



# USING PTF AT GRIFFITH UNIVERSITY

SESSION 6048  
7<sup>th</sup> November 2018

ADU 7-9 NOVEMBER 2018

# PRESENTERS

## Amal Dissanayake

Development Team Leader

Griffith University

[a.dissanayake@griffith.edu.au](mailto:a.dissanayake@griffith.edu.au)

Super awesome at PeopleSoft  
development!

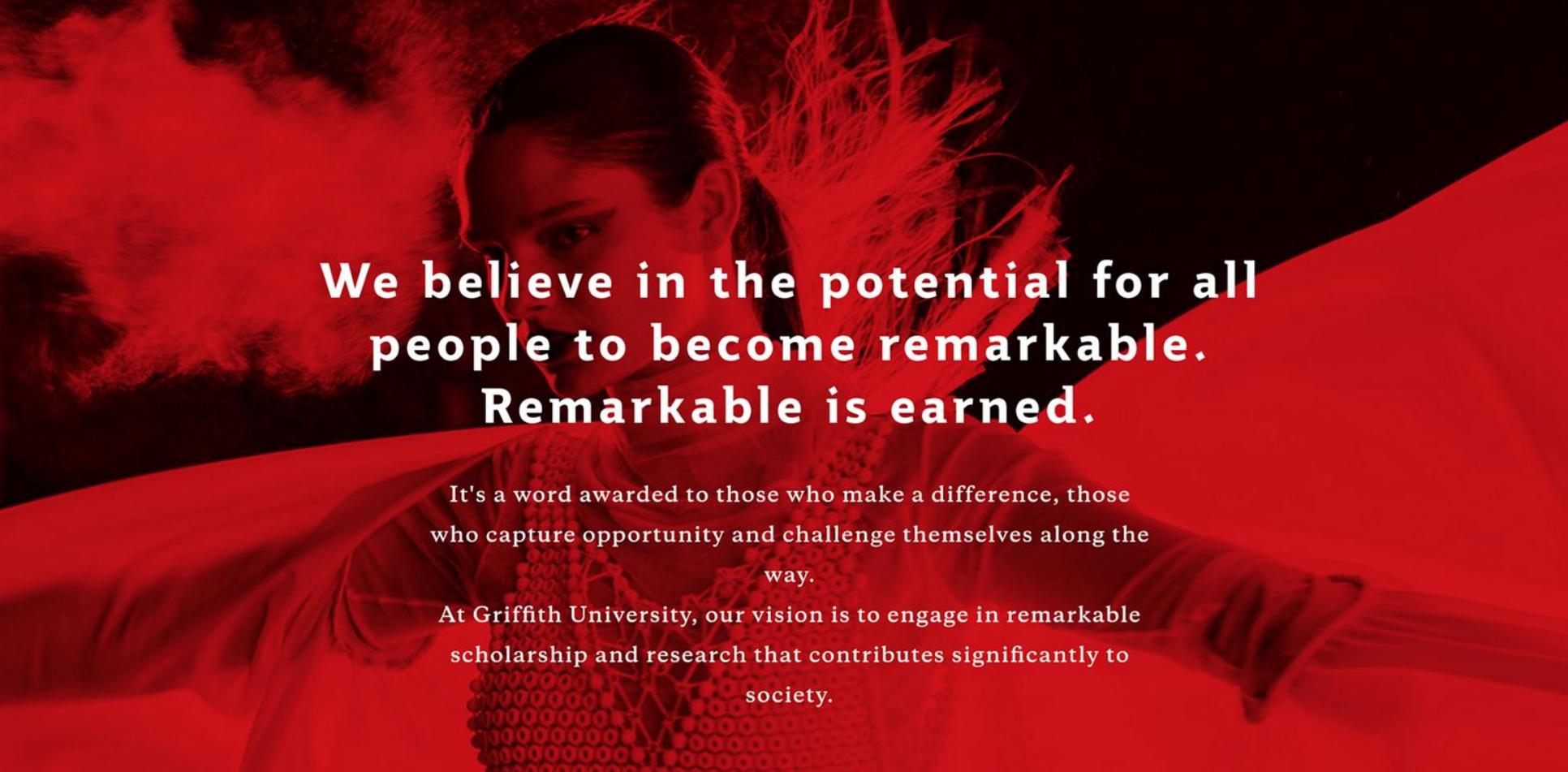
## Rachel Daniels

Application Patching Team Leader

Griffith University

[r.daniels@griffith.edu.au](mailto:r.daniels@griffith.edu.au)

Super awesome at PeopleSoft  
release management!



**We believe in the potential for all  
people to become remarkable.  
Remarkable is earned.**

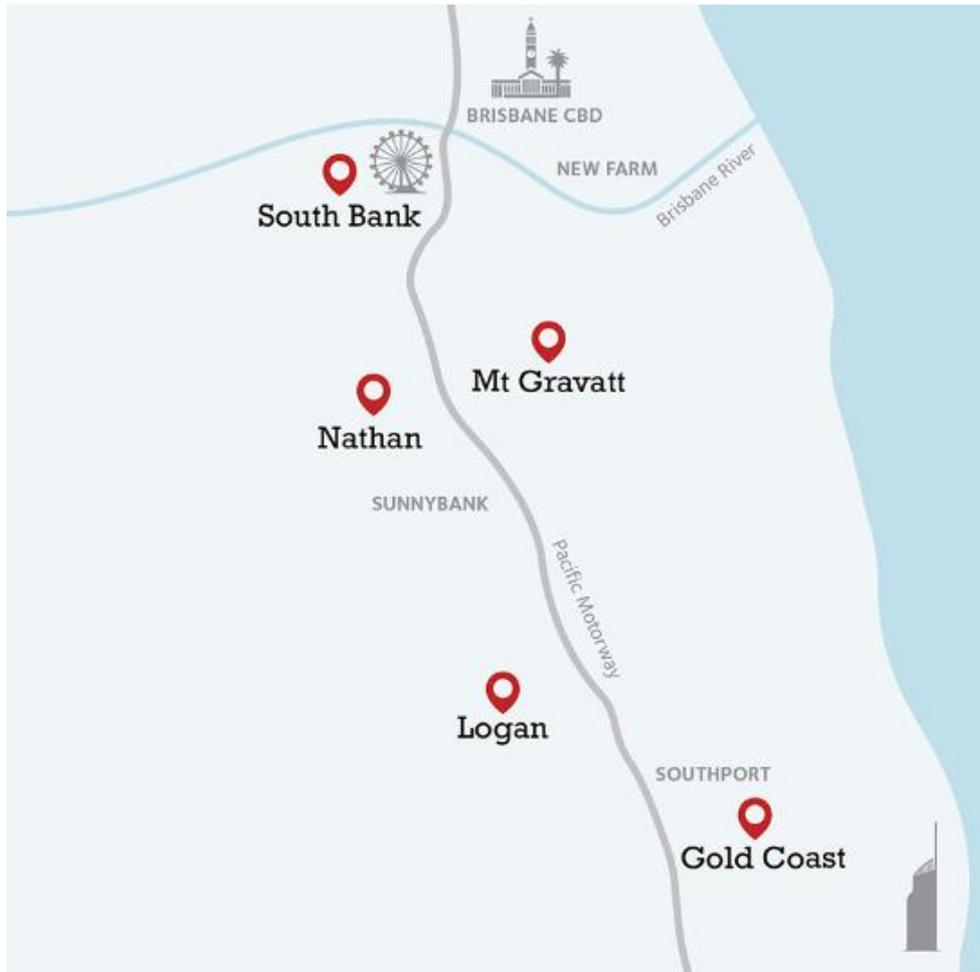
It's a word awarded to those who make a difference, those  
who capture opportunity and challenge themselves along the  
way.

