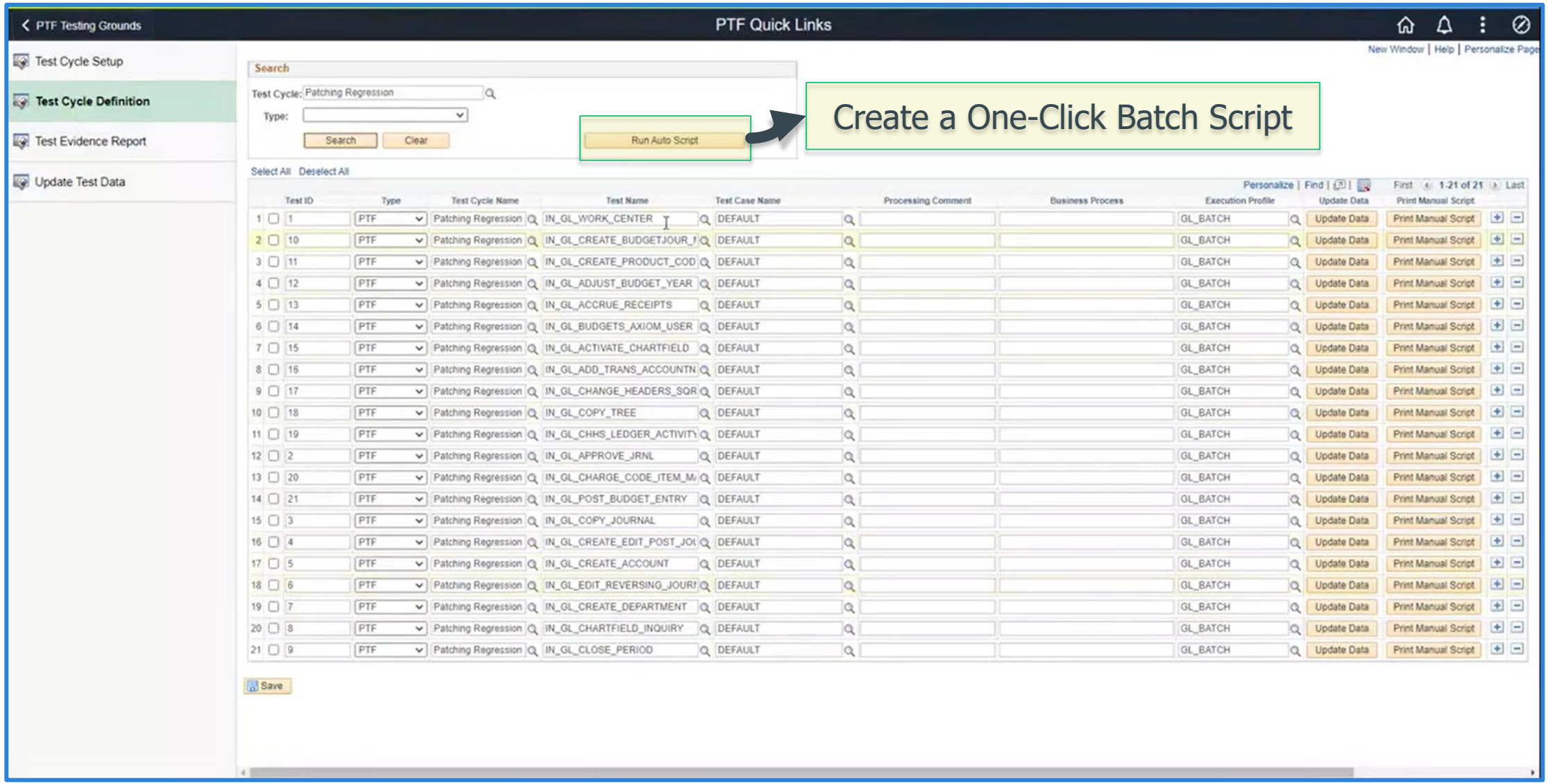


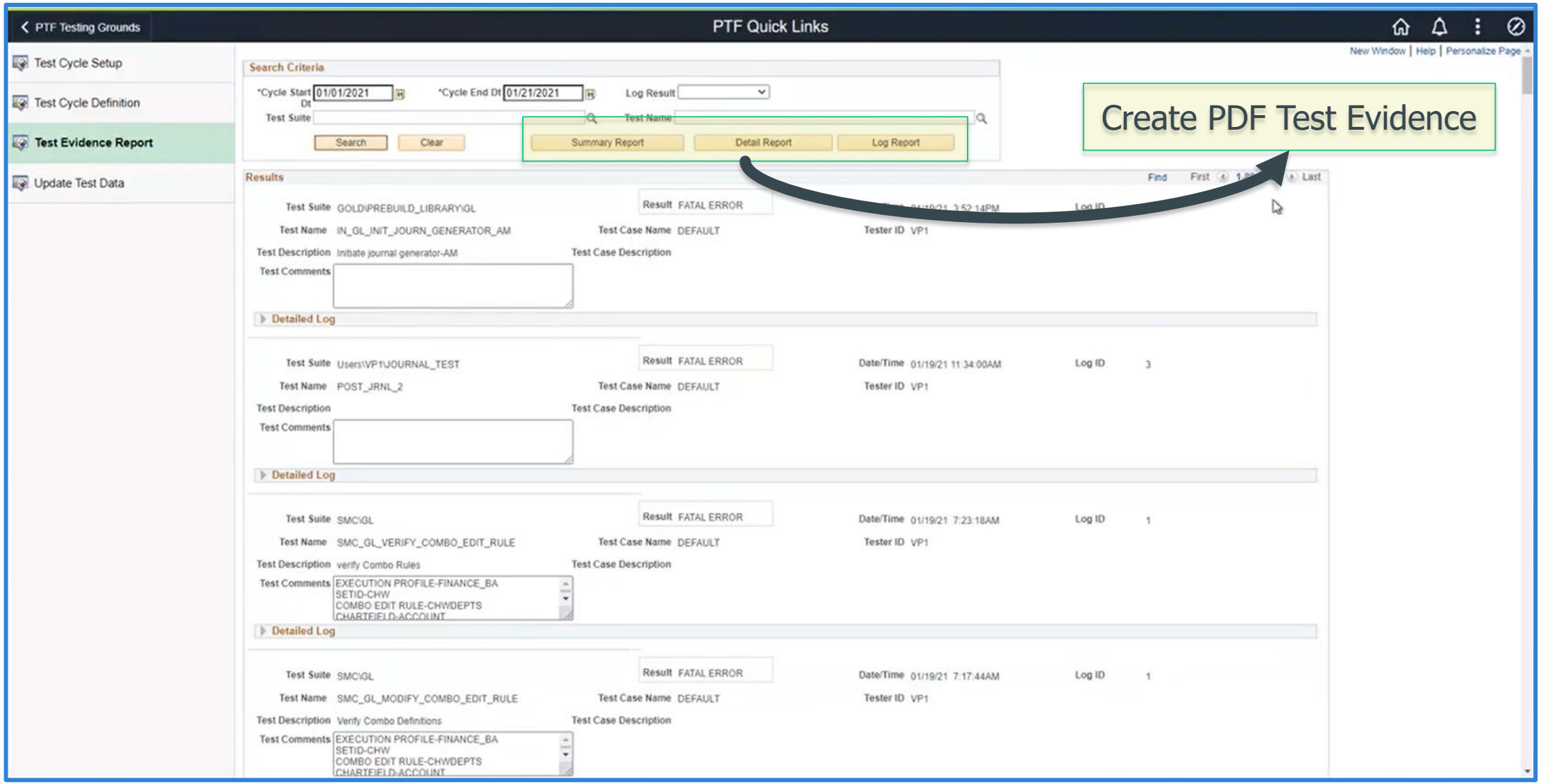
	Test Name	Test Case	Description	Executed By		Result
1	IN_GL_CREATE_STANDARD_JOURNAL	DEFAULT	Create standard journal entry	VP1		PASS
2	IN_GL_INIT_JOURN_INCORRECT	DEFAULT	Initiate journal generator-PO	VP1		FATALERROR
3	IN_GL_VIEW_UPDATE_JOURNAL	DEFAULT	View and update journal entry	VP1	Action	FATALERROR
4	IN_GL_CLOSING_INTERIM	DEFAULT	Specify closing rules-interim	VP1	Action	PASS
5	IN_GL_EDIT_JOURNAL_ONLINE	DEFAULT	Edit journal online	VP1	Action	PASS
6	IN_GL_INIT_JOURN_GENERATOR_AP	DEFAULT	Initiate journal generator-AP	VP1	Action	WARNING
7	IN_GL_INIT_JOURN_GENERATOR_IN	DEFAULT	Initiate journal generator-IN	VP1	Action	FATALERROR
8	IN_GL_INIT_JOURN_GENERATOR_PO	DEFAULT	Initiate journal generator-PO	VP1	Action	FATALERROR
9	IN_GL_POST_BUDGET_ENTRY	DEFAULT	Posting a budget journal entry	VP1	Action	FATALERROR
10	IN_GL_ACTIVATE_CHARTFIELD	DEFAULT	Activate New Chartfield Values	VP1	Action	PASS
11	IN_GL_CREATE_JOURN_MULTI_LINES	DEFAULT	Create a journal-Multiple Line	VP1	Action	PASS
12	IN_GL_EDIT_CHARTFI_JOURNAL_ONL	DEFAULT	Edit chartfield journal online	VP1	Action	FATALERROR
13	IN_GL_EDIT_MULTI_JOURNALS	DEFAULT	Editing Multiple journals	VP1	Action	PASS
14	IN_GL_INIT_JOURN_GENERATOR		Initiate journal generator-AP		Action	NOT RAN
