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PeopleSoft Automated Testing and PTF Accelerators

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

Agenda

- Introduction to SpearMC
- PeopleSoft Test Framework
- The Testing Grounds Tool
- Implementing the Tool – A Case Study at The State of North Dakota and NDUS
- Q&A

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Meet SpearMC

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Meet SpearMC

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About SpearMC

SpearMC

An Oracle Platinum Partner, we specialize in:

- PeopleSoft FSCM, HCM, SCM, Lease Administration
- PeopleSoft Application Support Managed Services
- PeopleSoft and Tools Training
- PeopleSoft Hosting on OCI
- PeopleSoft Test Framework and Test Automation
- PeopleSoft PUM Update and Testing as a Service
- Oracle EPM Cloud & Hyperion
- Oracle Business Intelligence

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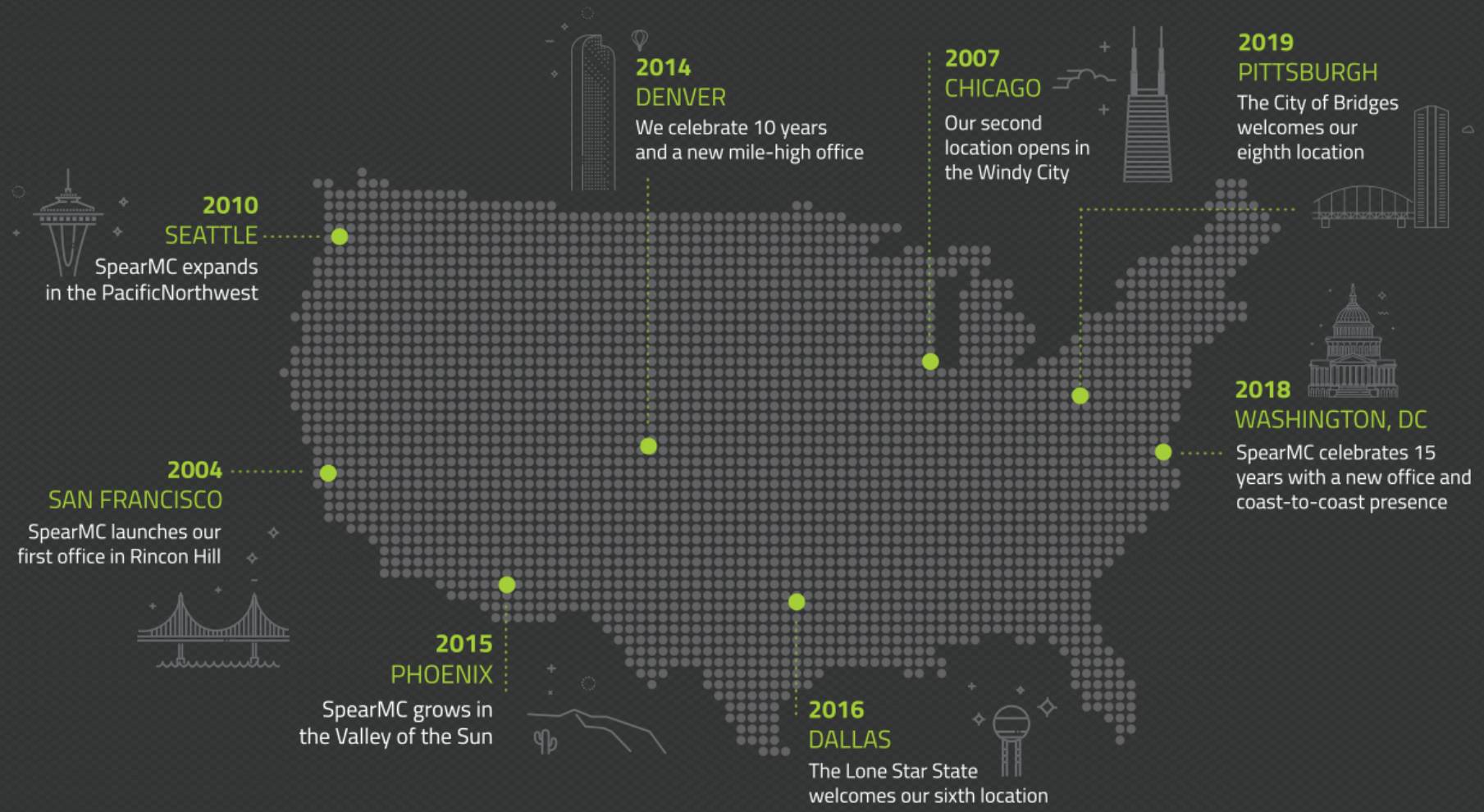
Coast-to-coast Coverage



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Gartner recognized. Oracle specialized.

SpearMC is the sole featured PeopleSoft vendor in the latest 2022 Gartner Market Guide for Oracle Professional Services. We invested heavily into PeopleSoft several years ago and went “all in” with our leading approach to Oracle Cloud Infrastructure.

READ MORE >

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Our Services

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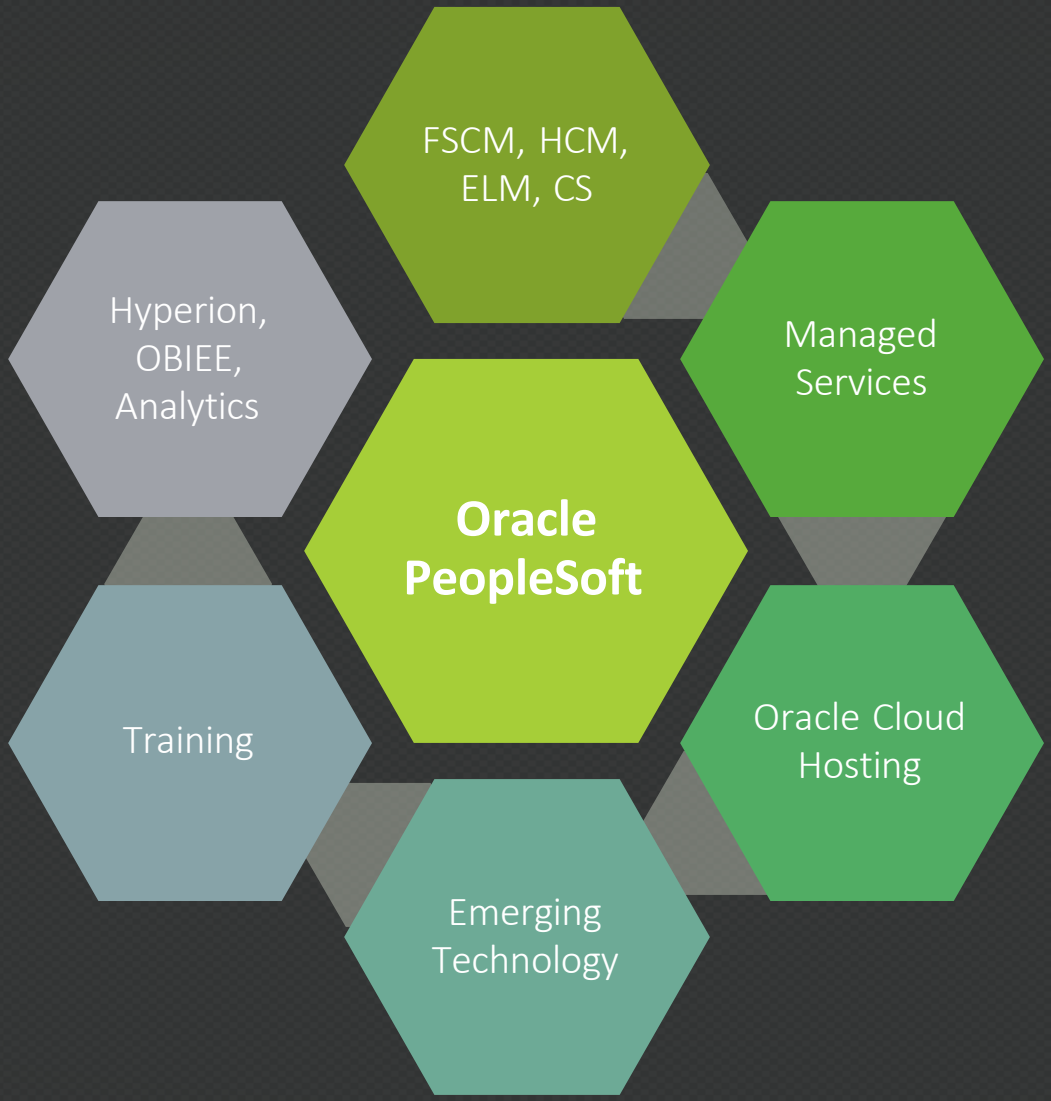

