



OTM Testing Automation

Prepared for OTM SIG

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OTM Implementation and Testing

💡 Consider a Standard OTM feature:

Project Phases	Hours	Percentage
Functional and Technical Design	4	13%
Development	8	25%
Unit Test	2	6%
System Test	5	16%
Integration test	2	6%
User Acceptance Test	8	25%
Regression	3	9%
Totals	32	

63%

- 💡 Testing varies between 60% and 70% of total implementation
- 💡 Costs more as need more people and time
- 💡 A typical OTM implementation may have 50 features which equals test time of 125 Mandays
- 💡 approximately according to the above

Why Testing Automation?

- 💧 Automation testing speeds up the test process and cost effective in the due course.
- 💧 The test coverage is vastly increased.
- 💧 Improves the accuracy of the tests.
- 💧 Scripts are reusable and significant in Regression cycle.
- 💧 Automated testing may require a relatively higher initial investment but will yield a higher ROI
- 💧 As stated earlier, where testing consumes a large percentage of a testing estimates, such processes are good candidates for automation

OTM Implementation and Automation Testing Advantages

💧 Advantages of Automation Testing:

Project Phases	Original Hours	Automated Test Hours
Unit Test	2	2
System Test	5	2
Integration test	2	1
User Acceptance Test	8	3
Regression	3	1
Totals	20	9

💧 Testing hours reduces significantly

💧 Tests can be run simultaneously which helps in reduction of time and Manual hours.