15	IN_EDIT_JOURNAL_ERRORS	DEFAULT	Create standard journal entry	VP1	Action	PASS
16	IN_GL_ADJUST_BUDGET_PERIOD	DEFAULT	Adjust budget by period	VP1	Action	PASS


Search Results
Results
Test Parent Folder \GOLD\PREBUILD
Test Name
1 IN_GL_CREATE_STANDARD_JOURNA
2 IN_GL_INIT_JOURN_INCORRECT
3 IN_GL_VIEW_UPDATE_JOURNAL
4 IN_GL_CLOSING_INTERIM
5 IN_GL_EDIT_JOURNAL_ONLINE
6 IN_GL_INIT_JOURN_GENERATOR_AP
7 IN_GL_INIT_JOURN_GENERATOR_IN
8 IN_GL_INIT_JOURN_GENERATOR_PO
9 IN_GL_POST_BUDGET_ENTRY
10 IN_GL_ACTIVATE_CHARTFIELD
11 IN_GL_CREATE_JOURN_MULTI_LINES
12 IN_GL_EDIT_CHARTFI_JOURNAL_ON
13 IN_GL_EDIT_MULTI_JOURNALS
14 IN_GL_INIT_JOURN_GENERATOR
15 IN_EDIT_JOURNAL_ERRORS
16 IN_GL_ADJUST_BUDGET_PERIOD
Log Result
Test Information
Test Name IN_GL_CREATE_STANDARD_JOURNAL
Log ID 1
107 rows
Line Info
1 Test Start: 1/7/2021 4:19:56 AM
2 Use of Message Recognition
3 ErrorHnd: (15,11) [Test]
4 ErrorHnd: 5210,6 [Test]
5 ErrorHnd: 5010,465 [Test]
6 Browser.Start_Login
7 Frame set to ''
8 Goto URL
9 Browser.Login
10 Doing login in English
11 combobox.Set_Value [id=ptlangsel] -> ENG
12 text.Set_Value [id=userid] -> VP1
13 pwd.Set_Value [id=pwd] -> *****
14 button.Click [name=Submit]
15 Frame set to ''
Result
PASS
FATALERROR
FATALERROR
PASS
PASS
WARNING
FATALERROR
FATALERROR
FATALERROR
PASS
PASS
FATALERROR
PASS
NOT RAN
PASS
PASS