At Griffith University, our vision is to engage in remarkable  
scholarship and research that contributes significantly to  
society.

**GRIFFITH UNIVERSITY**

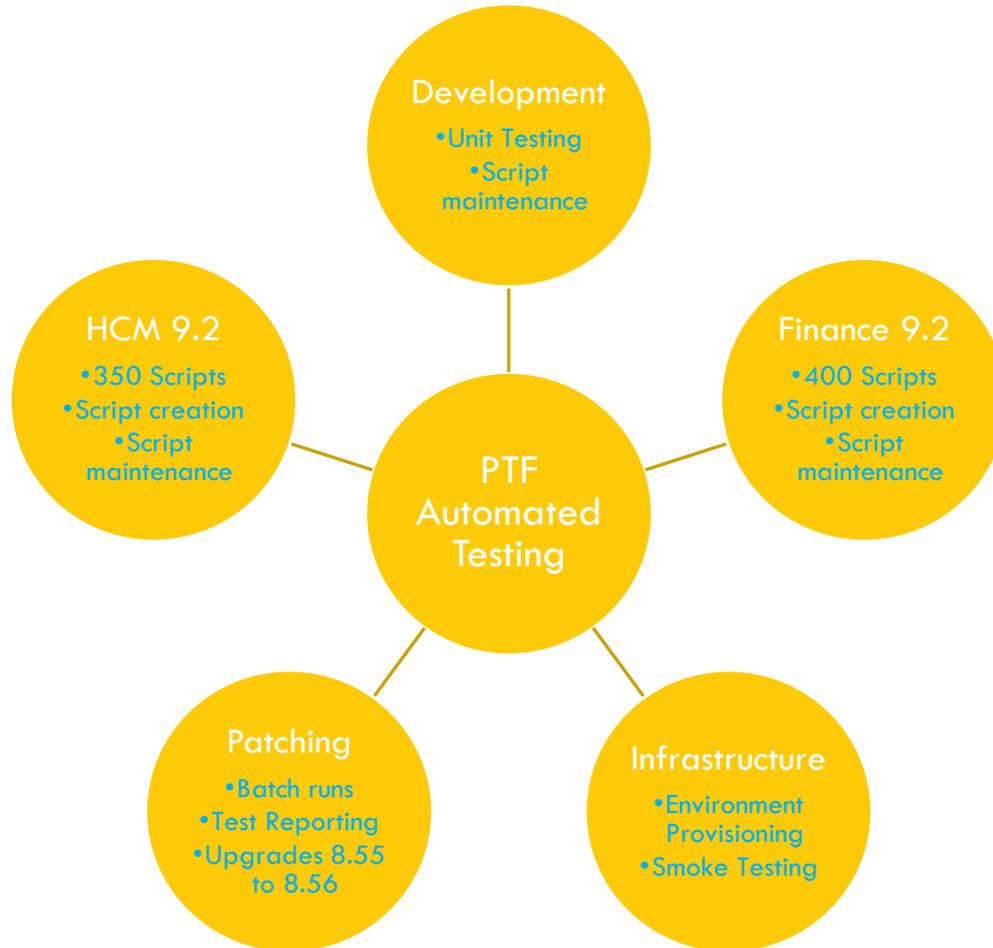
*Nathan  
Mount Gravatt  
Southbank  
Logan  
Gold Coast*

# ABOUT US



- 6 campuses (Including Digital Campus)
- 50,000+ students
- 8,500+ International Students
- Ranked in the top 2% of universities globally
- 200 degrees
- 200,000 alumni across 130 nationalities
- 20+ research centres and institutes

# PTF IMPLEMENTATION AT GRIFFITH





# PTF CLIENT SETUP

# PTF CLIENT SETUP

- Configure an environment for PTF
- Integration Broker Setup
- Define Configuration Options Page
- Configure the Browser Settings
- Setup User and Give Security
- Connecting to a PTF Environment

# Configuring an Environment for PTF

- PTF test assets (tests and test cases) are stored in tables in a PeopleSoft application database.

## Integration Broker Setup

The screenshot shows the 'Gateways' configuration page in the PeopleSoft Integration Broker. The breadcrumb trail is: PeopleTools > Integration Broker > Configuration > Gateways. The page title is 'Gateways'. There are two tabs: 'Local Gateways' (selected) and 'Inbound Gateways'. Under 'Local Gateways', there are checkboxes for 'Local Gateway' (checked) and 'Load Balancer'. The 'URL' field contains 'https://pssoft-dev-ig.griffith.edu.au:3501/PSIGW/PeopleSoftListeningContr'. There is a 'Ping Gateway' button. Below this is the 'Gateway Setup Properties' section with a 'Load Gateway Connectors' button. The main section is a table of 'Connectors' with columns for ID, Description, Class Name, and Properties. The table lists 12 connectors, including AS2, FILE, FTP, GETMAIL, HTTP, JMS, PSFT, RIDCT, SFTP, and SMTP. At the bottom, there is a 'Delete Gateway' button and 'Save' and 'Return to Search' buttons.

Gateways

Gateway ID LOCAL

Local Gateway  Load Balancer

Inbound Gateways

JMS Administration

URL

Gateway Setup Properties

*Connector ID	Description	*Connector Class Name	Properties
1 AS2TARGET		AS2TargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
2 EXAMPLETARGETCONNE		ExampleTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
3 FILEOUTPUT		SimpleFileTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
4 FTPTARGET		FTPTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
5 GETMAILTARGET		GetMailTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
6 HTTPTARGET		HttpTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
7 JMSTARGET		JMSTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
8 PSFT81TARGET		ApplicationMessagingTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
9 PSFTTARGET		PeopleSoftTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
10 RIDCTARGET		RIDCTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
11 SFTPTARGET		SFTPTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>
12 SMTPTARGET		SMTPTargetConnector	<input type="button" value="+"/> <input type="button" value="-"/>

# Define Configuration Options Page

> PeopleTools > Lifecycle Tools > Test Framework > Define Configuration Options [Hide](#)

## Configuration Options

### Define Configuration Options

#### Record Options

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Use Page.Prompt         | <input checked="" type="checkbox"/> Use Process.Run      | <input checked="" type="checkbox"/> Use Page.Expand         |
| <input checked="" type="checkbox"/> Use Message Recognition | <input checked="" type="checkbox"/> Use Scroll Variables | <input checked="" type="checkbox"/> Use Browser.Start_Login |

