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Texas Department of State Health Services

Application Lifecycle Management

Texas Immunization Registry

Matthew Davis

IIS Operations Coordinator

Background

IIS Replacement Project

2013	Project Began
2015	ALM Implemented
2017	ImmTrac2 Launch

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Test Case Management

IIS Replacement Project

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Test Plan

- Design
- Parameters
- Configuration
- Requirements

Test Lab

- Test Specification
- Run Schedules

Test Runs

- HP Sprinter
- Review Results
- Test Status
- Identify Defects

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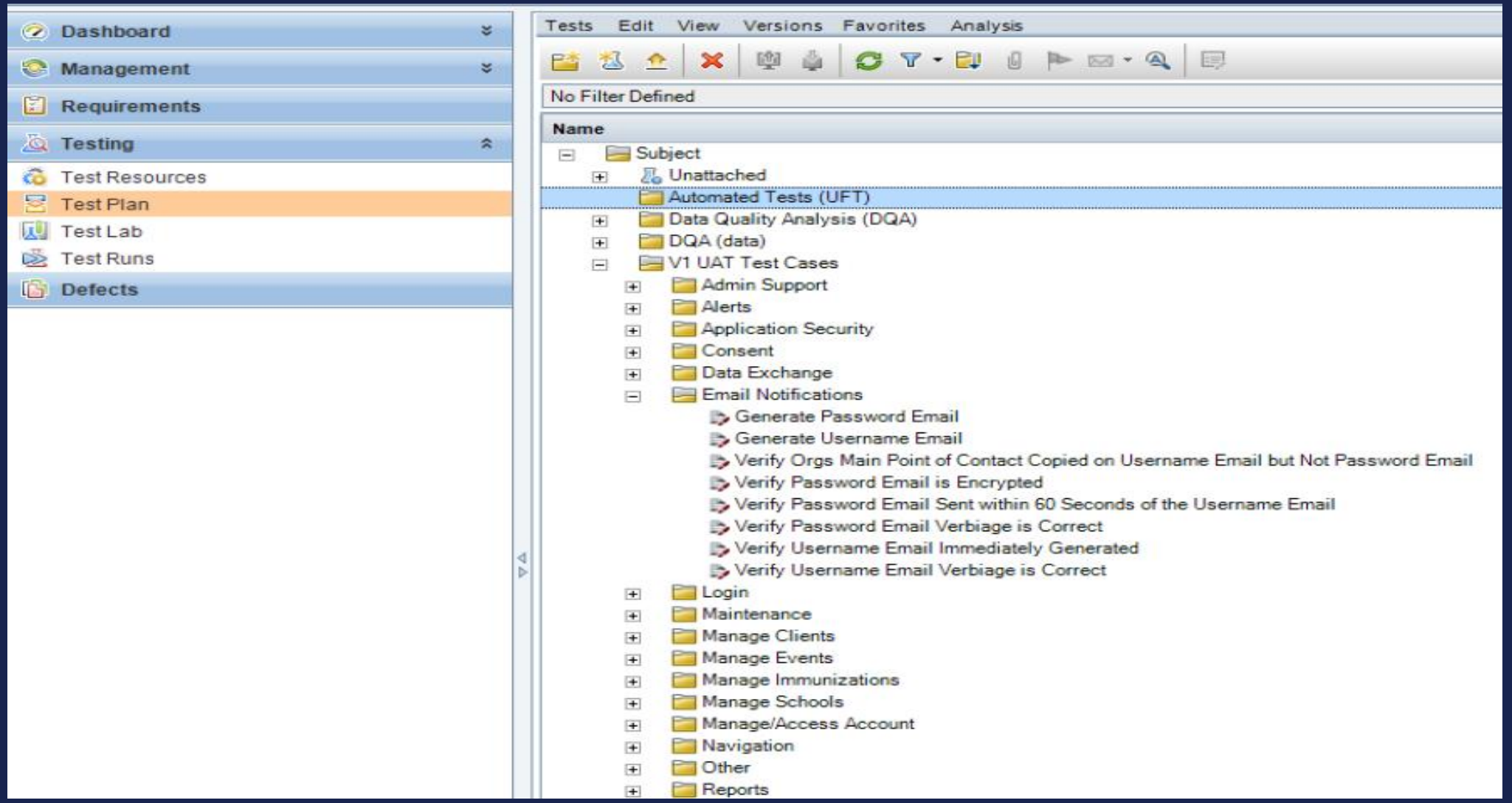
Test Plan