Search Results
Results
Test Parent Folder \GOLD\PREBUILD
Test Name
1 IN_GL_CREATE_STANDARD_JOURNA
2 IN_GL_INIT_JOURN_INCORRECT
3 IN_GL_VIEW_UPDATE_JOURNAL
4 IN_GL_CLOSING_INTERIM
5 IN_GL_EDIT_JOURNAL_ONLINE
6 IN_GL_INIT_JOURN_GENERATOR_AP
7 IN_GL_INIT_JOURN_GENERATOR_IN
8 IN_GL_INIT_JOURN_GENERATOR_PO
9 IN_GL_POST_BUDGET_ENTRY
10 IN_GL_ACTIVATE_CHARTFIELD
11 IN_GL_CREATE_JOURN_MULTI_LINES
12 IN_GL_EDIT_CHARTFI_JOURNAL_ON
13 IN_GL_EDIT_MULTI_JOURNALS
14 IN_GL_INIT_JOURN_GENERATOR
15 IN_EDIT_JOURNAL_ERRORS
50 link.Click [name=#ICSwitchMode]
51 text.Set_Value [name=INQ_CRIT_TBL_INQUIRY] -> POJRNL1
52 button.Click [name=#ICSearch]
53 link.Click [id=SEARCH_RESULT1]
54 text.Set_Value [name=INQ_CRIT_TBL_LEDGER] -> LOCAL
55 text.Set_Value [name=INQ_CRIT_TBL_BUSINESS_UNIT] -> US001
56 text.Set_Value [name=INQ_CRIT_TBL_FISCAL_YEAR] -> 2019
57 text.Set_Value [name=INQ_CRIT_TBL_PERIOD_FROM] -> 01
58 text.Set_Value [name=INQ_CRIT_TBL_PERIOD_TO] -> 12
59 text.Set_Value [name=INQ_CRIT_TBL_SOURCE] -> PO
60 text.Set_Value [name=INQ_CRIT_TBL_JRNL_HDR_STATUS] -> N
61 Page.Save
62 button.Click [Name=#ICSave]
63 ============= PageSave: YES ========
64 button.Click [name=INQ_CRIT_WRK_PB_GO]
65 link.Click [name=JOURNAL_ID_WRK$0]
66 Object not found in the page, or the access is denied to the Frame
67 LogScreenShot
68 Object not found, or Frame access denied
Journal Inquiry
Journal Criteria
Inquiry
POJRNL1
*Unit
US001
*Ledger
LOCAL
*Year
2019
*From Period
1
*To Period
12
Suspense Status
Journal ID
Date
Status
N
Source
PO
Currency
Stat
Document Type
Date Code Adj
User
Document Sequence
Sort By
Journal Id
Max Rows
100
Attachment Exist
Search
Delete
Clear
*** No Records Found ***
Save
Return to Search
Notify
Add
Update/Display
Screenshot
FATALERROR
PASS
NOT RAN
Pull up error screenshots


Update Test Data
Test Line Description
Value
1
add
2
US001
3
AMORTIZEID
4
03/31/2013
5
Click on Search/Add Button
6
Long Description
PREPAID INSURANCE-S.
7
Ledger Group
RECORDING
8
Source
CFO
9
10
Business Unit
US001
11
Account
643000
12
Foreign Amount
400
13
Pb Insert Ln
14
Business Unit
US001
Save
Print Manual Script


PTF Testing Grounds
PTF Quick Links
New Window | Help | Personalize Page
Test Cycle Setup
Test Cycle Definition
Test Evidence Report
Update Test Data
Search
Test Cycle: Patching Regression
Type:
Search
Clear
Run Auto Script
Create a One-Click Batch Script
Select All Deselect All
Personalize | Find | First 1-21 of 21 Last
Test ID | Type | Test Cycle Name | Test Name | Test Case Name | Processing Comment | Business Process | Execution Profile | Update Data | Print Manual Script
1 1 PTF Patching Regression IN_GL_WORK_CENTER DEFAULT GL_BATCH Update Data Print Manual Script
2 10 PTF Patching Regression IN_GL_CREATE_BUDGETJOUR_I DEFAULT GL_BATCH Update Data Print Manual Script
3 11 PTF Patching Regression IN_GL_CREATE_PRODUCT_COD DEFAULT GL_BATCH Update Data Print Manual Script
4 12 PTF Patching Regression IN_GL_ADJUST_BUDGET_YEAR DEFAULT GL_BATCH Update Data Print Manual Script
5 13 PTF Patching Regression IN_GL_ACCRUE_RECEIPTS DEFAULT GL_BATCH Update Data Print Manual Script
6 14 PTF Patching Regression IN_GL_BUDGETS_AXIOM_USER DEFAULT GL_BATCH Update Data Print Manual Script
7 15 PTF Patching Regression IN_GL_ACTIVATE_CHARTFIELD DEFAULT GL_BATCH Update Data Print Manual Script
8 16 PTF Patching Regression IN_GL_ADD_TRANS_ACCOUNTN DEFAULT GL_BATCH Update Data Print Manual Script
9 17 PTF Patching Regression IN_GL_CHANGE_HEADERS_SQR DEFAULT GL_BATCH Update Data Print Manual Script
10 18 PTF Patching Regression IN_GL_COPY_TREE DEFAULT GL_BATCH Update Data Print Manual Script
11 19 PTF Patching Regression IN_GL_CHHS_LEDGER_ACTIVITY DEFAULT GL_BATCH Update Data Print Manual Script
12 2 PTF Patching Regression IN_GL_APPROVE_JRNL DEFAULT GL_BATCH Update Data Print Manual Script
13 20 PTF Patching Regression IN_GL_CHARGE_CODE_ITEM_M DEFAULT GL_BATCH Update Data Print Manual Script
14 21 PTF Patching Regression IN_GL_POST_BUDGET_ENTRY DEFAULT GL_BATCH Update Data Print Manual Script
15 3 PTF Patching Regression IN_GL_COPY_JOURNAL DEFAULT GL_BATCH Update Data Print Manual Script
16 4 PTF Patching Regression IN_GL_CREATE_EDIT_POST_JOU DEFAULT GL_BATCH Update Data Print Manual Script
17 5 PTF Patching Regression IN_GL_CREATE_ACCOUNT DEFAULT GL_BATCH Update Data Print Manual Script
18 6 PTF Patching Regression IN_GL_EDIT_REVERSING_JOURI DEFAULT GL_BATCH Update Data Print Manual Script
19 7 PTF Patching Regression IN_GL_CREATE_DEPARTMENT DEFAULT GL_BATCH Update Data Print Manual Script
20 8 PTF Patching Regression IN_GL_CHARTFIELD_INQUIRY DEFAULT GL_BATCH Update Data Print Manual Script
21 9 PTF Patching Regression IN_GL_CLOSE_PERIOD DEFAULT GL_BATCH Update Data Print Manual Script
Save