#### Execution Options

##### Process Server List

Find | View All First 1 of 1 Last

Server Name



#### External Command Processing

##### Command List

Find | View All First 1 of 1 Last

\*Command Name

\*Command Path

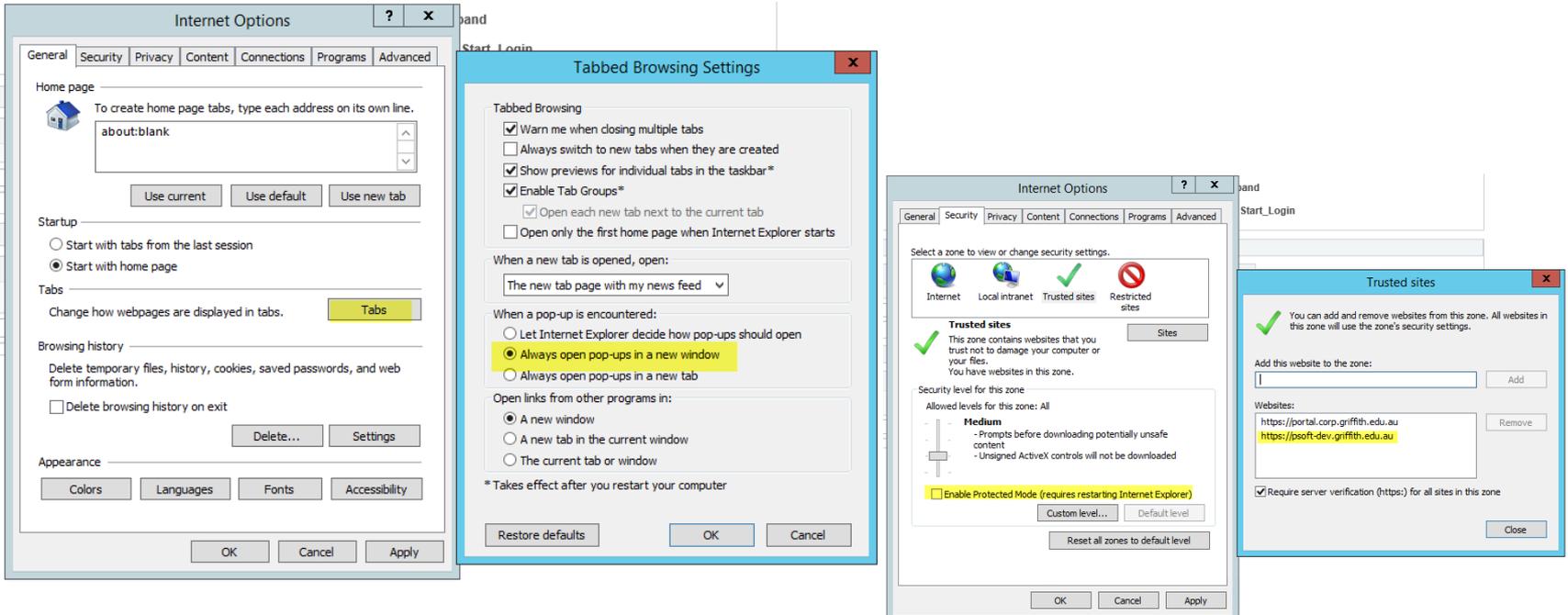
\*Command File Name

Timeout  
(Seconds)

3600



# Configure the Browser Settings



# Setup a Tester and Apply Security

> PeopleTools > Security > User Profiles > User Profiles [Hide](#)

**HR92PSIT -**

General | ID | **Roles** | Workflow | Audit | Links | User ID Queries

PTF Administrator	PTF Administrator	<input type="checkbox"/>	Route Control	View Definition	<a href="#">+</a> <a href="#">-</a>
PTF Editor	PTF Editor	<input type="checkbox"/>	Route Control	View Definition	<a href="#">+</a> <a href="#">-</a>

> PeopleTools > Security > User Profiles > User Profiles [Hide](#)

General | **Permission Lists** | Members | Dynamic Members | Workflow | R

Role Name: PTF Administrator  
Description: PTF Administrator

Permission Lists			Personalize	Find	View All	<a href="#">[?]</a>	<a href="#">[G]</a>	Fir
*Permission List	Description	View						
PTPT3400	PTF Administrator	View						

> PeopleTools > Security > User Profiles > User Profiles [Hide](#)

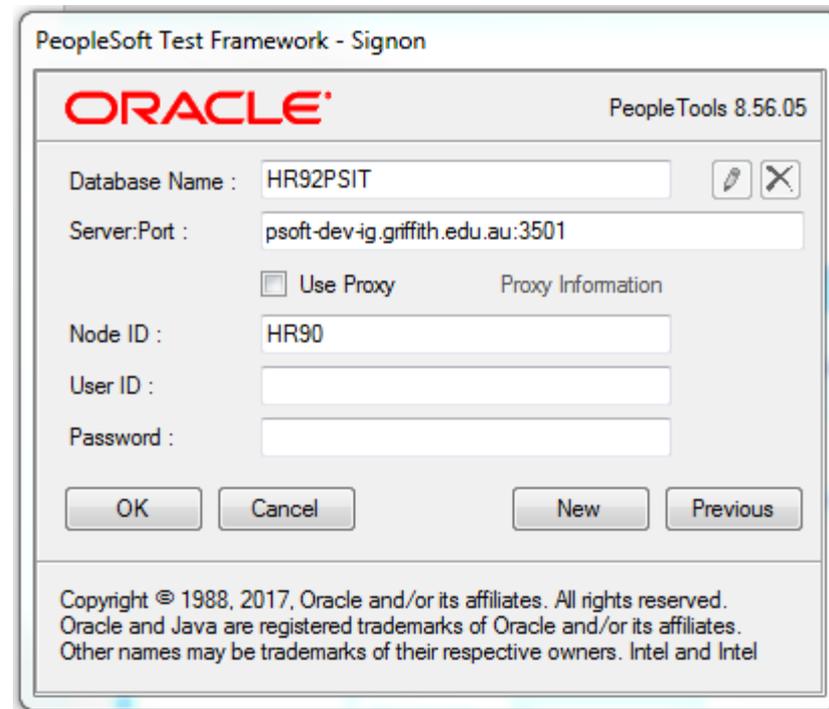
General | **Permission Lists** | Members | Dynamic Members | Workflow | Ro

Role Name: PTF Editor  
Description: PTF Editor

Permission Lists			Personalize	Find	View All	<a href="#">[?]</a>	<a href="#">[G]</a>	Firs
*Permission List	Description	View I						
PTPT3600	PTF Editor	View T						

# Connection to a PTF environment

- Run the PTF client.
- The PeopleSoft Test Framework - Sign on dialog box appears.
- Click the New button. Enter the below details,
  - Name - **HR92PSIT**
  - Server: Port - **psoft-dev-ig.griffith.edu.au:3501**
  - Use Proxy - **Unchecked**
  - Node ID – **HR90**
  - **User**
  - **Password**
- Click the OK Button