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Managed Services

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PeopleSoft Managed Services

Testing as a Service

Infrastructure Hosting

Technical Support

Functional Support

Staying Current

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PeopleSoft Test Framework

A short introduction.

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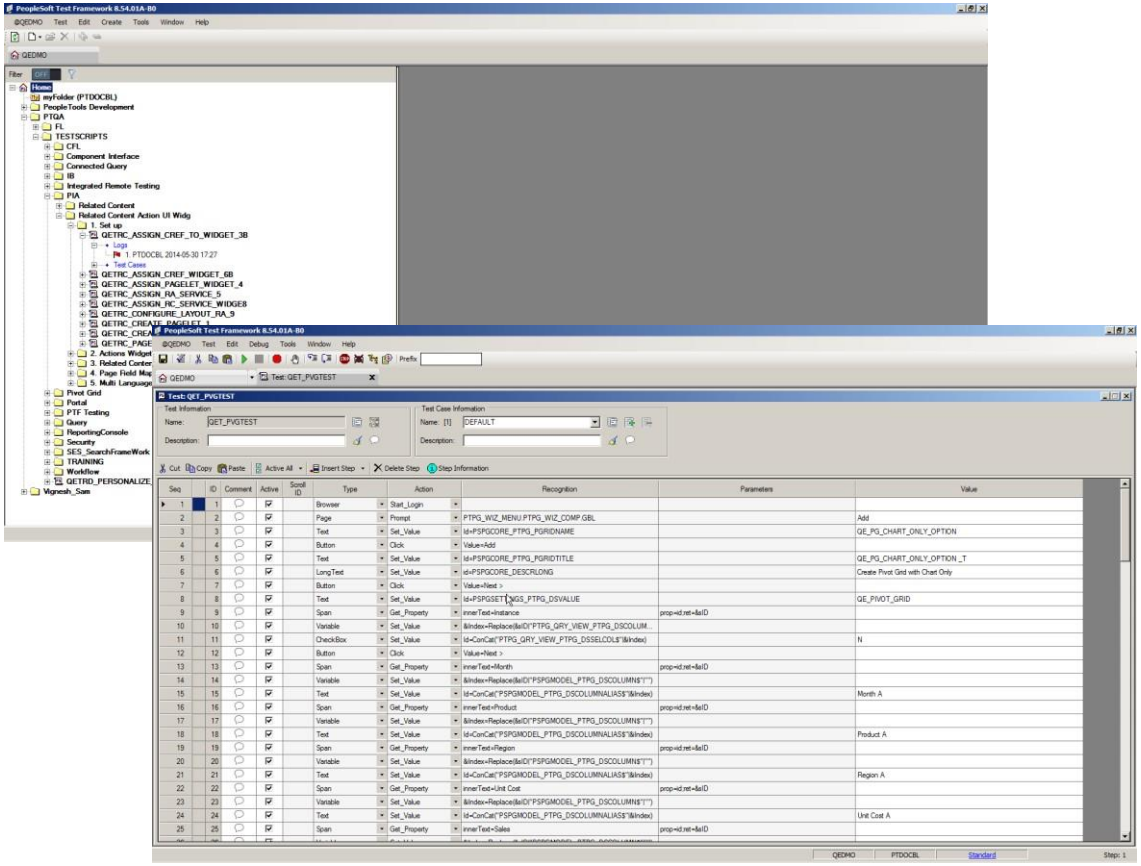
The PTF Client - Features



Built for test engineers and developers.

Delivered features:

- Test execution in Chrome, Firefox, IE
- Test cases for data management
- Test linking (shells)
- Maintenance reports
- Test upgrade tools