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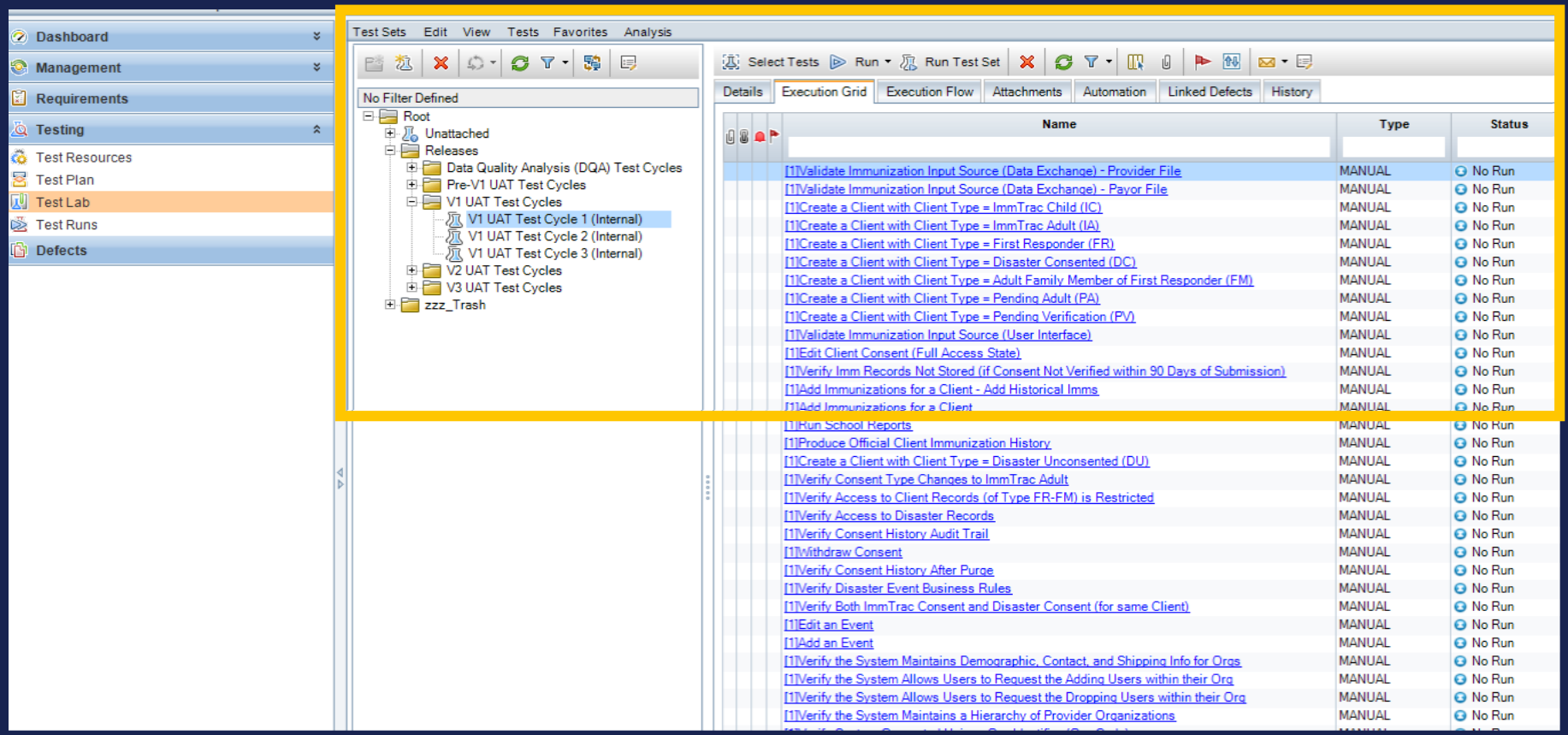
Test Lab