PeopleSoft Test Framework - Signon

ORACLE® PeopleTools 8.56.05

Database Name : HR92PSIT

Server:Port : psoft-dev-ig.griffith.edu.au:3501

Use Proxy Proxy Information

Node ID : HR90

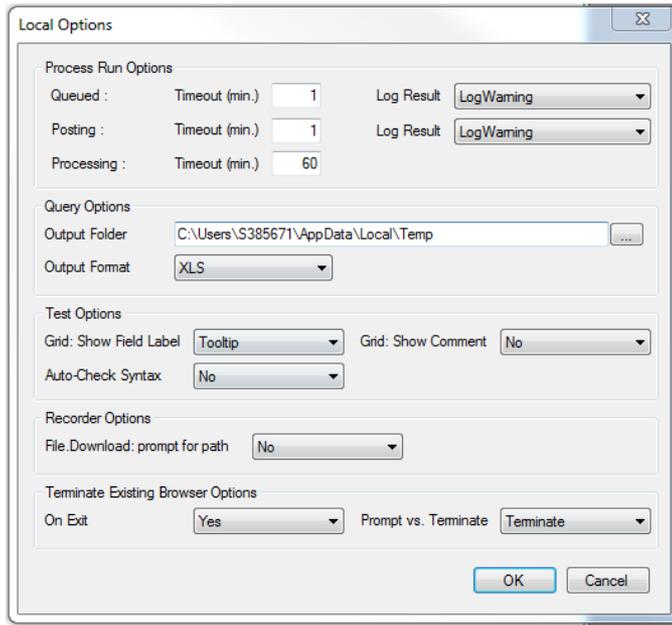
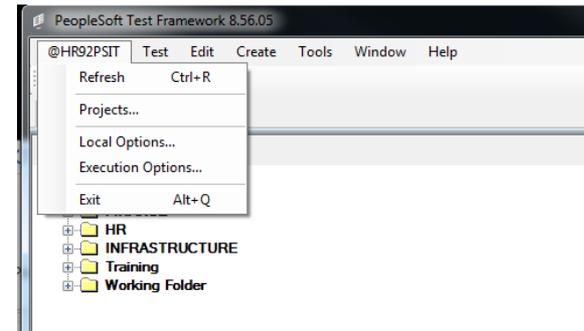
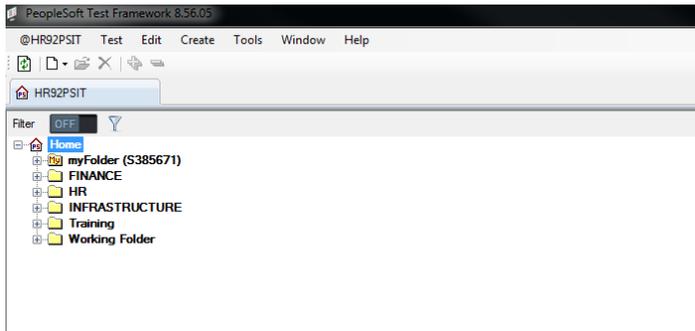
User ID :

Password :

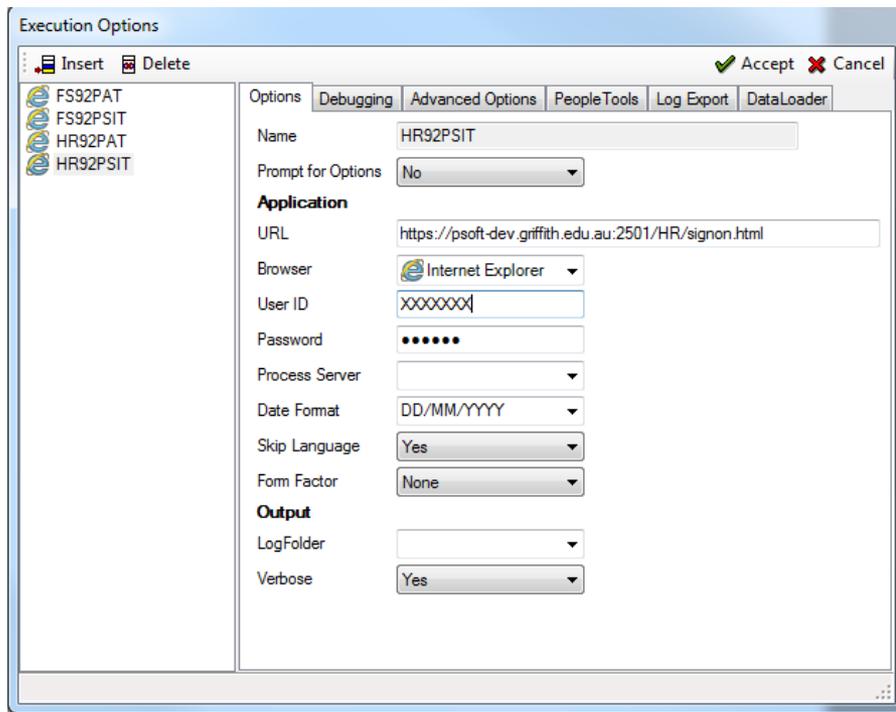
OK Cancel New Previous

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# Login to PTF



# Execution Options





# CREATING & EXECUTING A TEST

# Test Editor

## Normal Test, Library Test, Shell Test

Test Information

Name: CONFIG\_TST\_FINAL

Description:

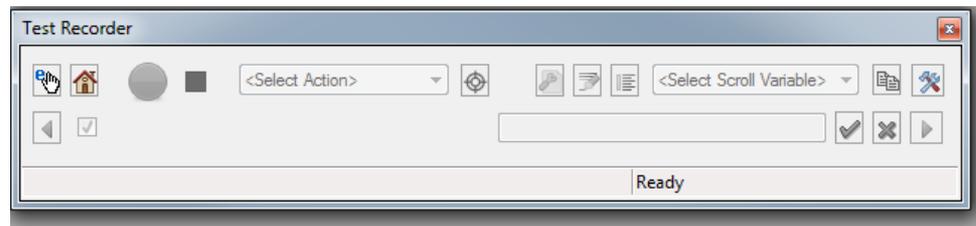
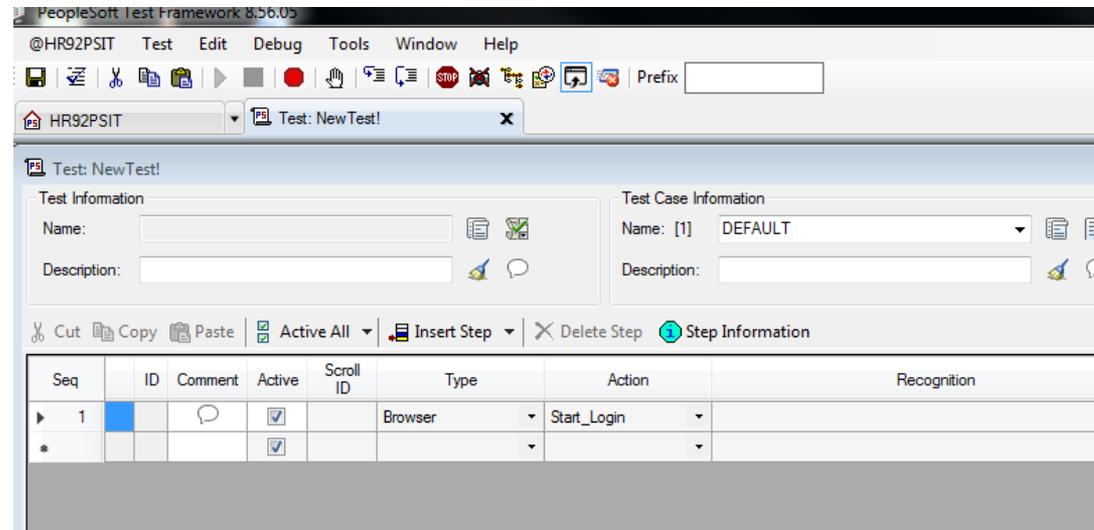
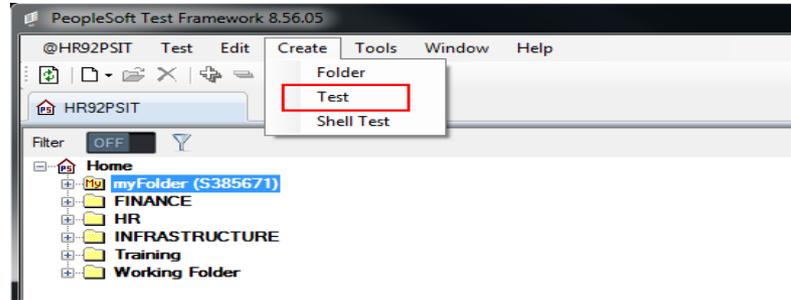
Test Case Information