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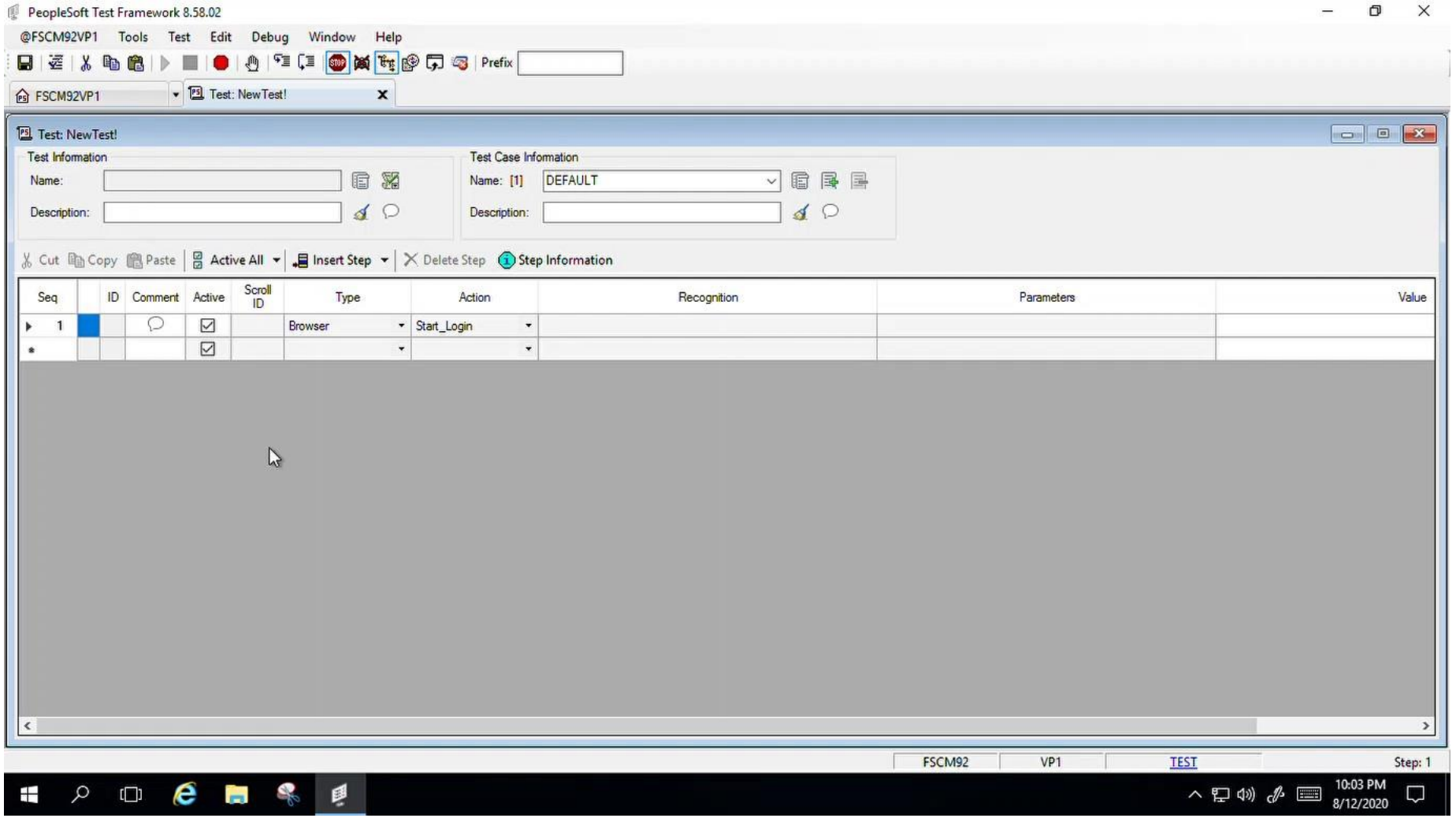
The PTF Client - Demo



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SpearMC Testing Grounds

A bolt-on solution built for PTF.

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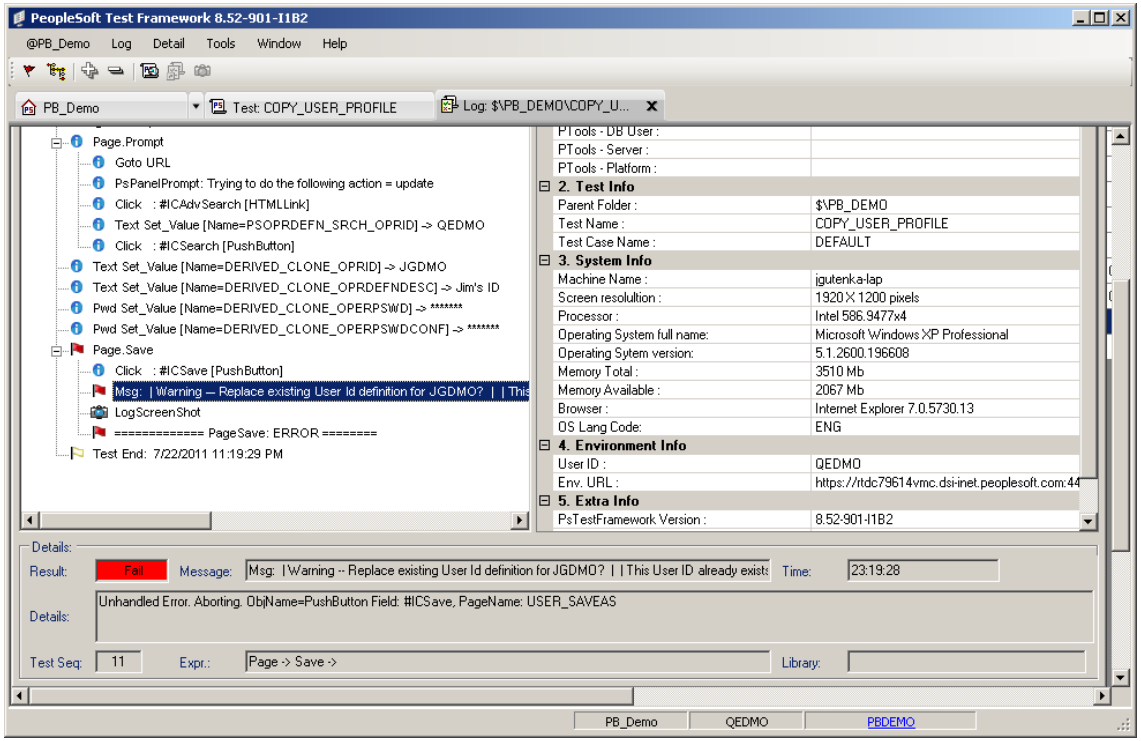
The PTF Client - Gaps



Oracle's delivered PTF client has great features designed for creating, maintaining, and runninga test library.

However, the PTF client doesn't deliver online reporting or editing functionality that users need during test cycles.

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What is the Testing Grounds?