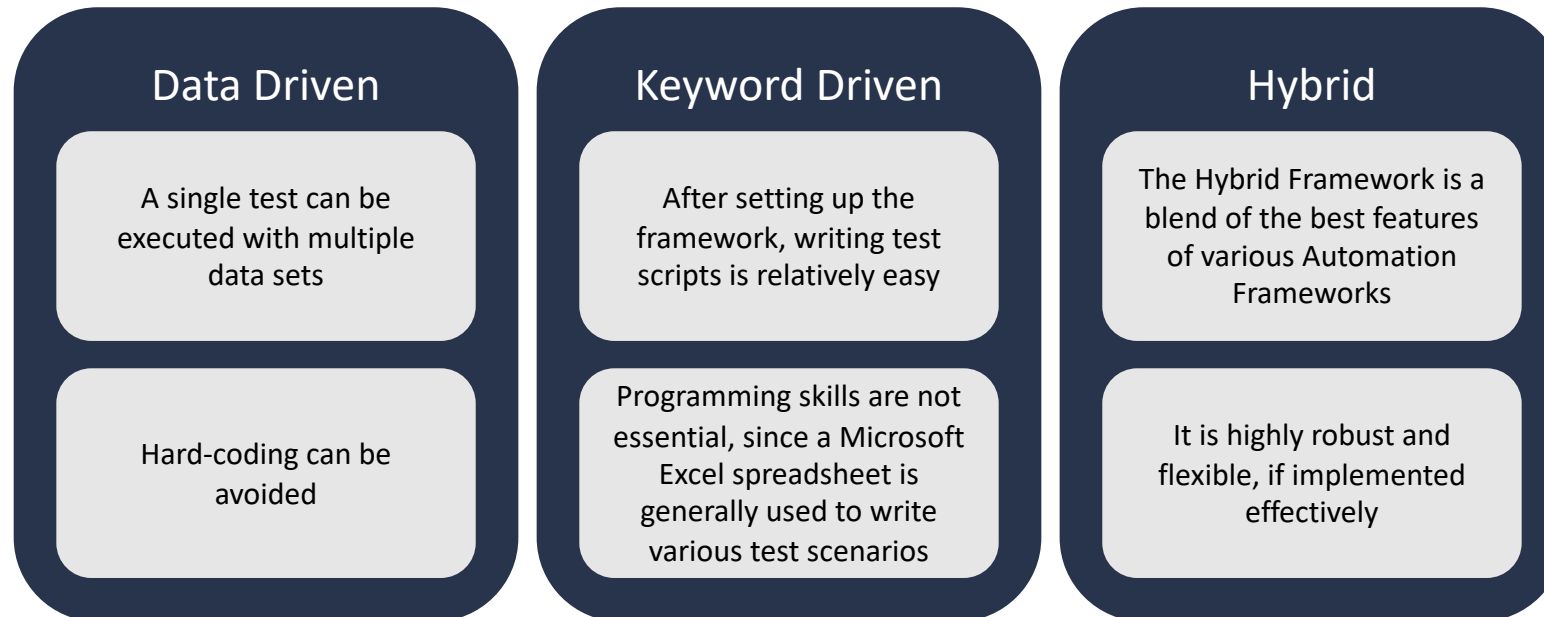
UFT – Testing Automation Product Suite

- 💧 UFT or Unified Functional Testing is a product offered by HP
- 💧 An end-to-end software test automation solution that includes a built-in Object Repository (to capture and organize test objects), and a built-in data table interface (for test data management)
- 💧 Supports UI + Backend Services automation
- 💧 UFT procedures use VB script and hence scripting is relatively simpler when compared to Java
- 💧 Simplifies test creation and easier maintenance with keyword and drag-and drop design methods
- 💧 Power packed with various features and Add-ons



Automated Testing Frameworks

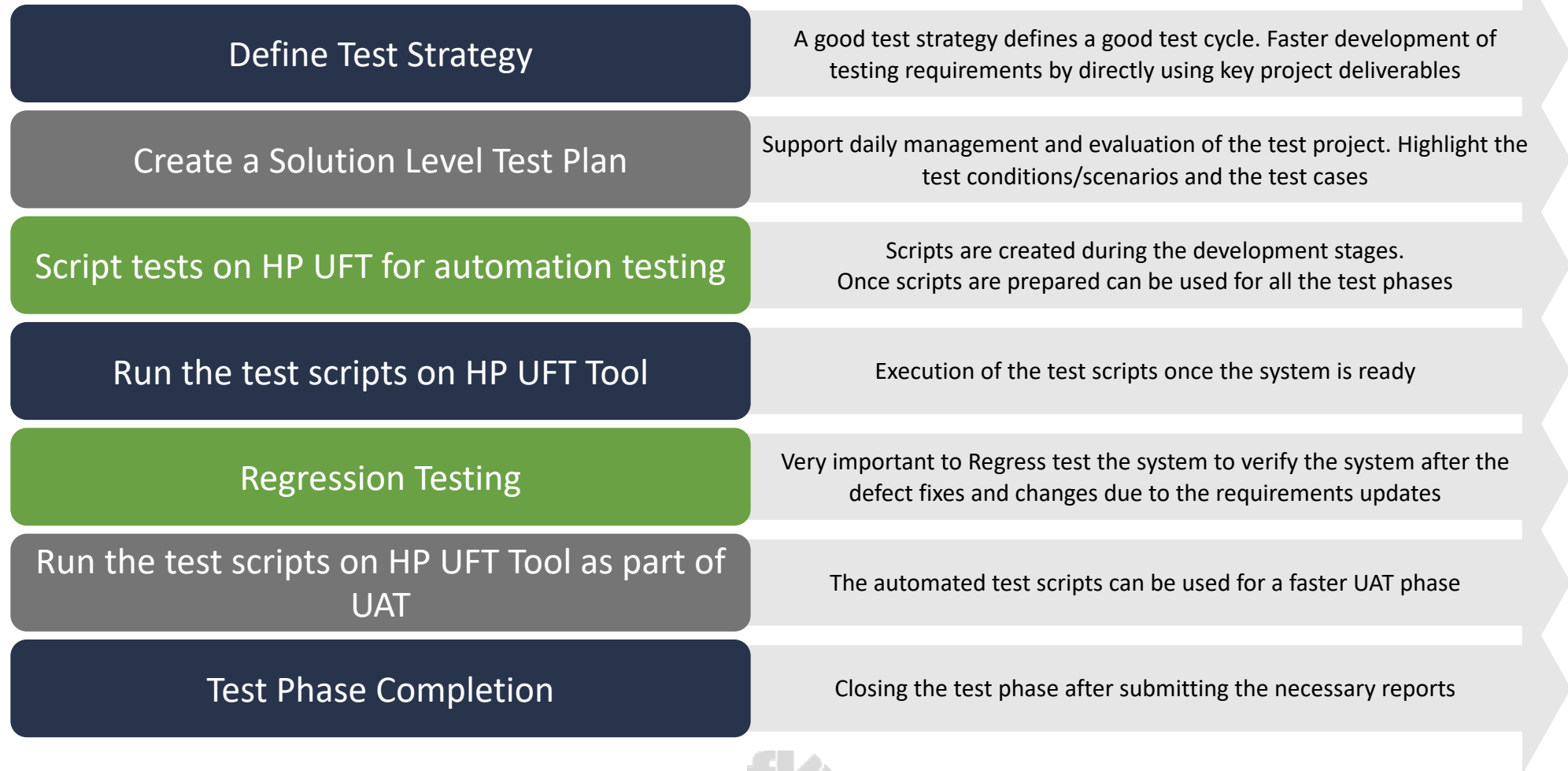
- 💧 The method or process used to implement automation is commonly referred to as the Test Automation Framework
- 💧 Several frameworks have been utilised over the years