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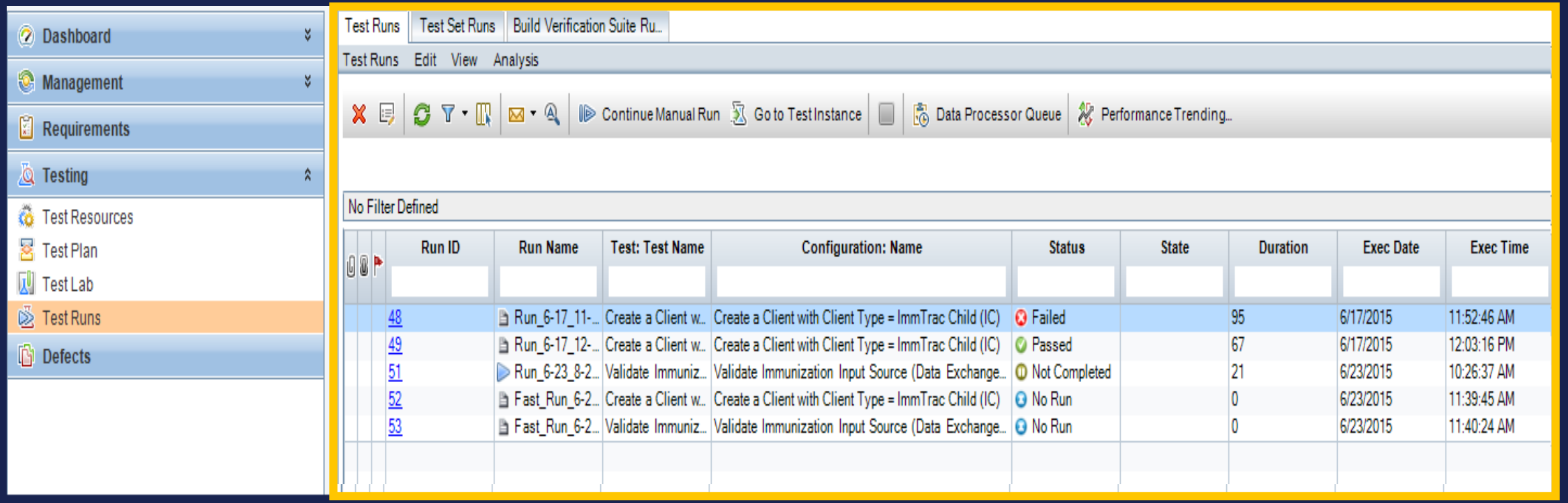
Test Runs



Run ID	Run Name	Test: Test Name	Configuration: Name	Status	State	Duration	Exec Date	Exec Time
48	Run_6-17_11-...	Create a Client w...	Create a Client with Client Type = ImmTrac Child (IC)	Failed		95	6/17/2015	11:52:46 AM
49	Run_6-17_12-...	Create a Client w...	Create a Client with Client Type = ImmTrac Child (IC)	Passed		67	6/17/2015	12:03:16 PM
51	Run_6-23_8-2...	Validate Immuniz...	Validate Immunization Input Source (Data Exchange...	Not Completed		21	6/23/2015	10:26:37 AM
52	Fast_Run_6-2...	Create a Client w...	Create a Client with Client Type = ImmTrac Child (IC)	No Run		0	6/23/2015	11:39:45 AM
53	Fast_Run_6-2...	Validate Immuniz...	Validate Immunization Input Source (Data Exchange...	No Run		0	6/23/2015	11:40:24 AM

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Test Runs - Automation

- Regression Testing
- Version Stability
- Stress Testing
- Load Testing

Applications

- QuickTest Professional
- LoadRunner
- Visual API-XP
- HP Unified Functional Testing