PTF Testing Grounds
PTF Quick Links
New Window | Help | Personalize Page
Test Cycle Setup
Test Cycle Definition
Test Evidence Report
Update Test Data
Search Criteria
*Cycle Start Dt 01/01/2021
*Cycle End Dt 01/21/2021
Log Result
Test Suite
Test Name
Search
Clear
Summary Report
Detail Report
Log Report
Create PDF Test Evidence
Results
Find
First
Last
Test Suite GOLD\PREBUILD_LIBRARY\GL
Result FATAL ERROR
Test Name IN_GL_INIT_JOURN_GENERATOR_AM
Test Case Name DEFAULT
Tester ID VP1
Test Description Initiate journal generator-AM
Test Case Description
Test Comments
Detailed Log
Test Suite Users\VP1\JOURNAL_TEST
Result FATAL ERROR
Date/Time 01/19/21 11:34:00AM
Log ID 3
Test Name POST_JRNL_2
Test Case Name DEFAULT
Tester ID VP1
Test Description
Test Case Description
Test Comments
Detailed Log
Test Suite SMC\GL
Result FATAL ERROR
Date/Time 01/19/21 7:23:18AM
Log ID 1
Test Name SMC_GL_VERIFY_COMBO_EDIT_RULE
Test Case Name DEFAULT
Tester ID VP1
Test Description verify Combo Rules
Test Case Description
Test Comments EXECUTION PROFILE-FINANCE_BA
SETID-CHW
COMBO EDIT RULE-CHWDEPTS
CHARTFIELD-ACCOUNT
Detailed Log
Test Suite SMC\GL
Result FATAL ERROR
Date/Time 01/19/21 7:17:44AM
Log ID 1
Test Name SMC_GL_MODIFY_COMBO_EDIT_RULE
Test Case Name DEFAULT
Tester ID VP1
Test Description Verify Combo Definitions
Test Case Description
Test Comments EXECUTION PROFILE-FINANCE_BA
SETID-CHW
COMBO EDIT RULE-CHWDEPTS
CHARTFIELD-ACCOUNT



Case Study: PTF & Testing as a Service

The State of North Dakota & North Dakota University System

Situation

- The State of North Dakota (State) and the North Dakota University System (NDUS) own 6 pillars of PeopleSoft, with a fair number of customizations.
  - 2 FSCM, 2 HCM, 1 ELM, and 1 CS
- The State and NDUS had the need to reduce manual testing effort while maintaining and improving testing accuracy.
- The State and NDUS had no automated PeopleSoft application testing. All testing was done manually, requiring a large amount of time and effort.
- Staff turnover also created a large need for automation.
- The State had limited or no regression testing.
- Keeping up with PUM updates was a constant struggle.

Task

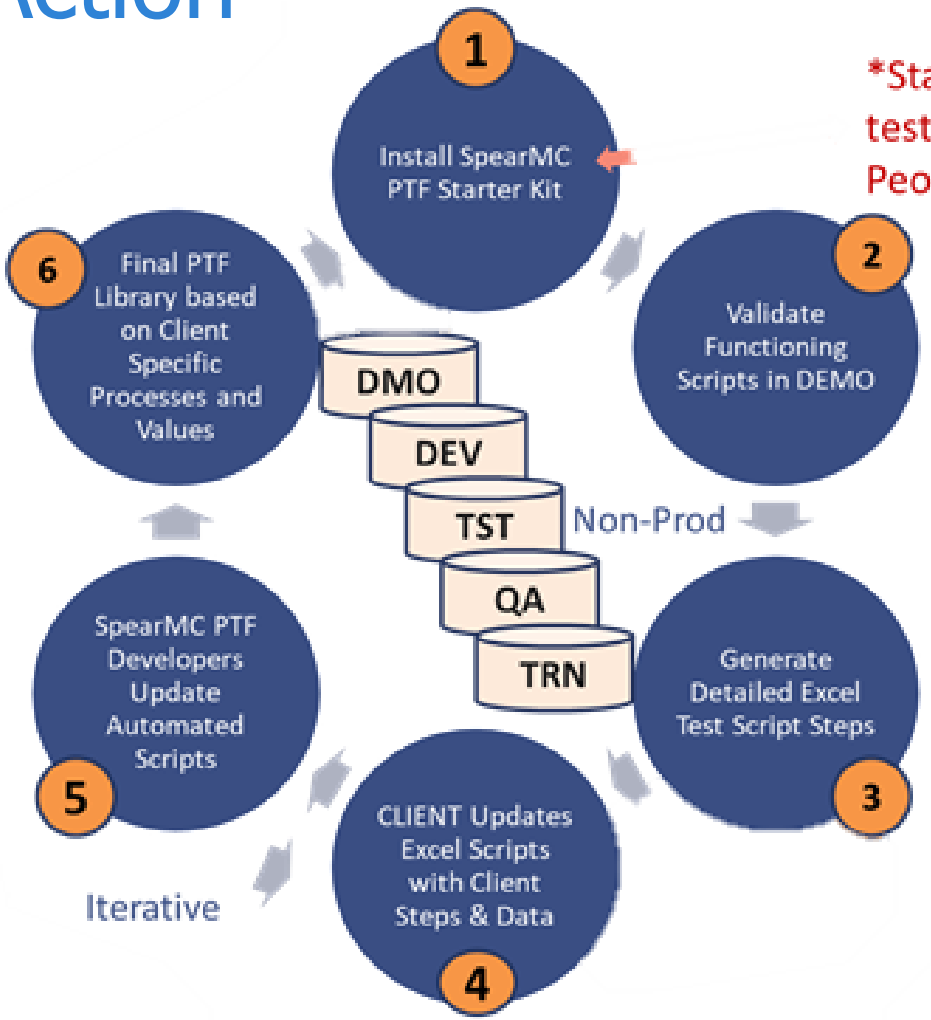
- The State of North Dakota and North Dakota University System procured a solution to automate Peoplesoft application testing using Peoplesoft Test Framework (PTF).
- This was to be in combination with pre-written scripts, bolt-ons and/or additional automation to improve the testing process.
- These tests were to be designed to cover a wide range of scenarios to ensure the functionality, reliability, and performance of PeopleSoft systems.
- A set of goals and objectives were outlined in the RFP.

