



# Accelerate Implementation/Upgrade Release Timelines by Automating Testing with OATS & Flow Builder

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# Agenda

- Introductions
- About Fujitsu
- E-Business Suite (EBS) Testing Challenges
- Expectations from Testing
- Oracle's Answers to these concerns
  - Oracle Application Testing Suite (OATS) Overview
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- Q & A

# Fujitsu & Oracle – 30+ years of partnership

- Oracle Platinum and Cloud Premier Partner
- 1 of 4 Global Oracle MSP partners (out of 25K partners)
- Cloud Collaboration: Oracle Cloud running on Fujitsu's datacenter in Japan
- 50+ organizational specializations
- 6500+ individual certifications
- Key Oracle Strengths and Offerings:
  - Oracle Cloud Infrastructure (OCI)
  - Oracle EBS and Cloud Application Transformations
  - Application and Database Managed Services

ORACLE

Platinum Partner  
Cloud Premier  
North America

Oracle Cloud Managed Service Provider

IT Service

 #1 in Japan  #7 globally

Employees

 140 thousand

Data Centers

 100+

Service Desks

 74

FORTUNE named Fujitsu as "one of the World's Most Admired Companies" for 5th consecutive year.



Fujitsu chosen for the Dow Jones Sustainability World Index for 19th time in 2018.



# EBS Testing Challenges

- ❑ Maintain uptime and quality while constantly updating the system
- ❑ Complex Business Processes spanning multiple systems
- ❑ Testing is moving target
- ❑ Compressed release cycles increases chances for defects.
- ❑ Resource constraints for regression testing
- ❑ Inability to perform Stress Testing

# Expectations from Testing

- ❑ Testing should improve quality and reduce release cycle
- ❑ Comprehensive testing covering multiple application technologies (Oracle EBS, Reporting - OBI, Web Services, custom applications etc.)
- ❑ Simulate expected production-level loads and assess system performance, response times & bottlenecks
- ❑ Test Assets Management, defect tracking & reporting
- ❑ Manage test data and provide data on demand
- ❑ Enhanced QA productivity with increased test scenario coverage and repeatable regression testing

# Oracle's Answers to these concerns

## Oracle Application Testing Suite

- ❑ Robust, integrated solution for automated functional, load testing and test process management
- ❑ Comes with pre-built testing scripts for Oracle Applications
- ❑ Accelerate script development with modularization and code reusability using Function Libraries
- ❑ Works with different User Interface and Technologies of Oracle Applications – Forms, OAF, ADF, Apex, Webpages, HTML, Web Services

# Oracle Application Testing Suite

It comprises following products

## Oracle Functional Testing Suite

- ❑ Functional and Regression Testing
- ❑ Web and Oracle Application Testing Accelerators
- ❑ Oracle Flow Builder
- ❑ Oracle OpenScript

## Oracle Load Testing

- ❑ Load and Performance Testing
- ❑ Application, Webserver, Middleware & Database
- ❑ Integration with EM Diagnostics
- ❑ Oracle OpenScript

## Oracle Test Manager

- ❑ Test Planning, Requirements and Test Cases
- ❑ Defect Tracking
- ❑ Reporting

# Oracle OpenScript

- ❑ Oracle Application Testing Suite has one unified scripting platform called OpenScript used to record, customize, and play back functional and regression test scripts for Web, SOA and packaged applications
- ❑ Includes testing accelerators for Oracle Packaged Applications (including E-Business Suite, Siebel, JDE, Fusion/ADF) and Web Technologies (Web Services, Adobe Flex)
- ❑ OpenScript is also a load testing script generator
- ❑ Is a GUI-based visual scripting interface
- ❑ Flexible scripting extensibility using Java
- ❑ Has integrated Eclipse IDE for script development and debugging
- ❑ Download Page of Oracle Application Testing Suite on OTN  
<http://www.oracle.com/technetwork/oem/downloads/index-084446.html>

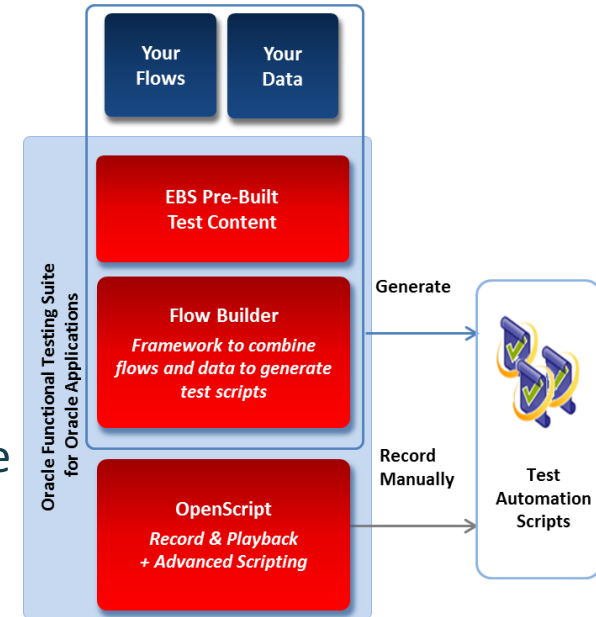


# Demo - OpenScript

- ❑ Basic Steps to Create a Test Script
- ❑ Playback a script
- ❑ Parameterization & attaching data banks
- ❑ Validation
- ❑ Extensibility