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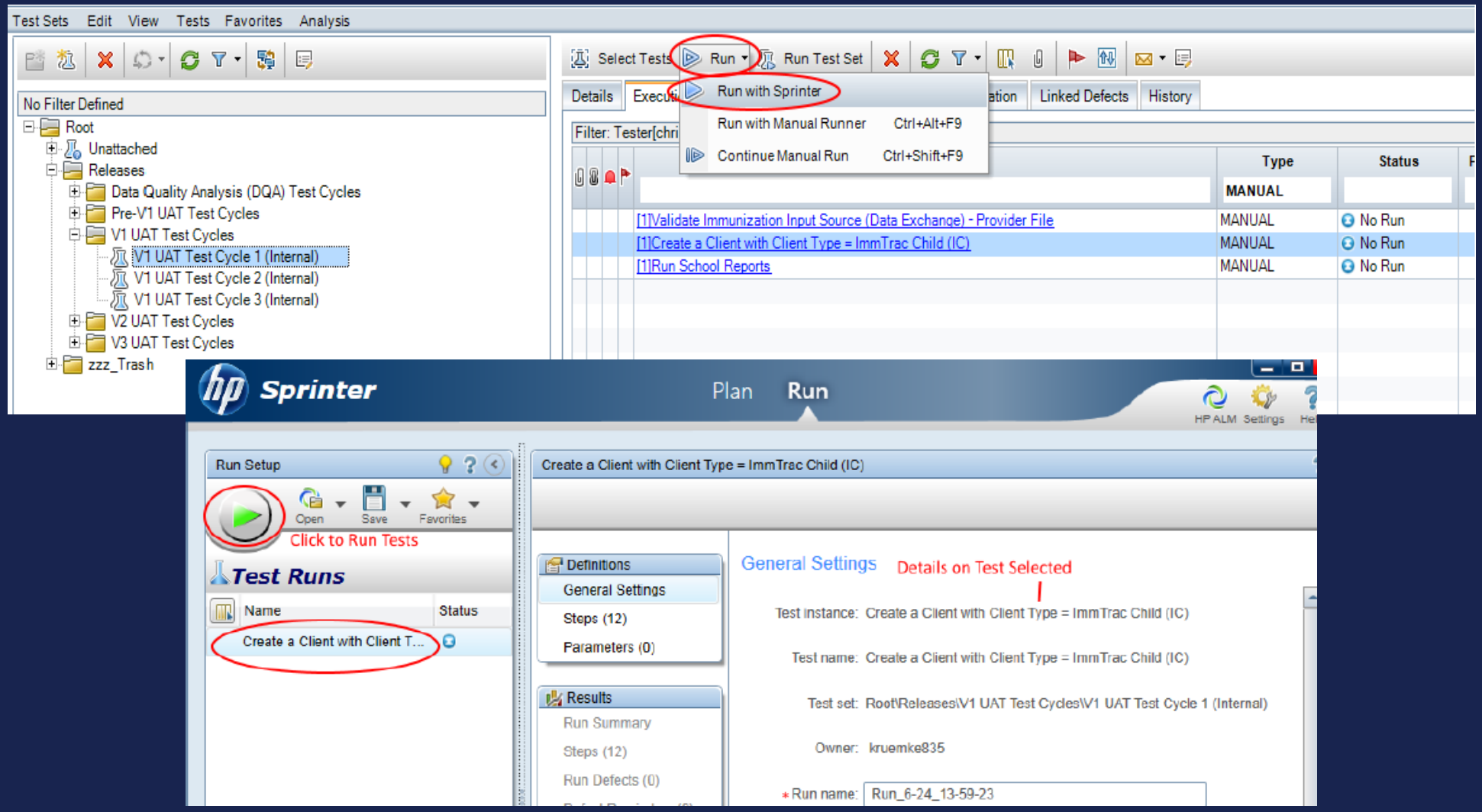
Test Runs – HP Sprinter