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
- Define test cycles

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Testing Grounds - Demo

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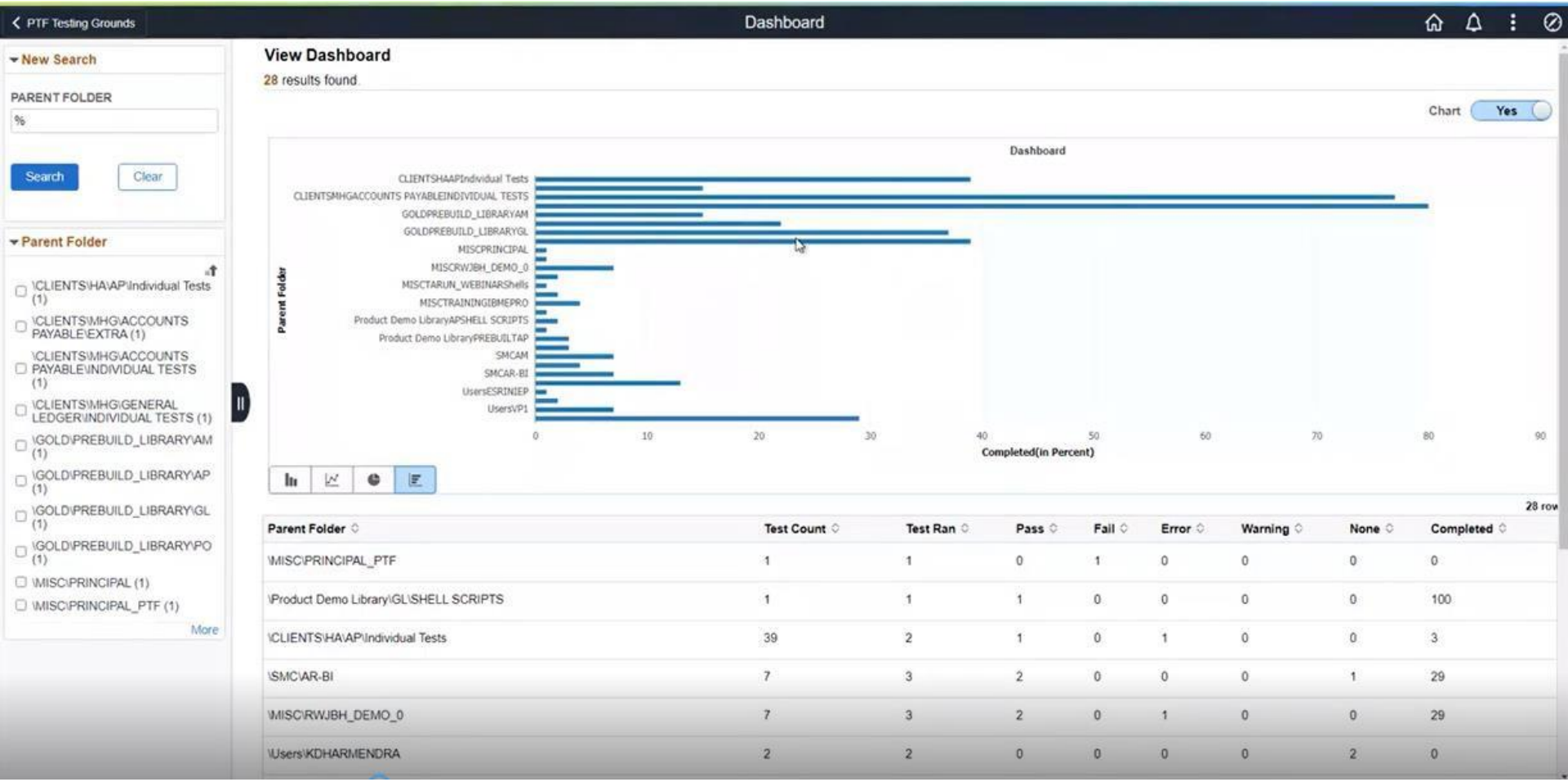
Testing Dashboard



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

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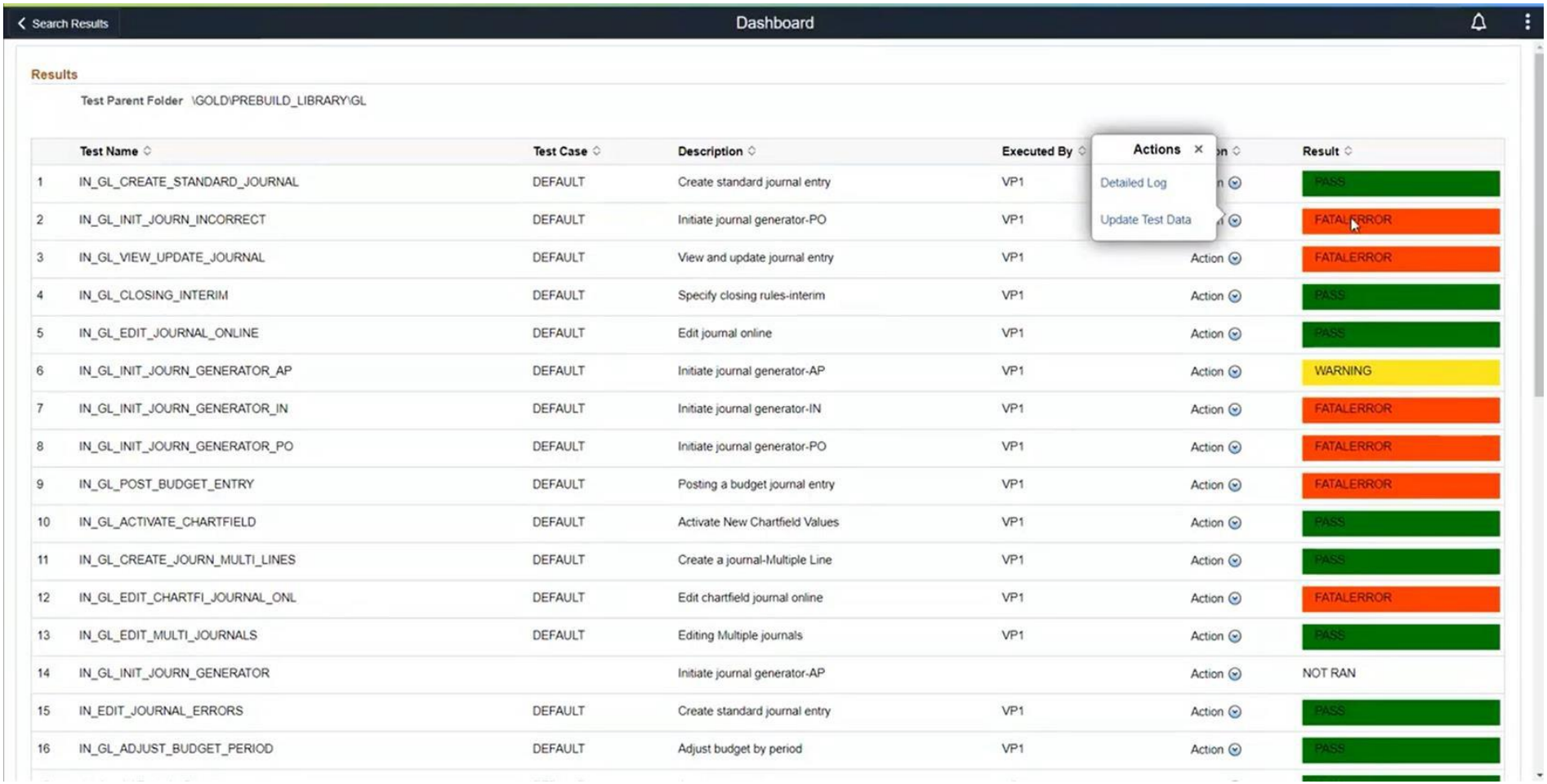
Drilldown to Folder