Name: [1] DEFAULT

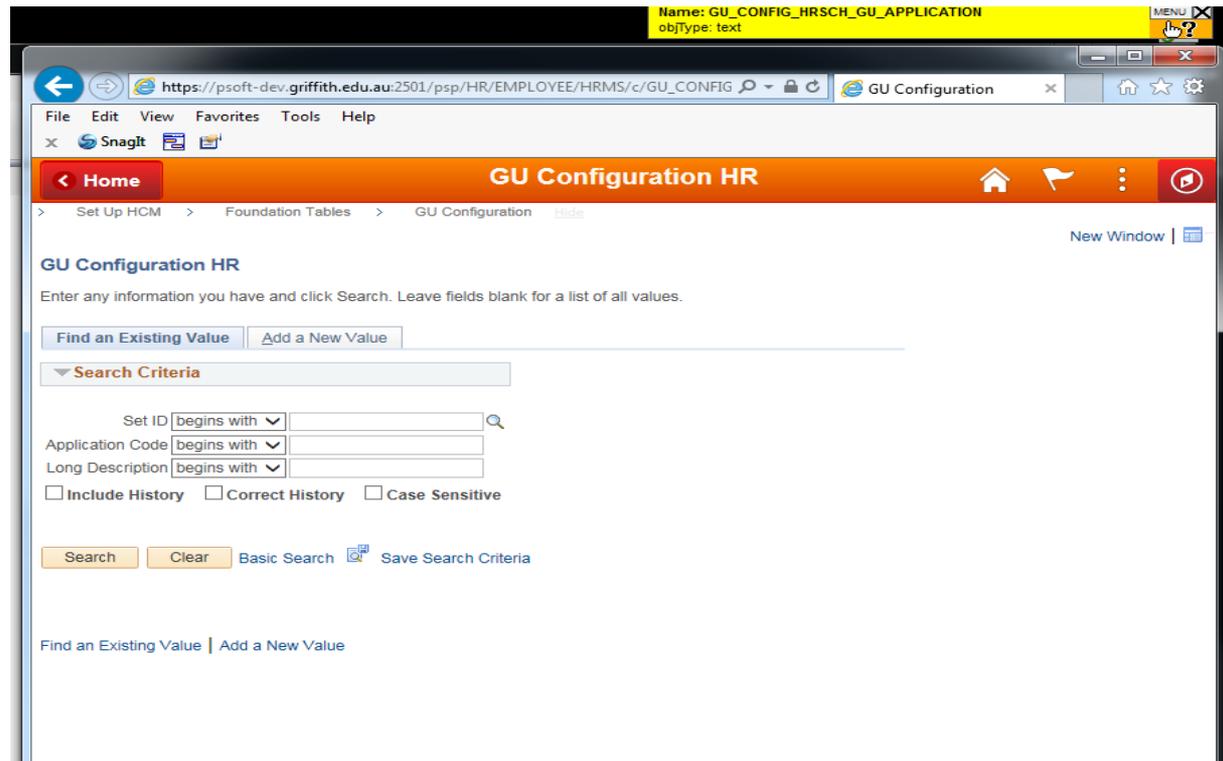
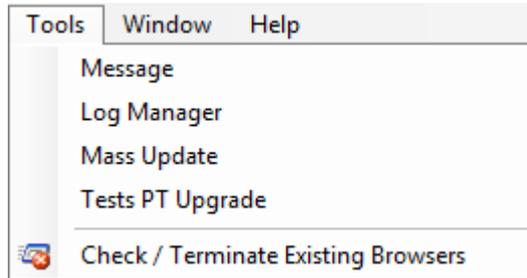
Description:

Seq	ID	Comment	Active	Scroll ID	Type	Action	Recognition	Parameters	Value
1	1		<input checked="" type="checkbox"/>		Browser	Start_Login			
2	2		<input checked="" type="checkbox"/>		Browser	FrameSet			
3	3		<input type="checkbox"/>		Text	Set_Value	name=userid		S...671
4	4		<input type="checkbox"/>		Pwd	Set_Value	name=passwd		1ENCBF04BF8A7C68DB0AB038670A5C483BEA901887EA
5	5		<input type="checkbox"/>		Button	Click	name=Submit		
6	6		<input checked="" type="checkbox"/>		Image	Click	name=PT_NAVBARSIMG		
7	7		<input type="checkbox"/>		Browser	FrameSet	psNavBariFrame		
8	8		<input type="checkbox"/>		Link	Click	id=PTNUI_NB_CNTREC_PTNUI_LINK\$17		
9	9		<input type="checkbox"/>		Link	Click	id=PTNUI_NB_CNTREC_PTNUI_LINK\$3		
10	10		<input type="checkbox"/>		Link	Click	id=PTNUI_NB_CNTREC_PTNUI_LINK\$6		
11	11		<input type="checkbox"/>		Browser	FrameSet	TargetContent		
12	12		<input checked="" type="checkbox"/>		Page	Prompt	GU_CONFIGURATION.GU_CONFIGURATIN_HR.GBL		update
13	14		<input checked="" type="checkbox"/>		Text	Set_Value	name=GU_CONFIG_HRSCH_GU_APPLICATION		GU_AWE
14	13		<input checked="" type="checkbox"/>		Page	PromptOk			

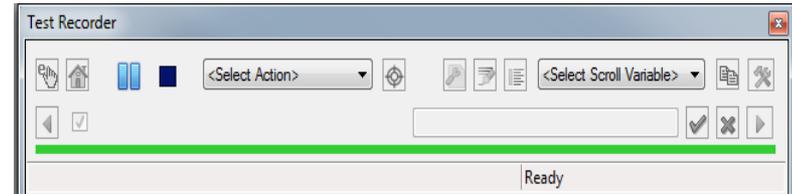
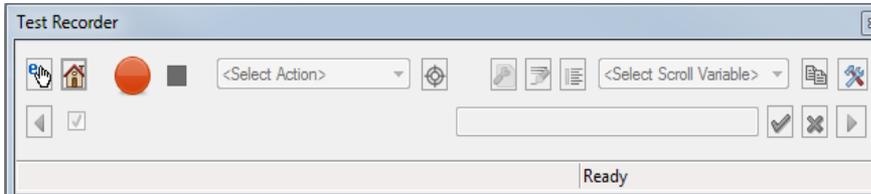
# Create a Test