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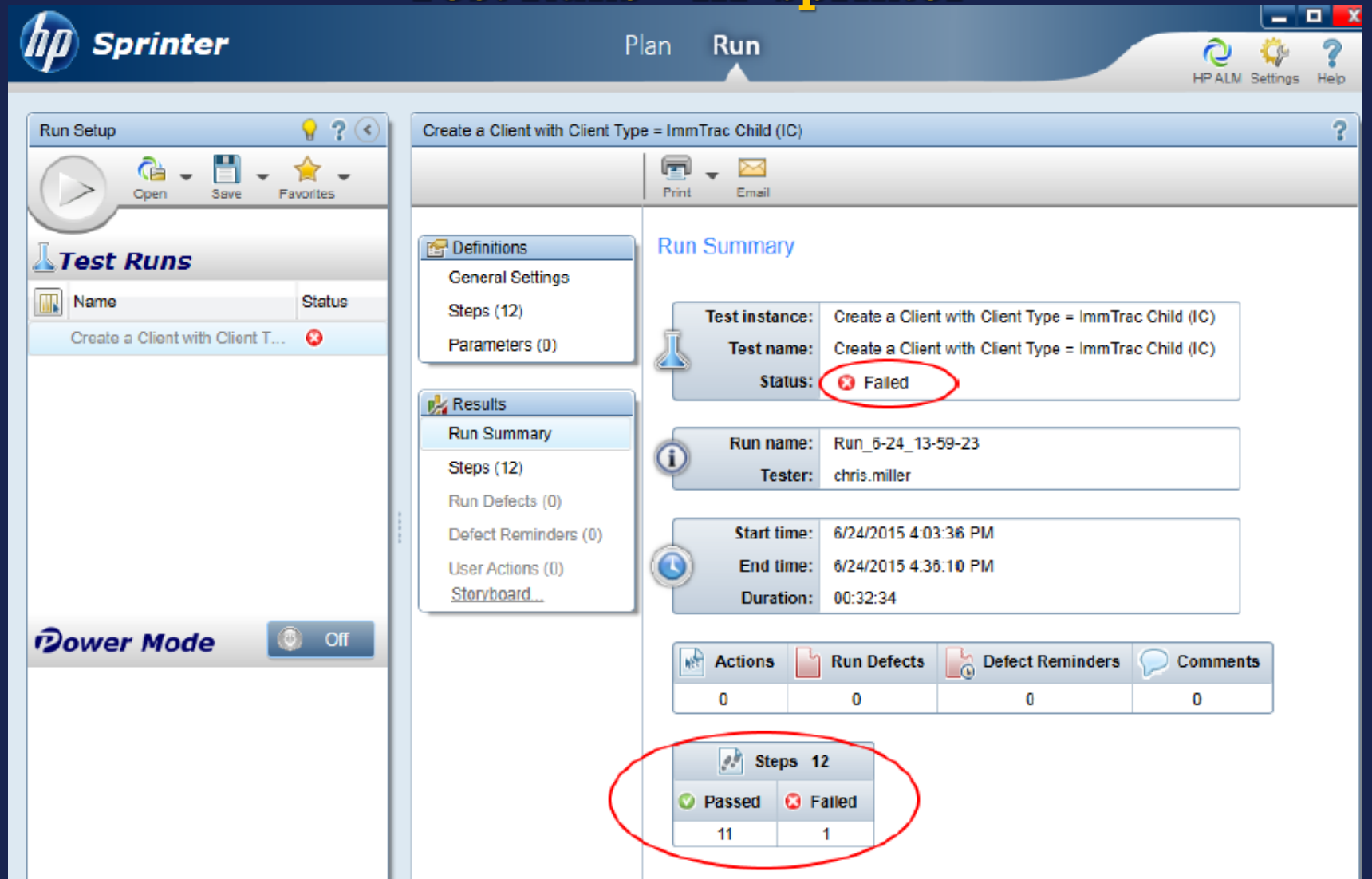
Test Runs – HP Sprinter



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Tracking & Managing

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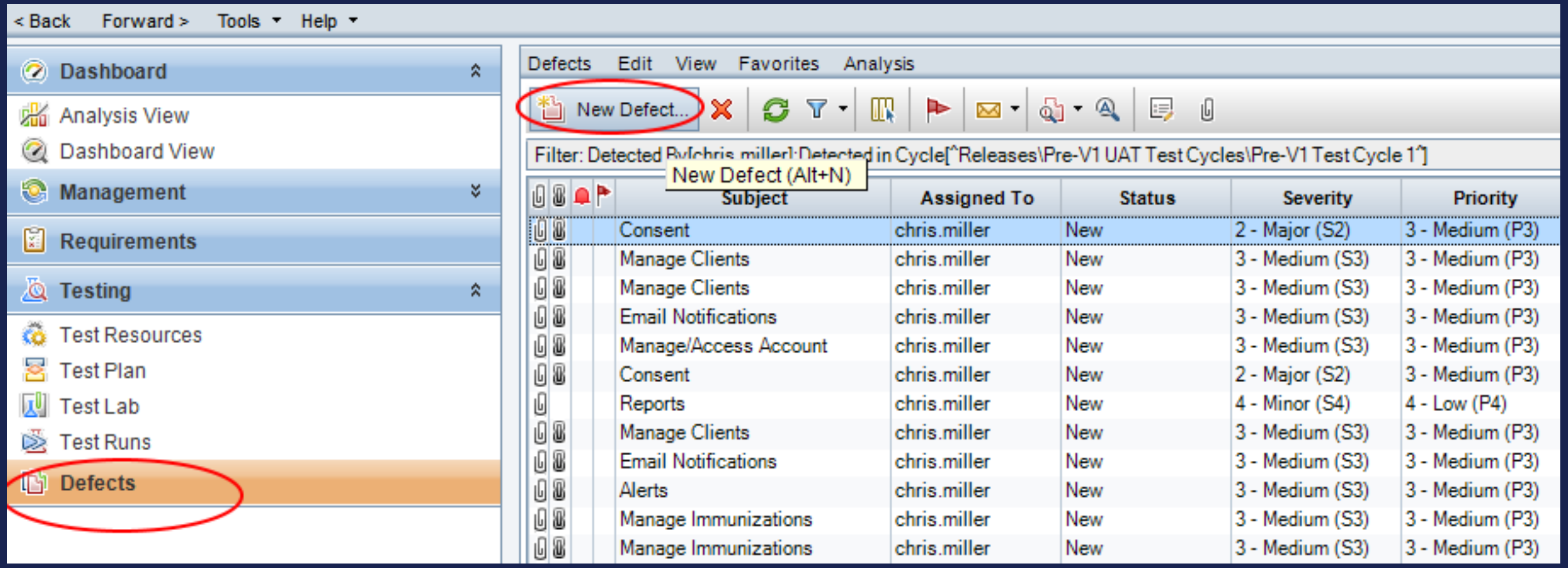