	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

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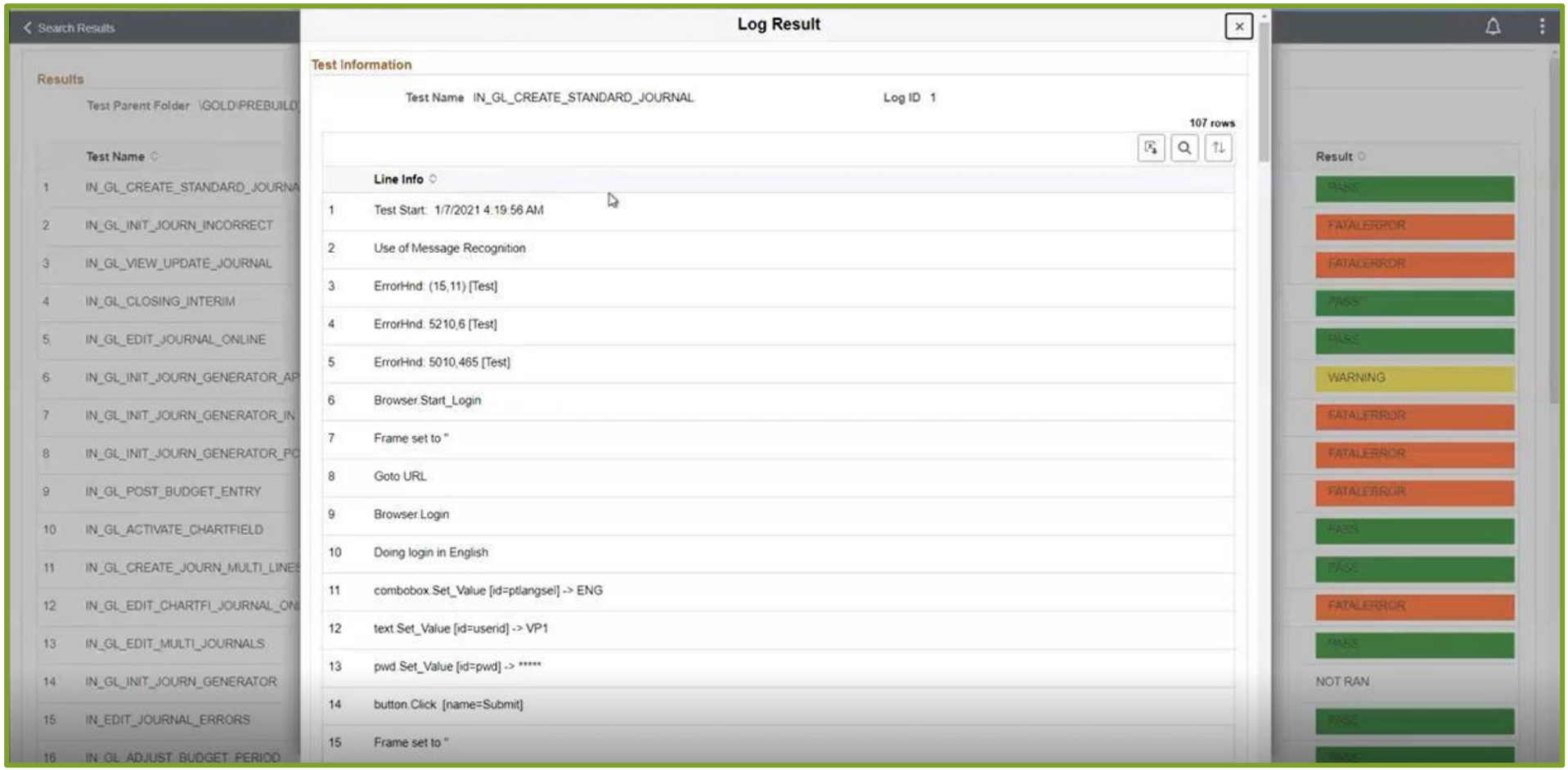
Detailed Test Log



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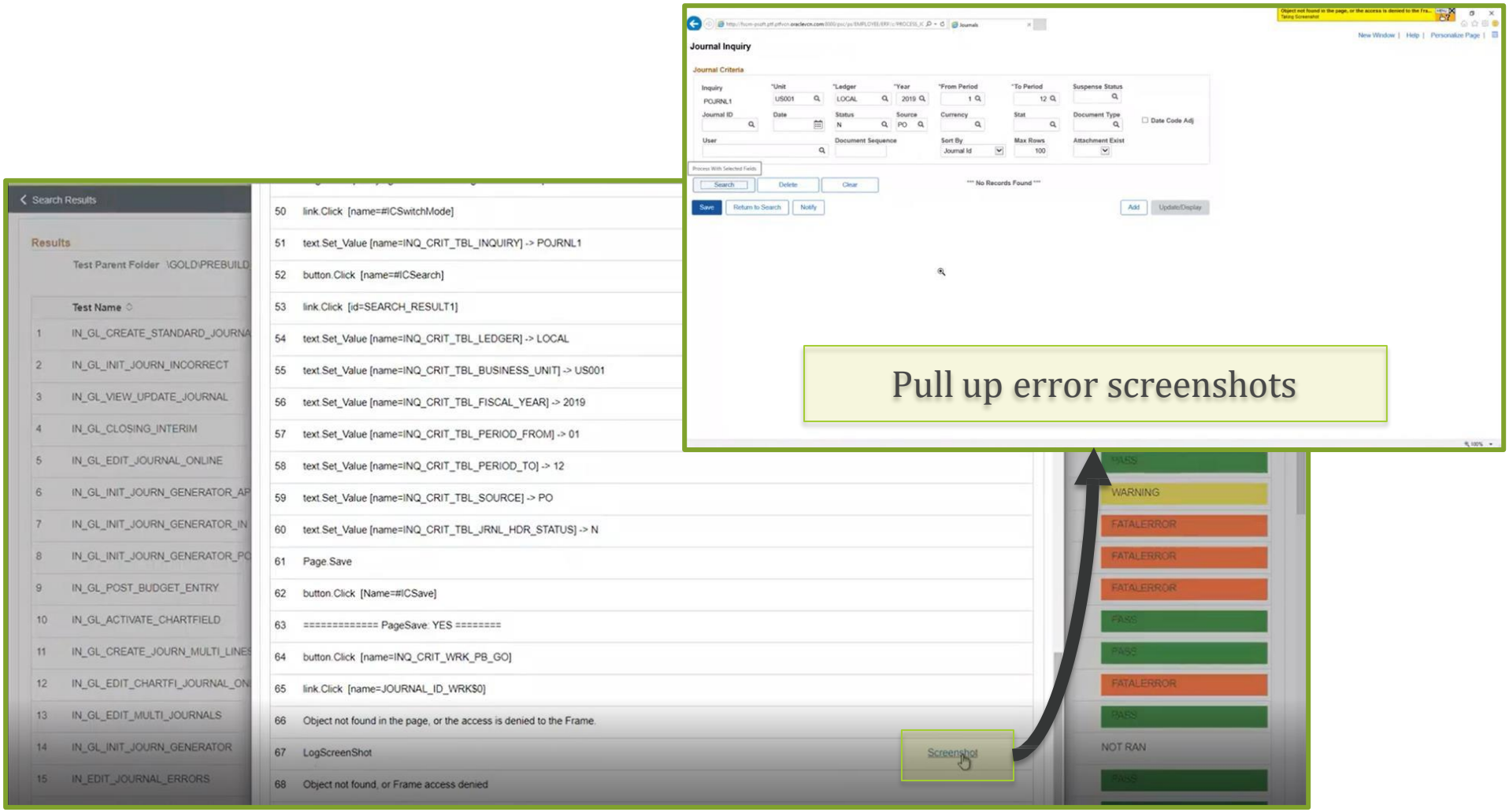
Error Screenshots