Flo Group Test Strategy

- 💧 OTM is a standard application with standard features and functionalities.
- 💧 FLO's huge experience of OTM implementation assists in identifying different functionalities used as standard across various verticals (Manufacturing, 3PL, Retailers etc.).
- 💧 Creating a standard sets of tests of the identified features.
- 💧 During project execution, scripts can be updated to fit specific requirements requested by clients.
- 💧 Manual testing will continue where tests are deemed not repetitive.

Flo Group Test Strategy (2)



New Implementation

- 🔥 v Requirements are analysed and test scripts are created with support from Functional Design leads
- 🔥 Test Plan is then prepared for both Automated and Manual tests.
- 🔥 Automated testing scripts are then created with the help of the existing FLO test suite
- 🔥 New automated test scripts are created when they do not exist in the current test suite
- 🔥 And existing scripts would be updated to fit the requirements from within the project

Upgrade

- 💧 Automation testing is useful when OTM is upgraded
- 💧 Thus far, Flo Test Teams has identified all the changes between Releases 6.3.2 and 6.4.1.
- 💧 All such changes are categorised into OTM functionalities as seen below.

OTM Area	Ship. Mng.	Order Mng.	Shp. Group	Execution	Fleet/Doc Mng	Finance	Intg.	Rate Inq.	Config	MD	DB	Total
BASE PRODUCT	51	23	12	10	2	11	20	37	14	45	3	228
FREIGHT PAYMENT, BILLING AND CLAIMS	1	1				18	2					22
FTI	1	1						1		2		5
ORACLE FLEET MANAGEMENT	6	1			14					4		25
TRANSPORT OPERATIONAL PLANNING	34	4	4	1	4		2	11	4	12		76
TRANSPORTATION SOURCING							1	2		1		4
Grand Total	93	30	16	11	20	29	25	51	18	64	3	360

Upgrade (2)

- 💧 Oracle intends to move towards an Annual Upgrade (against Quarterly release) where there will be a single 'patch release'.
- 💧 Automation testing will make an attractive fit and enable customers to re-test 'full solution' quickly and effectively
- 💧 FLO will be competent to support OTM architectural changes (if any) by enhancing the test scenario or scripts with zero-to-minimal time effort
- 💧 Existing Test Suite from implementation project is taken and mapped to the upgraded functionalities list.
- 💧 This provides the list of scenarios that needs to be tested and verified that the system upgrade has been successful

Why Flo?

- 💧 Investment in Supply Chain Solutions
- 💧 Significant experience of global deployments
- 💧 Cloud certified partner
- 💧 Deep understanding of global logistics
- 💧 Large pool of onshore and offshore resources



24 x 7 Support



Acceleration
tools



Major Industry
References



Connectivity &
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Proven Partner



Scale

Thank You



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