Subject	Assigned To	Status	Severity	Priority
Consent	chris.miller	New	2 - Major (S2)	3 - Medium (P3)
Manage Clients	chris.miller	New	3 - Medium (S3)	3 - Medium (P3)
Manage Clients	chris.miller	New	3 - Medium (S3)	3 - Medium (P3)
Email Notifications	chris.miller	New	3 - Medium (S3)	3 - Medium (P3)
Manage/Access Account	chris.miller	New	3 - Medium (S3)	3 - Medium (P3)
Consent	chris.miller	New	2 - Major (S2)	3 - Medium (P3)
Reports	chris.miller	New	4 - Minor (S4)	4 - Low (P4)
Manage Clients	chris.miller	New	3 - Medium (S3)	3 - Medium (P3)
Email Notifications	chris.miller	New	3 - Medium (S3)	3 - Medium (P3)
Alerts	chris.miller	New	3 - Medium (S3)	3 - Medium (P3)
Manage Immunizations	chris.miller	New	3 - Medium (S3)	3 - Medium (P3)
Manage Immunizations	chris.miller	New	3 - Medium (S3)	3 - Medium (P3)

Tracking & Managing

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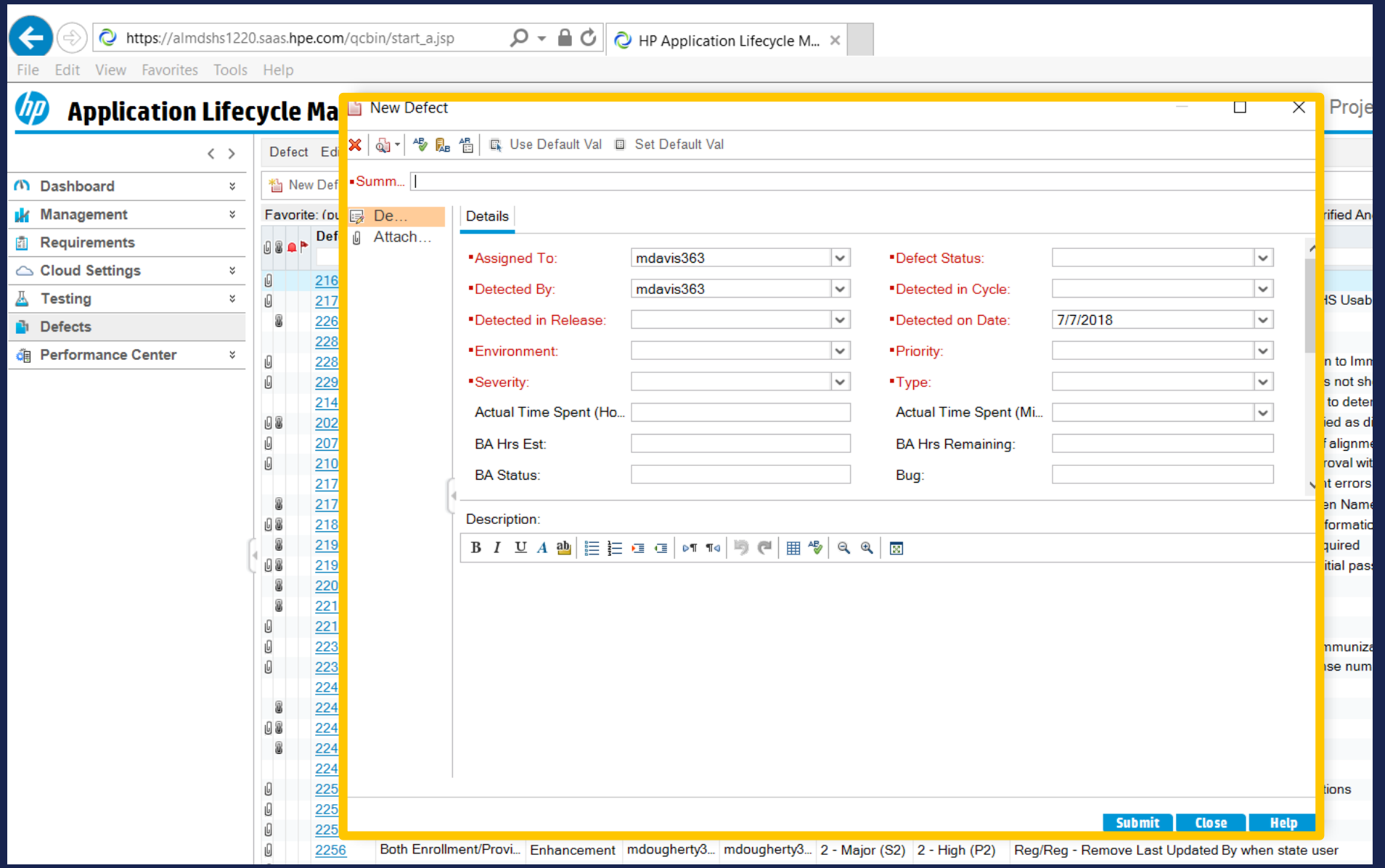