Task – Goals

ND's automated testing goals and objectives:

1. Identify anomalies and reduce regression testing efforts while maintaining accuracy.
2. Consistently test across environments for upgrade and lifecycle management.
3. Increase current testing capacity.
4. Reduce manual testing by 70-80%.
5. Reduce the risk of project failures due to poor testing.
6. Reduce the time and resources required to move updates to production.
7. Reporting to show what was tested and the results.

Action



*Start with SpearMC test libraries for all PeopleSoft modules

State and NDUS subscribed to SpearMC's **Testing as a Service** (TaaS).

Service is available either *quarterly*, *semi-annually*, or *annually*.

- Script Maintenance
- Delta Training
- Full Cycle Testing
- Testing Grounds Dashboards

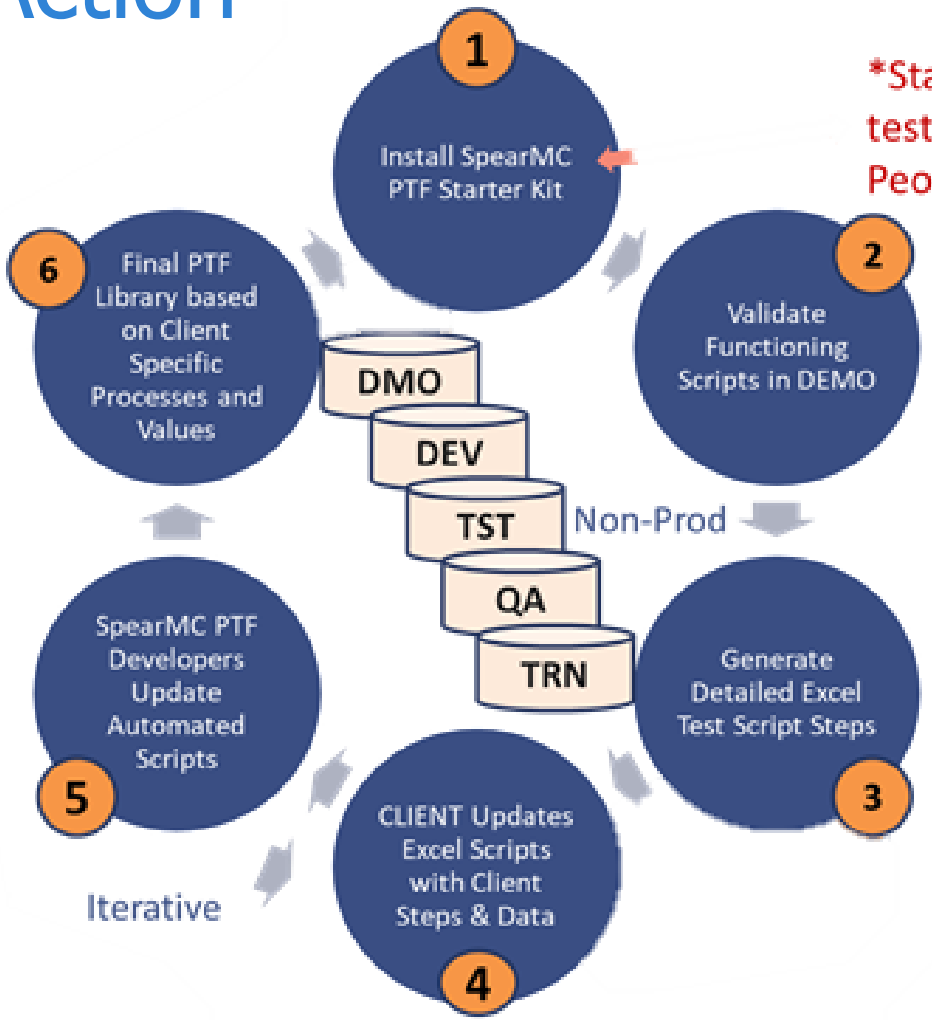
Project Overview – Script Totals



PTF Script Count

CLIENT	PILLAR	MODULES	TOTAL SCRIPTS
NDUS	FSCM	Total FSCM Scripts	215
NDUS	HCM	Total HCM Scripts	79
NDUS	CS	Total CS Scripts	114
NDSTATE	FSCM	Total FSCM Scripts	183
NDSTATE	HCM	Total HCM Scripts	107
NDSTATE	ELM	Total ELM Scripts	23
		Total	721