# Oracle Flow Builder and Pre-built Test Content

- ❑ Generate Test Scripts using Keywords
- ❑ User actions defined using pre-defined keywords such as SetWindow, Click, SetText, Select, etc.
- ❑ Test flows transformed into executable test automation scripts at run time
- ❑ Accelerator packs available for 12.1.3 and 12.2, 12.2.4, 12.2.5, 12.2.6, 12.2.7, 12.2.8
- ❑ Non-technical testers to compose test flows by defining series of user actions that together define an application user flow
- ❑ Create and Maintain Your Test Scripts
  - Add Your Flows & Data
  - Extend with More Components
  - Support Customizations



Starter Pack

3600+ components and 230+ flows across EBS

Advanced Pack

10 product families / products across EBS


# Oracle Test Manager

- ❑ Common Repository for Functional Test Scripts
- ❑ Web based Interface
- ❑ Manual and Automated Tests
- ❑ Pre-packaged Reports and Dashboard

25	User Acceptance Testing (UAT)
+ 158	A-Master Data
+ 240	Payables
+ 436	Invoicing Cash Application
+ 489	Purchasing
+ 476	Order Management
+ 490	General Ledger
+ 499	Misc and Remaining
+ 495	Rev Rec
+ 497	Period Close Programs and Reports

# Oracle Test Manager – Results Summary

## Test Set Execution summary

# of records per page:  

Showing 1-6 of 6










NAME	RUN NAME	VERSION	NOT RUN	FAILED	WARNING	PASSED	IN PROGRESS	SKIPPED	IN QUEUE	TOTAL
Accounts Payable 1	Run 2/20/18 1:26		<a href="#">7 (87.5%)</a>	<a href="#">1 (12.5%)</a>	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	8
General Ledger 1	Run 2/16/18 1:09		0 (0%)	0 (0%)	0 (0%)	<a href="#">1 (100%)</a>	0 (0%)	0 (0%)	0 (0%)	1
Consolidated 1	Run 2/16/18 2:54		0 (0%)	0 (0%)	0 (0%)	<a href="#">14 (100%)</a>	0 (0%)	0 (0%)	0 (0%)	14
	Run 2/19/18 11:27		0 (0%)	<a href="#">5 (15%)</a>	0 (0%)	<a href="#">17 (85%)</a>	0 (0%)	0 (0%)	0 (0%)	20
Consolidated 2	Run 2/18/18 6:48		<a href="#">2 (33.33%)</a>	<a href="#">2 (33.33%)</a>	0 (0%)	<a href="#">2 (33.33%)</a>	0 (0%)	0 (0%)	0 (0%)	6

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### Test Set run details: Run 2/19/18 11:27 [Consolidated 1]

**Status of Test Set Run:** Run 2/19/18 11:27      **Created by:** Anil Minocha    **on:** Mon, 02/19/18 11:27 AM

-  **Passed:** 17 (85%)
-  **Warning:** 0 (0%)
-  **Failed:** 3 (15%)
-  **In Progress:** 0 (0%)
-  **Skipped:** 0 (0%)
-  **In Queue:** 0 (0%)
-  **Not Run:** 0 (0%)

# Benefits of Automated Testing

- Decrease test cycle times up to 40%, while maintaining complete testing scope and quality
- Reduce Testing Cost, for upgrade or major releases, by up to 30% and improve speed to market
- Reusable, Repeatable Test cases to perform comprehensive testing each time for any Upgrade, Enhancements, Patching, or configuration changes
- Perform testing for Oracle EBS (standard, custom), Web Applications, Web Services, BI Reporting
- Self driven testing for all scenarios - Smoke Test, Unit Testing, Regression Testing
- Detailed verifiable test execution results for reporting & compliance
- Allows SME to spend more time on productive improvements in the system

# How to Implement OATS

- ❑ Begin with a Test Strategy & Plan
- ❑ Document your Business Processes
- ❑ Plan for Infrastructure and deployment
- ❑ Develop the Test scripts, Test Plan and integrate with Release process
- ❑ Test Assets management
- ❑ Engage a specialist\*

# Summary

- ❑ Use OATS to accelerate test cycle while maintaining complete testing scope and quality
- ❑ Reusable, Repeatable Test cases to perform comprehensive testing each time for any Upgrade, Enhancements, Patching, or configuration changes.
- ❑ Reduce Project Cost & improve productivity
- ❑ Agile IT - Allows SME to implement new functionalities faster