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Test Case Management

Test Runs – Reports

Analysis View

- Requirement Coverage Graph
- Requirement Summary Graph
- Test Set Summary Graph
- Defect Progress Graph
- Defect Age Graph

Business View Graph

Quick Entity Graphs Generation

Excel Report

Project Report

Dashboard

Tracking and Managing

ALM Reports

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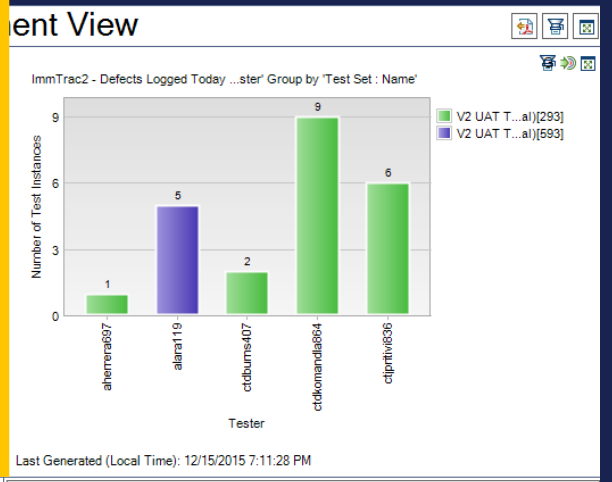
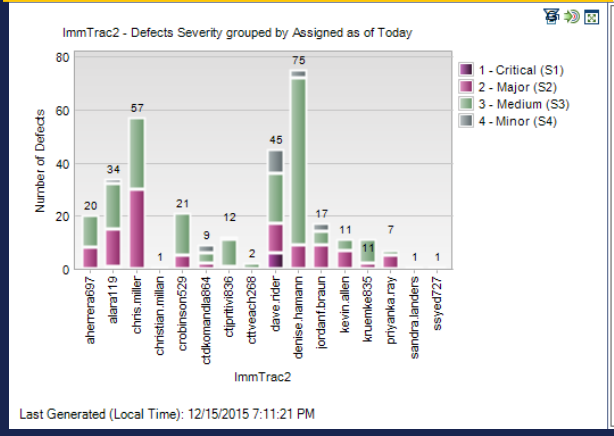
Manager ent View

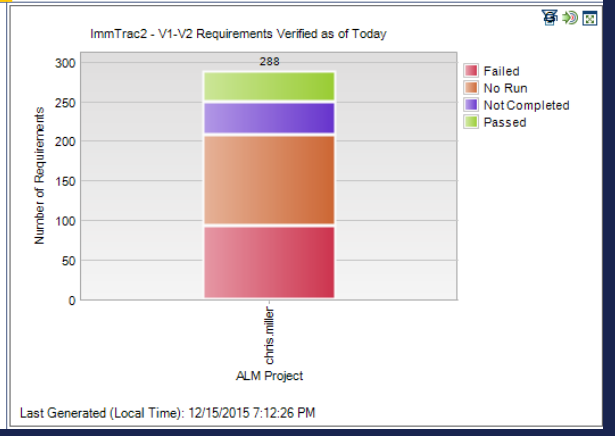
ImmTrac2 - Defects Logged Today by 'Tester' Group by 'Status'