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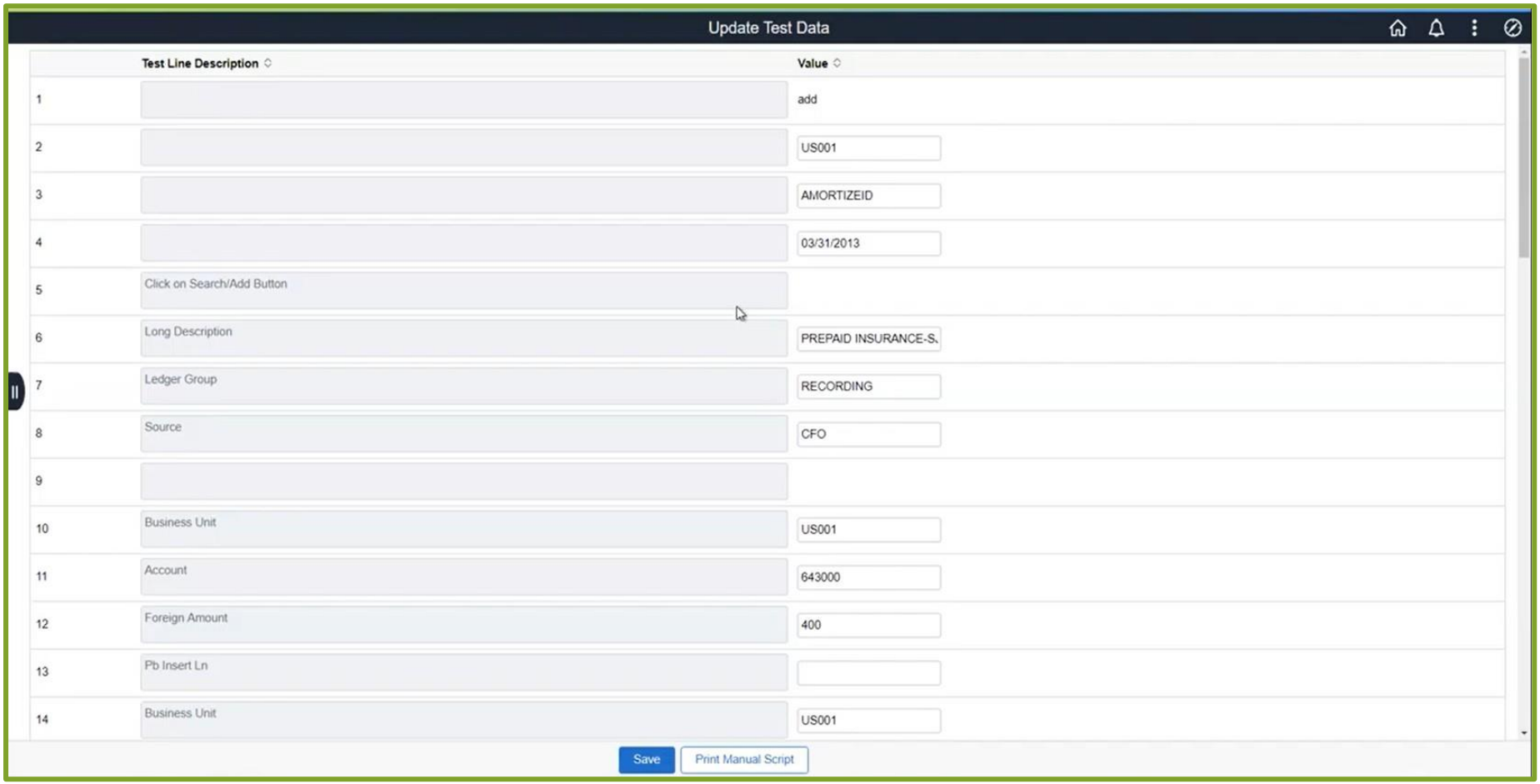
Update Test Data



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Define Test Cycles

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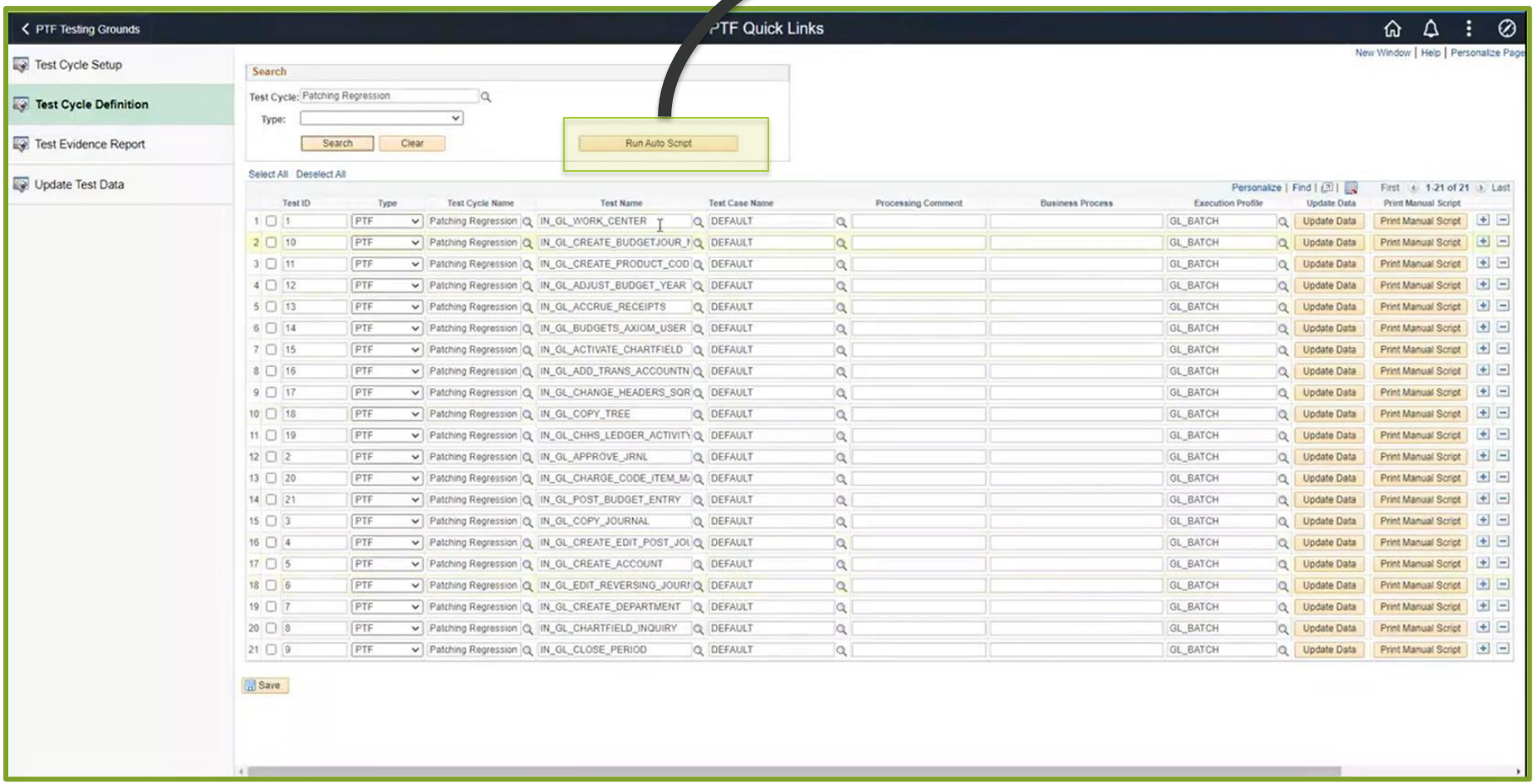
Create a One-Click Batch Script