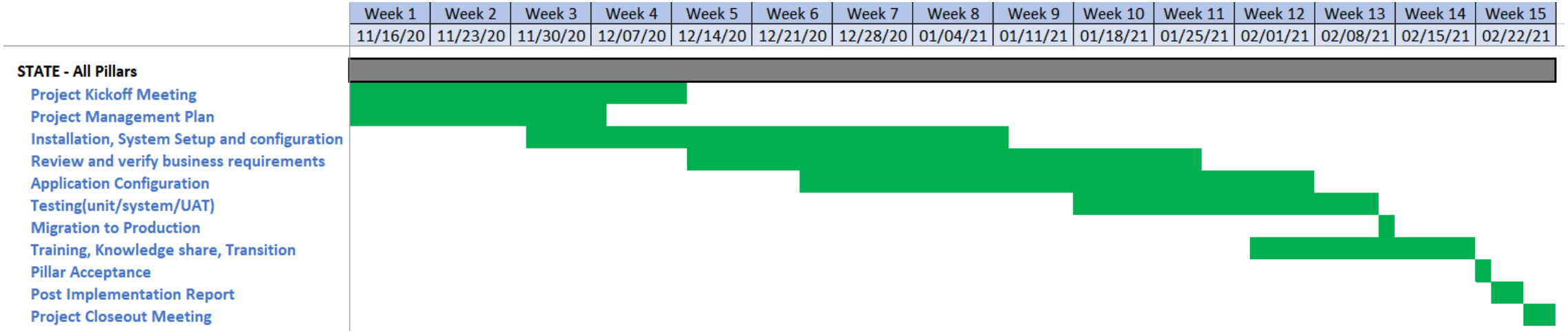
Action



*Start with SpearMC test libraries for all PeopleSoft modules

- **Requirements Gathering**
- **Test Design**
- **Test Development**
- **Test Execution and Validation**
- **Issue Resolution**
- **Documentation**

TaaS – State – Project Overview



- State of North Dakota To Develop All Pillars Simultaneously
  - End-to-end 15 Week Initiative
  - Included PTF Migration & SpearMC Testing Grounds Deployment

TaaS – State – HCM Pillar

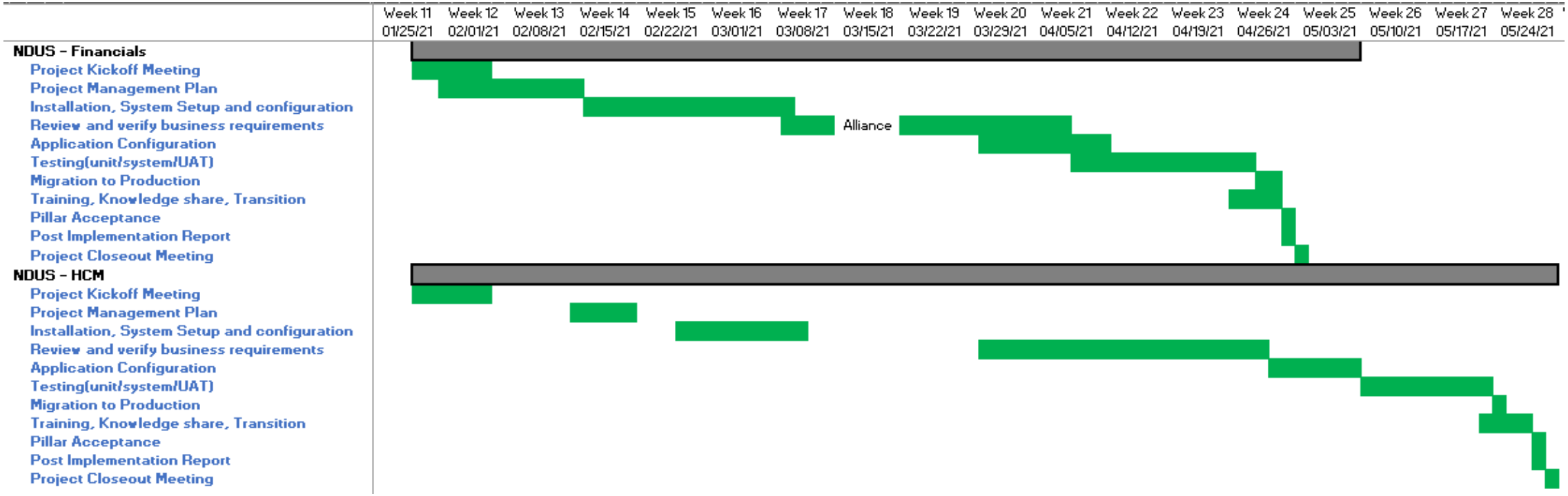
	0. Not Tested		2. Passed - Evidence		Total Percent	Total Count
Module	**Percent**	**Count**	**Percent**	**Count**		
Absence Management	0.00%		100.00%	8	100.00%	8
Career Planning	0.00%		100.00%	1	100.00%	1
Commitment Accounting	83.33%	5	16.67%	1	100.00%	6
Core	0.00%		100.00%	3	100.00%	3
ePerformance	0.00%		100.00%	7	100.00%	7
ESS	0.00%		100.00%	12	100.00%	12
FSA	100.00%	2	0.00%		100.00%	2
HR	100.00%	8	0.00%		100.00%	8
MSS	0.00%		100.00%	2	100.00%	2
Payroll	100.00%	21	0.00%		100.00%	21
Profile Management	0.00%		100.00%	2	100.00%	2
Recruiting	100.00%	19	0.00%		100.00%	19
Succession Planning	0.00%		100.00%	4	100.00%	4
Time and Labor	100.00%	10	0.00%		100.00%	10
Grand Total	**61.90%**	**65**	**38.10%**	**40**	**100.00%**	**105**