# Message Bar



# Recording a Test



Test: GU\_CFG\_2

Test Information  
 Name: GU\_CFG\_2  
 Description:

Test Case Information  
 Name: [1] DEFAULT  
 Description:

Cut  Copy  Paste  Active All  Insert Step  Delete Step  Step Information

Seq	ID	Comment	Active	Scroll ID	Type	Action	Recognition	Parameters	Value
1	1		<input checked="" type="checkbox"/>		Browser	Start_Login			
2	2		<input checked="" type="checkbox"/>		Browser	FrameSet			
3	3		<input type="checkbox"/>		Text	Set_Value	name=userid		S385671
4	4		<input type="checkbox"/>		Pwd	Set_Value	name=pwd		1ENCBF04BF8A7C68DB0AB038670A5C483BEA901887EA
5	5		<input type="checkbox"/>		Button	Click	name=Submit		
6	6		<input checked="" type="checkbox"/>		Image	Click	name=PT_NAVBAR\$IMG		
7	7		<input type="checkbox"/>		Browser	FrameSet	psNavBarFrame		
8	8		<input type="checkbox"/>		Link	Click	id=PTNUI_NB_CNTREC_PTNUI_LINK\$17		
9	9		<input type="checkbox"/>		Link	Click	id=PTNUI_NB_CNTREC_PTNUI_LINK\$3		
10	10		<input type="checkbox"/>		Link	Click	id=PTNUI_NB_CNTREC_PTNUI_LINK\$6		
11	11		<input type="checkbox"/>		Browser	FrameSet	TargetContent		
12	12		<input checked="" type="checkbox"/>		Page	Prompt	GU_CONFIGURATION.GU_CONFIGURATIN_HR.GBL		correction
13	13		<input checked="" type="checkbox"/>		Text	Set_Value	name=GU_CONFIG_HRSCH_GU_APPLICATION		GU_TST_CFG
14	14		<input checked="" type="checkbox"/>		Page	PromptOk			
15	15		<input checked="" type="checkbox"/>		LongText	Set_Value	name=GU_CONFIG_DESCRLONG\$0		testing PTF new value
16	16		<input checked="" type="checkbox"/>		Page	Save			
*			<input checked="" type="checkbox"/>						

# Sample Test to Run an App Engine

Test: APP\_ENG\_TEST

**Test Information**

Name:

Description:

**Test Case Information**

Name: [1]

Description:

Cut Copy Paste Active All Insert Step Delete Step Step Information

Seq	ID	Comment	Active	Scroll ID	Type	Action	Recognition	Parameters
▶ 1	38		<input type="checkbox"/>		Browser	Start_Login		
2	10		<input checked="" type="checkbox"/>		Test	Exec	LB_LOGIN_TO_PEOPLESOFT	DEFAULT
3	6		<input checked="" type="checkbox"/>		Page	Prompt	PROCESS_SCHEDULER.PRCSMULTI.GBL	update
4	7		<input checked="" type="checkbox"/>		Text	Set_Value	name=PRCSRUNCNTL_RUN_CNTL_ID	test
5	8		<input checked="" type="checkbox"/>		Button	Click	name=#ICSearch	Search
6	9		<input checked="" type="checkbox"/>		Process	Run	prcname=AEMINITEST	prctype=Application Engine;wait=true;outtype=Web;outformat=T...
7	32		<input checked="" type="checkbox"/>		Test	Exec	LB_PROCESS_MONITOR	DEFAULT
*			<input checked="" type="checkbox"/>					