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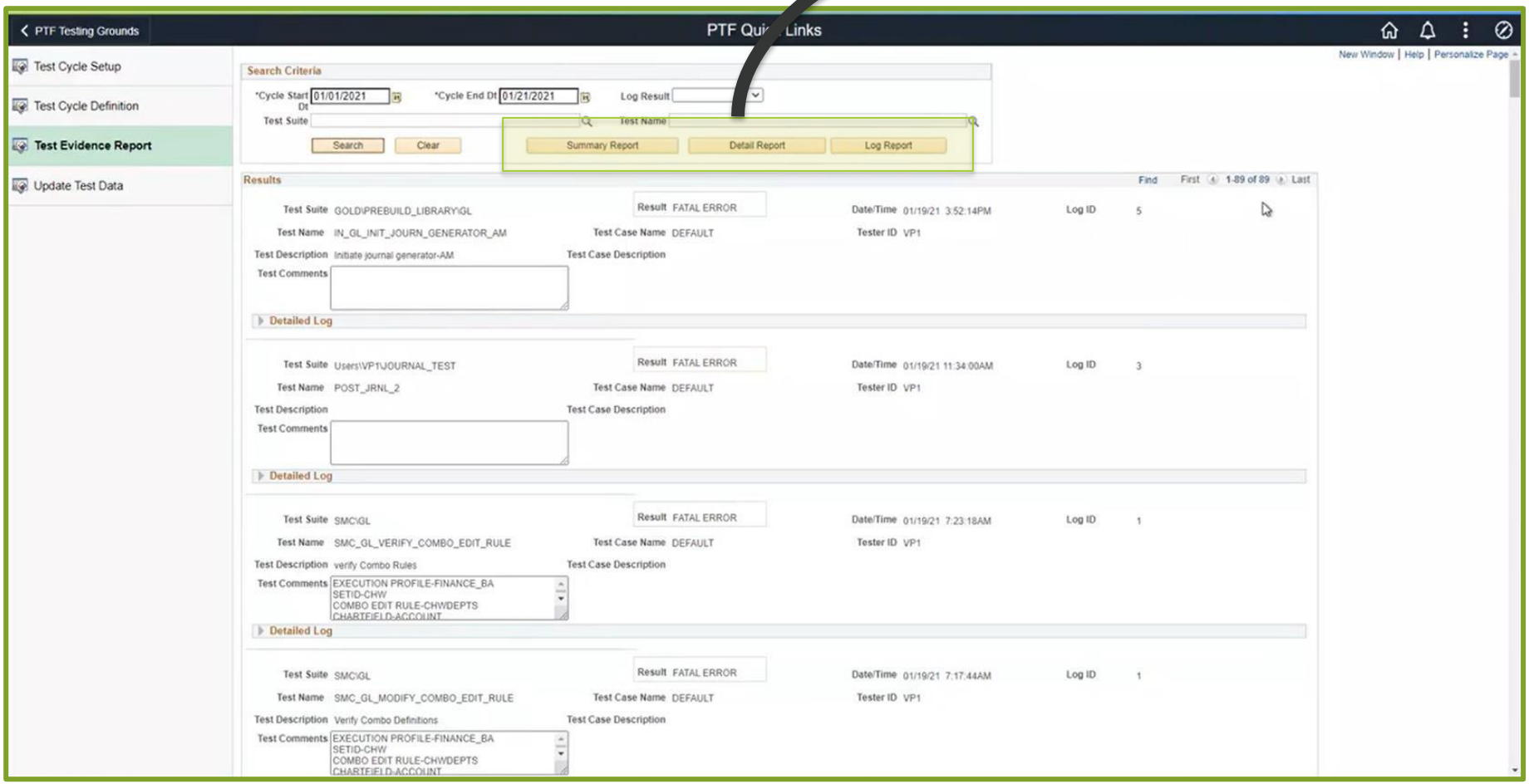
Define Test Cycles

Create PDF Test Evidence



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PTF & TaaS Case Study

From The State of North Dakota & North Dakota University System

NORTH Dakota
Be Legendary.™

NORTH DAKOTA UNIVERSITY SYSTEM
ACCESS. INNOVATION. EXCELLENCE.

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Testing Grounds Implementation