TaaS – State – Financials & ELM Pillars

Row Labels	0. Not Tested Percent	0. Not Tested Count	Total Percent	Total Count
Accounts Payable (AP)	100.00%	24	100.00%	24
Accounts Receivable (AR)	100.00%	41	100.00%	41
Allocations (AL)	100.00%	5	100.00%	5
Asset Management (AM)	100.00%	16	100.00%	16
Billing (BI)	100.00%	13	100.00%	13
Commitment Control (CC)	100.00%	5	100.00%	5
General Ledger (GL)	100.00%	15	100.00%	15
Inventory (IN)	100.00%	12	100.00%	12
PCard	100.00%	7	100.00%	7
Projects (PR)	100.00%	6	100.00%	6
Purchasing (PO)	100.00%	37	100.00%	37
Suppliers/1099s (PO)	100.00%	8	100.00%	8
Grand Total	**100.00%**	**189**	**100.00%**	**189**

Module	0. Not Tested Percent	0. Not Tested Count	Total Percent	Total Count
Admin	100.00%	12	100.00%	12
ESS	100.00%	5	100.00%	5
MSS	100.00%	6	100.00%	6
Grand Total	**100.00%**	**23**	**100.00%**	**23**

TaaS – NDUS – Project Overview



- NDUS – CS, FIN, and HCM Separate
  - Includes PTF migration & SpearMC Testing Grounds deployment

TaaS – NDUS – FSCM Pillar

Row Labels	0. Not Tested Percent	0. Not Tested Count	1. Functional Help Percent	1. Functional Help Count	2. Passed - Evidence Percent	2. Passed - Evidence Count	Total Percent	Total Count
Accounts Payable (AP)	0.00%		38.10%	8	61.90%	13	100.00%	21
Accounts Receivable (AR)	0.00%		2.78%	1	97.22%	35	100.00%	36
General Ledger (GL)	6.67%	1	26.67%	4	66.67%	10	100.00%	15
Reporting Tools	0.00%		0.00%		100.00%	2	100.00%	2
Billing	0.00%		5.00%	1	95.00%	19	100.00%	20
Projects	0.00%		0.00%		100.00%	7	100.00%	7
Commitment Control	0.00%		0.00%		100.00%	6	100.00%	6
Allocations	0.00%		0.00%		100.00%	3	100.00%	3
Purchasing	0.00%		13.33%	2	86.67%	13	100.00%	15
Asset Management	0.00%		0.00%		100.00%	19	100.00%	19
Grants	40.00%	8	0.00%		60.00%	12	100.00%	20
Suppliers/1099s	7.69%	1	0.00%		92.31%	12	100.00%	13
Contracts	16.67%	2	58.33%	7	25.00%	3	100.00%	12
Expenses	9.09%	3	0.00%		90.91%	30	100.00%	33
Grand Total	**6.76%**	**15**	**10.36%**	**23**	**82.88%**	**184**	**100.00%**	**222**

TaaS – NDUS – HCM Pillar

Module	1. Functional Help Percent	1. Functional Help Count	2. Passed - Evidence Percent	2. Passed - Evidence Count	Total Percent	Total Count
Absence Management	16.67%	1	83.33%	5	100.00%	6
Ben Admin	0.00%		100.00%	3	100.00%	3
Commitment Accounting	0.00%		100.00%	8	100.00%	8
ESS	0.00%		100.00%	9	100.00%	9
Onboarding	50.00%	1	50.00%	1	100.00%	2
Payroll	0.00%		100.00%	14	100.00%	14
Time and Labor	25.00%	1	75.00%	3	100.00%	4
Core HR	0.00%		100.00%	8	100.00%	8
Contract Pay	0.00%		100.00%	1	100.00%	1
Recruiting	0.00%		100.00%	14	100.00%	14
Grand Total	**4.35%**	**3**	**95.65%**	**66**	**100.00%**	**69**

TaaS – NDUS – CS Pillar

Module	0. Not Tested Percent	0. Not Tested Count	1. Functional Help Percent	1. Functional Help Count	2. Passed - Evidence Percent	2. Passed - Evidence Count	Total Percent	Total Count
Academic Advisement	0.00%		25.00%	1	75.00%	3	100.00%	4
Admissions	0.00%		0.00%		100.00%	9	100.00%	9
Campus Community	0.00%		6.45%	2	93.55%	29	100.00%	31
Financial Aid	0.00%		0.00%		100.00%	33	100.00%	33
Student Financials	0.00%		15.00%	3	85.00%	17	100.00%	20
Student Records	15.00%	3	0.00%		85.00%	17	100.00%	20
Grand Total	**2.56%**	**3**	**5.13%**	**6**	**92.31%**	**108**	**100.00%**	**117**

Result

ND's automated testing goals and objectives:

1. Identify anomalies and reduce regression testing efforts while maintaining accuracy.
2. Consistently test across environments for upgrade and lifecycle management.
3. Increase current testing capacity.
4. Reduce manual testing by 70-80%.
5. Reduce the risk of project failures due to poor testing.
6. Reduce the time and resources required to move updates to production.
7. Reporting to show what was tested and the results.
8. Annual PUM applications remain within 2-3 images of current.
9. Majority of customizations included in automated testing.
10. Huge reduction in testing cycle times, 60%+. In some cases, as short as 2 days.



SpearMC

Questions?