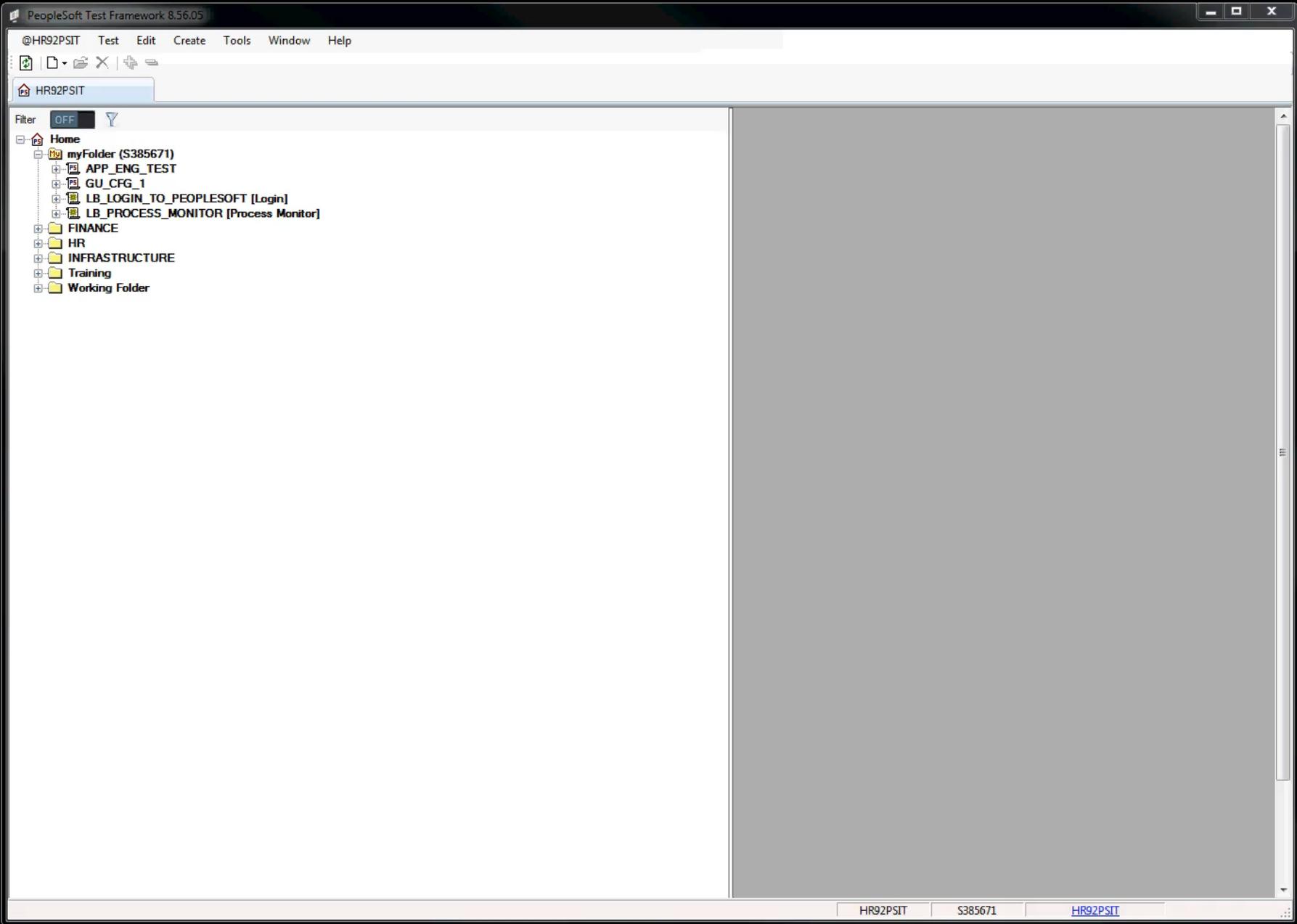
# Library Test

## LB\_LOGIN\_TO\_PEOPLESOFT

Seq	ID	Comment	Active	Scroll ID	Type	Action	Recognition	Parameters	Value
1	1		<input checked="" type="checkbox"/>		Browser	Start			
2	2		<input checked="" type="checkbox"/>		Browser	FrameSet			
3	3		<input checked="" type="checkbox"/>		Text	Set_Value		name=userid	S38567_11
4	4		<input checked="" type="checkbox"/>		Pwd	Set_Value		name=pwd	1ENCBF04BF8A7C68DB0AB038670A5C483BEA901887EA
5	5		<input checked="" type="checkbox"/>		Button	Click		name=Submit	
			<input checked="" type="checkbox"/>						

## LB\_PROCESS\_MONITOR

ID	Comment	Active	Scroll ID	Type	Action	Recognition	Parameters	
1		<input checked="" type="checkbox"/>		Link	Click	text=Process Monitor		
2		<input checked="" type="checkbox"/>		Text	Set_Value	name=PMN_DERIVED_PRCINSTANCE		%PID%
3		<input checked="" type="checkbox"/>		Button	Click	name=REFRESH_BTN		Refresh
4		<input checked="" type="checkbox"/>		Span	Get_Property	id=PMN_PRCSLIST_DISTSTATUS\$0	prop=text.ret=&DistStatus	
5		<input checked="" type="checkbox"/>		Loop	For	&Count = 0 to 5		
6		<input checked="" type="checkbox"/>		Conditional	If_Then	&DistStatus="Posted"		
7		<input checked="" type="checkbox"/>		Log	Pass	&DistStatus		
8		<input checked="" type="checkbox"/>		Loop	Exit_Loop			
9		<input checked="" type="checkbox"/>		Conditional	Else			
10		<input checked="" type="checkbox"/>		Button	Click	name=REFRESH_BTN		
11		<input checked="" type="checkbox"/>		Wait	For_Seconds	5		
12		<input checked="" type="checkbox"/>		Log	Fail	&DistStatus		
13		<input checked="" type="checkbox"/>		Conditional	End_if			
14		<input checked="" type="checkbox"/>		Loop	Next			
		<input checked="" type="checkbox"/>						



Test: APP\_ENG\_TEST

Test Information

Name: APP\_ENG\_TEST

Description:

Test Case Information

Name: [1] DEFAULT

Description:

Cut Copy Paste Active All Insert Step Delete Step Step Information

Seq	ID	Comment	Active	Scroll ID	Type	Action	Recognition	Parameters	Value
1	38		<input type="checkbox"/>		Browser	Start_Login			
2	10		<input checked="" type="checkbox"/>		Test	Exec	LB_LOGIN_TO_PEOPLESOFT		DEFAULT
3	6		<input checked="" type="checkbox"/>		Page	Prompt	PROCESS_SCHEDULER.PRCSMULTI.GBL		update
4	7		<input checked="" type="checkbox"/>		Text	Set_Value	name=PRCSRUNCNTL_RUN_CNTL_ID		test
5	8		<input checked="" type="checkbox"/>		Button	Click	name=#ICSearch		Search
6	9		<input checked="" type="checkbox"/>		Process	Run	prcname=AEMINITEST	prctype=Application Engine.wait=true.outtype=Web.outformat=T...	
7	32		<input checked="" type="checkbox"/>		Test	Exec	LB_PROCESS_MONITOR		DEFAULT



# TEST MAINTENANCE REPORT

We use the Test Maintenance Report to help determine what existing test scripts will be affected by any new functionality introduced in a PUM.

The Test Maintenance Report correlates the PeopleTools compare report data with the PTF test metadata to help identify certain changes to menus, components, pages, records or fields.

The report is run from the Create Test Maintenance Report Wizard via:

PeopleTools > Lifecycle Tools > Test Framework > Create Test Maintenance Report

### Create Test Maintenance Report

Step 1 of 4

Create a Test Maintenance Report based on compare data and test metadata.

1 
  2 
  3 
  4

#### Manual Tasks

Using App Designer, follow these tasks to create a compare report for the test maintenance process:

- | Task Completed                      | Description   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Task 1: Import only the project definition for the change project.  |
| <input checked="" type="checkbox"/> | Task 2: Rename the change project imported in Task 1 to create the snapshot project.  |
| <input checked="" type="checkbox"/> | Task 3: Create a snapshot of the original metadata definitions by exporting the snapshot project created in Task 2 to file. |
| <input checked="" type="checkbox"/> | Task 4: Import the change project (definition and objects).   |
| <input checked="" type="checkbox"/> | Task 5: Compare the snapshot project (from file) to the database, saving the compare output to tables.                      |

### Create Test Maintenance Report

### Create Test Maintenance Report

Step 2 of 4

Create a Test Maintenance Report based on compare data and test metadata.

1 
  2 
  3 
  4

#### Analyze Compare Data

Analyze existing compare data and generate data on impact to PeopleSoft Test Framework metadata.

Select a Compare Report to Analyze				Find   View All   <sup>2</sup>	First	1-30 of 48	Last
Project Name	Compare Date/Time	Compare Type	Last Analysis				
GUHRPFM11_SR254172_1	14/05/2018 12:09:23PM	<input type="button" value="From File"/> Analyze					
GUHRPFM11_SR254172_1	10/05/2018 2:06:32PM	<input type="button" value="Analyze"/>	10/05/18 2:07:37PM				
GUHRPFM11_SR254172_1	10/05/2018 10:39:37AM	<input type="button" value="Analyze"/>	10/05/18 10:47:06AM				
GUHRPFM11_SR254172_1	10/05/2018 10:35:28AM	<input type="button" value="Analyze"/>					
HX_PERT_TOOL	17/04/2018 11:45:29PM	<input type="button" value="Analyze"/>					
GUHRRCT40_SR297123	16/04/2018 4:06:37PM	<input type="button" value="Analyze"/>	16/04/18 4:12:12PM				
AU25343141R	01/12/2017 8:58:37PM	<input type="button" value="Analyze"/>					
ADS25485437	01/12/2017 8:58:10PM	<input type="button" value="Analyze"/>					
PRJ_HR_ALL_PUM22PTM	01/12/2017 8:06:05PM	<input type="button" value="Analyze"/>					
AU25390514R	29/06/2017 3:08:04PM	<input type="button" value="Analyze"/>					

### Create Test Maintenance Report

### Create Test Maintenance Report

Step 3 of 4

Create a Test Maintenance Report based on compare data and test metadata.

1 
  2 
  3 
  4

#### Select an Analyzed Project

Select an analyzed project to report its impact on the PeopleSoft Test Framework metadata.