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

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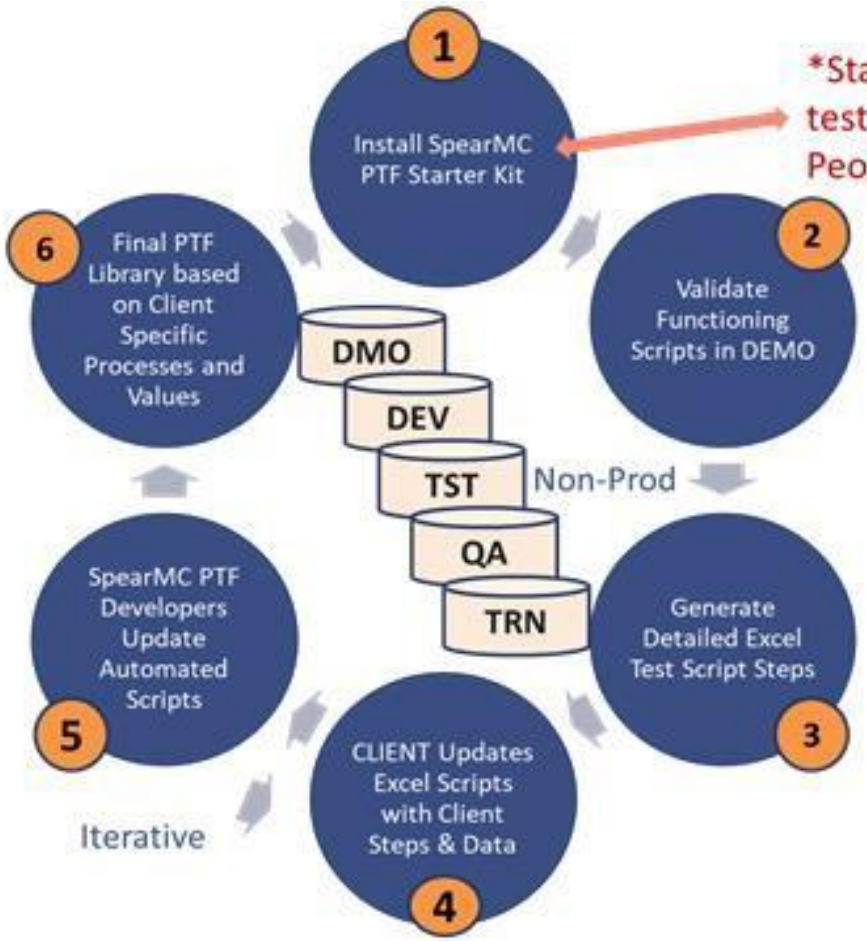
PTF Implementation



ND and NDUS subscribed to SpearMC's Testing as a Service, or TaaS.

- Service is available quarterly, semi-annually, or annually.
  - Script Maintenance
  - Delta Training
  - Full Cycle Testing
  - Testing Grounds Dashboards

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ND & NDUS Automated Scripts

PTF Scrip

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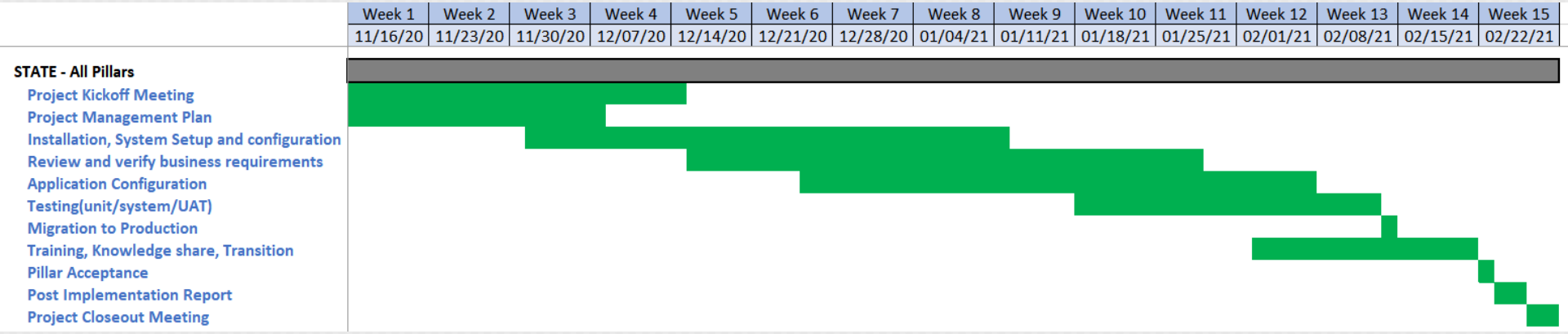
Project Overview - State



- **State of North Dakota To Perform all Pillars Simultaneously**
  - End-to-end 15 Week Initiative
  - Includes PTF Migration & SpearMC Testing Grounds Deployment
  - TaaS Schedule In Progress

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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**

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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**

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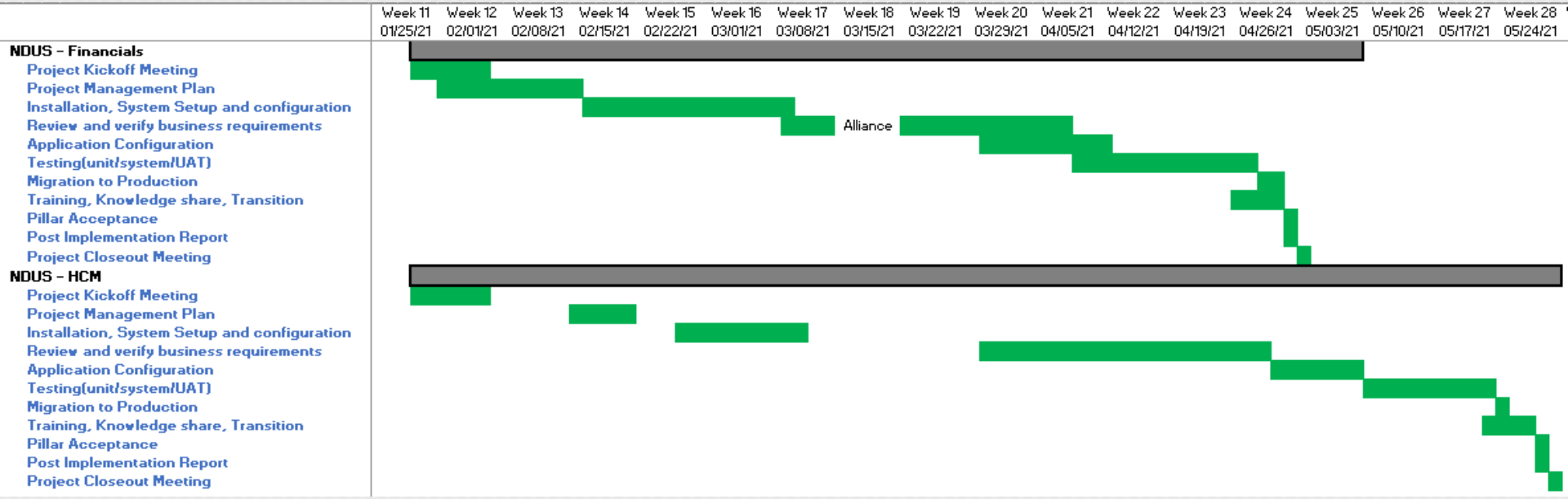
Project Overview - NDUS



➢ NDUS - FIN and HCM

- Includes PTF migration & SpearMC Testing Grounds deployment
- TaaS Schedule In Progress

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TaaS – NDUS – Financials 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**

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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**

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TaaS – NDUS – CS Pillar

	0. Not Tested		1. Functional Help		2. Passed - Evidence		Total Percent	Total Count
Module	Percent	Count	Percent	Count	Percent	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**

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ND & NDUS Realized Benefits

- 60% reduction in testing cycle time
- 90% of customizations included in PTF scripts
- Annual PUM applications to remain within 2-3 images of current

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Q&A

Thank you for attending today!

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