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Session ID:

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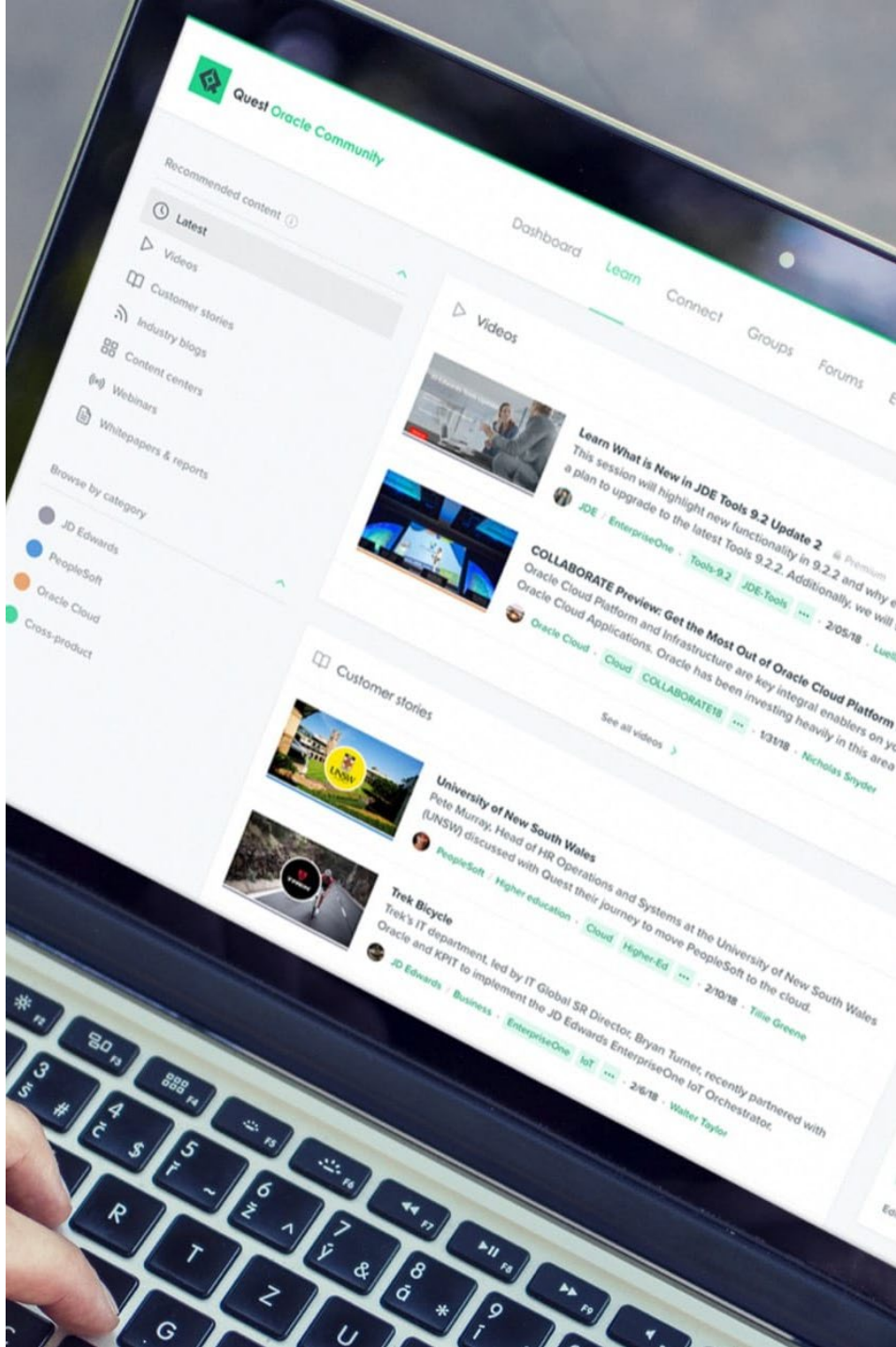
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Appendix

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SpearMC Sessions

Date	Time (ET)	Session Title	Presenter	Session #
10/29	12:00 PM	Business Process Weaver – Automation please!	Jessica Mann Yuliya Ivanova	P-049639
10/29	1:30 PM	Demo Enhancing Internal Controls Using a Segregation of Duties Analyzer	Randy Johnson	DEMO
10/29	1:45 PM	Learn PeopleSoft Today, Invest in Your Future with PeopleSoft All Access Learning Pass. Product Demonstration for PeopleTools, FSCM, HCM and Campus Solutions.	Marcus Bode Susan Caranante	DEMO
10/29	2:30 PM	A Fresh Look at PeopleSoft Grants Management	Jessica Mann	P-049641
10/29	3:45 PM	Customer Panel - Oracle Guided Learning	Cameron McClurg	P-049755
10/30	12:00 PM	Exploring PeopleSoft PICASO: A Guided Demo of Chatbot Capabilities	Joe Finlinson	DEMO
10/30	1:15 PM	Achieve a Seamlessly Integrated Time, Absence, Payroll Management Solution using PeopleSoft HCM	Logesh Balasubramaniam	P-049960
10/30	3:00 PM	PeopleSoft Automated Testing and PTF Accelerators at NDUS and State of ND	Tarun Amuthan	DEMO
10/30	3:45 PM	PeopleSoft Fluid Delegation Framework Best Practices	Randy Johnson	P-049664
10/30	5:00 PM	Taking PeopleSoft Chatbots to the Next Level with Oracle Guided Learning (OGL)	Tarun Amuthan	P-049649
10/31	11:00 AM	Demo Using the Powerful Fluid Navigation Collections Framework	Logesh Balasubramaniam	DEMO
10/31	11:15 AM	OGL: Real Time Guided Processing for Students, Applicants, Employees, Suppliers & Customers	Cameron McClurg	DEMO
10/31	2:30 PM	PeopleSoft Match Exception Collaboration Center - Real World Lessons Learned!	Randy Johnson	P-049663

2024 Training Calendar

Date	Session Title
Nov 4	PeopleSoft 9.2 Query Basic & Intermediate for HCM
Nov 5	PeopleSoft 9.2 Query Advanced for HCM
Nov 7	PeopleTools 8.59-8.61 OpenSearch Dashboards
Dec 10-11, 17-18	PeopleTools 8.59-8.61 System Administration: Maintenance and Troubleshooting

Visit our website for additional details

2025 Training Calendar

Date	Session Title
Jan 22	PeopleSoft 9.2 Query Basic & Intermediate for FSCM
Jan 23	PeopleSoft 9.2 Query Advanced for FSCM
Feb 19	PeopleSoft 9.2 Query Basic & Intermediate for Campus Solutions
Feb 20	PeopleSoft 9.2 Query Advanced for Campus Solutions