Please select a project.					Find   View All   <sup>2</sup>	First	1-5 of 5	Last
Project Name	Compare Date/Time	Analysis Date/Time	Compare Type	Delete				
<input checked="" type="radio"/> GUHRPFM11_SR254172_1	14/05/2018 12:09:23PM	14/05/2018 12:40:55PM	From File	<input type="checkbox"/>				
<input type="radio"/> GUHRPFM11_SR254172_1	10/05/2018 2:06:32PM	10/05/2018 2:07:37PM	From File	<input type="checkbox"/>				
<input type="radio"/> GUHRPFM11_SR254172_1	10/05/2018 10:39:37AM	10/05/2018 10:47:06AM	From File	<input type="checkbox"/>				
<input type="radio"/> GUHRRCT40_SR297123	16/04/2018 4:06:37PM	16/04/2018 4:12:12PM	From File	<input type="checkbox"/>				
<input type="radio"/> GUHRRCT40_SR297123	16/04/2018 4:06:37PM	16/04/2018 4:07:41PM	From File	<input type="checkbox"/>				

### Create Test Maintenance Report

Step 4 of 4

Create a Test Maintenance Report based on compare data and test metadata.

1 
  2 
  3 
  4

#### Generate Report

Generate a report of the impact to existing tests for the selected compare data.

Folder

Search For Tests By

### Select Test(s) for Test Maintenance Report

Find | View 100 | <sup>2</sup> | <sup>3</sup> | First 1-15 of 812 Last

Test Parent Folder	Test Name	Description
<input type="checkbox"/>	\\Users\S2640215\Training	AB_LIBRARY_TEST
<input type="checkbox"/>	\\Users\S2640215\Training	AB_LIBRARY_TEST_QUERY
<input type="checkbox"/>	\\Users\S2640215\Training	AB_SHELL_TEST_01
<input type="checkbox"/>	\\Users\S2640215\Training	AB_TEST_5APR_01
<input type="checkbox"/>	\\Users\S2640215\Training	AB_TEST_5APR_QUERY
<input type="checkbox"/>	\\Users\S2640215\Training	AB_TEST_APR_01
<input type="checkbox"/>	\\Users\S2640215\Training	AB_TEST_APR_02 TEST 02
<input type="checkbox"/>	\\Users\S2640215\Training	AB_TEST_DATE
<input type="checkbox"/>	\\Users\S2640215\Training	AB_TEST_FOR_LOOP
<input type="checkbox"/>	\\Users\S2640215\Training	AB_TEST_LOOP
<input type="checkbox"/>	\\Users\S2640215\Training	AB_TEST_STRING
<input type="checkbox"/>	\\Users\S2640215\Training	AB_TEST_WHILE_LOOP
<input type="checkbox"/>	\\Users\S2144335	ADAM
<input type="checkbox"/>	\\Working Folder\Nilesh\RCT	BACKUP_PTF_RCT_TC_21 Advertised - Prepare Job Offer
<input type="checkbox"/>	\\Users\S2186888\Training Folder MC	BASIC_LOGIN_TEST

#### Report Format

- PIA  
 BI Publisher

# TEST UPGRADES BETWEEN TOOLS VERSIONS

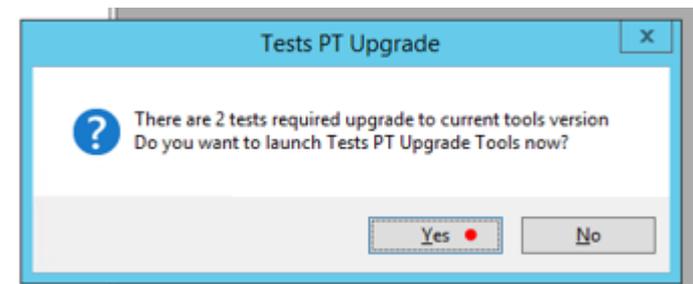
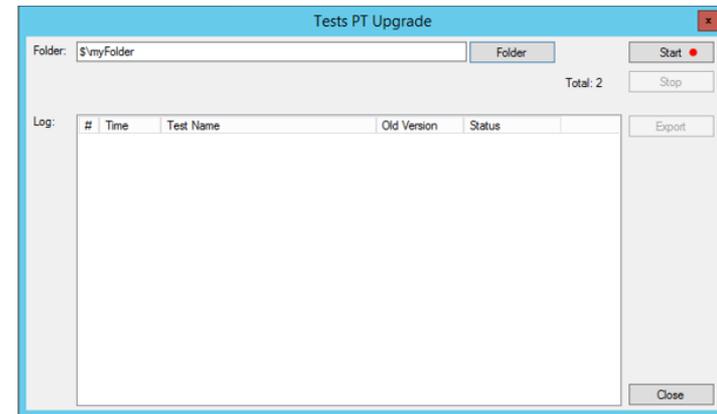
The Tests PT Upgrade tool enables you to update tests from one PeopleTools version to another

When you launch the PTF client, it checks for tests from prior versions, and if they exist, a prompt window appears that enables you to run the upgrade tool.

You can run the upgrade tool when prompted, or defer it to a later time. You can upgrade all tests, or just those within a specific folder of the PTF Explorer tree.

The Tests PT Upgrade tool makes any necessary syntax changes in the test steps, and then saves the test files. If you defer the upgrade, and you open a test from a prior release, it is automatically updated to the new release at that time.

You can copy any test from file and the version difference will be detected and a message box will appear to upgrade.



# Advantages

- **No cost to install PTF (free)**
- **Cost effective method to regression test your system**
- **Easy to use**
- **Easy to migrate**
- **Easy to find errors using Logs Messages**
- **Can create end to end test utilizing libraries**
- **Easy to upgrade (PUM will show the impacted test scripts)**
- **Reporting will identify test scripts that are impacted**

## Disadvantages

- **Currently only Internet explorer can be use to record test (playback can be on any browser)**
- **Installation on Windows system only**
- **Some times it is slow**
- **Creating advanced test script need some experience**

## What we learnt from implementing PTF

- **Run the “ptf\_ipvb\_fix” after installing client (run slow)**
- **Avoid creating long test scripts**
- **Create small set of library tests for simple function (reusable)**
- **Avoid hard cord values use parameters to assign values**
- **Create shell test to run end to end test (run several tests one after another)**
- **Need naming convention for test scripts**



# SUMMARY

- **PTF is a power full tool for PeopleSoft test automation.**
- **It is cost effective easy to use.**
- **Advance test script creation needs more technical than functional experience.**
- **Once you create modular test scripts they are easier to change.**
- **Test script are based on PeopleSoft objects that you can migrate and upgrade.**

# CONCLUDING THOUGHTS

ANY QUESTIONS?

# PRESENTERS

## Amal Dissanayake

Development Team Leader

Griffith University

[a.dissanayake@griffith.edu.au](mailto:a.dissanayake@griffith.edu.au)

Super awesome at PeopleSoft  
development!

## Rachel Daniels

Application Patching Team Leader

Griffith University

[r.daniels@griffith.edu.au](mailto:r.daniels@griffith.edu.au)

Super awesome at PeopleSoft  
release management!

**All Alliance presentations will be available  
for download from the Conference Site**



THANK YOU!



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