	Failed	Passed	<Total>
aherrera697	1		1
alara119		4	4
ctdburns407	1	1	2
ctdkomandla864	5	4	9
ctjpritivi836	3	3	6
<Total>	10	12	22

Last Generated (Local Time): 12/15/2015 7:06:28 PM

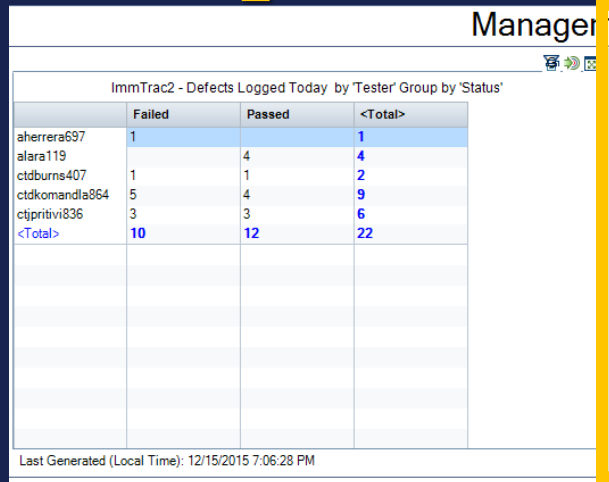


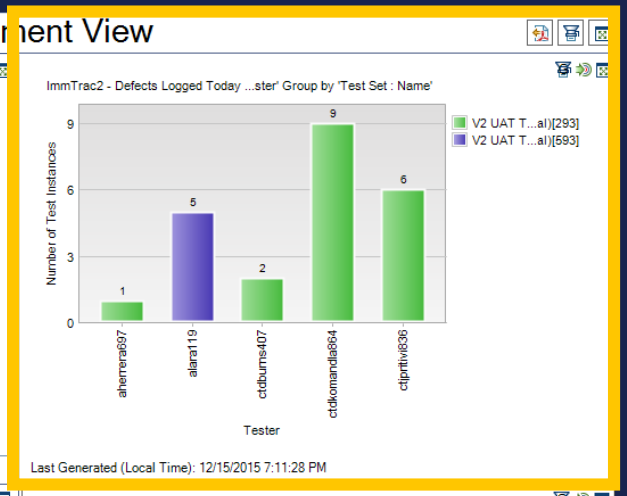


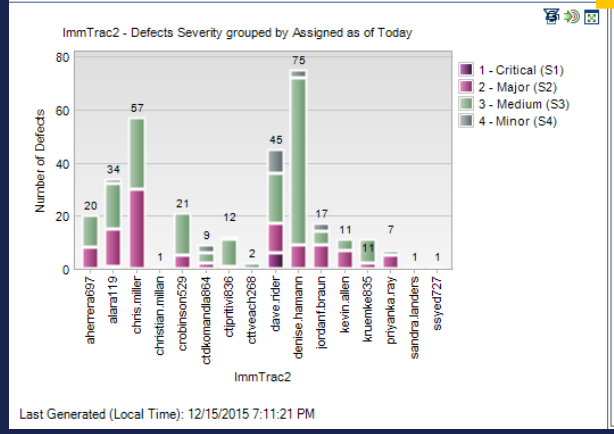


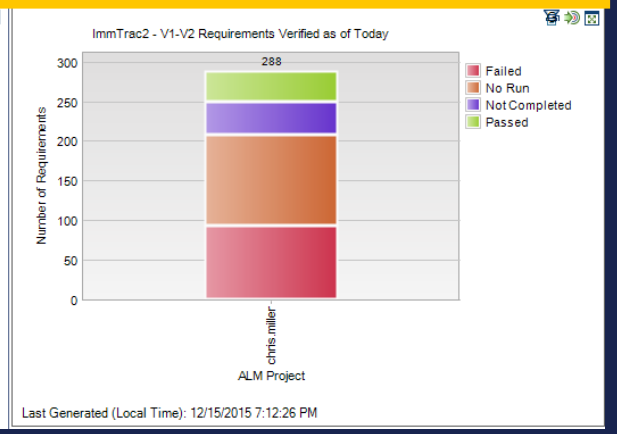
Tracking and Managing

ALM Reports









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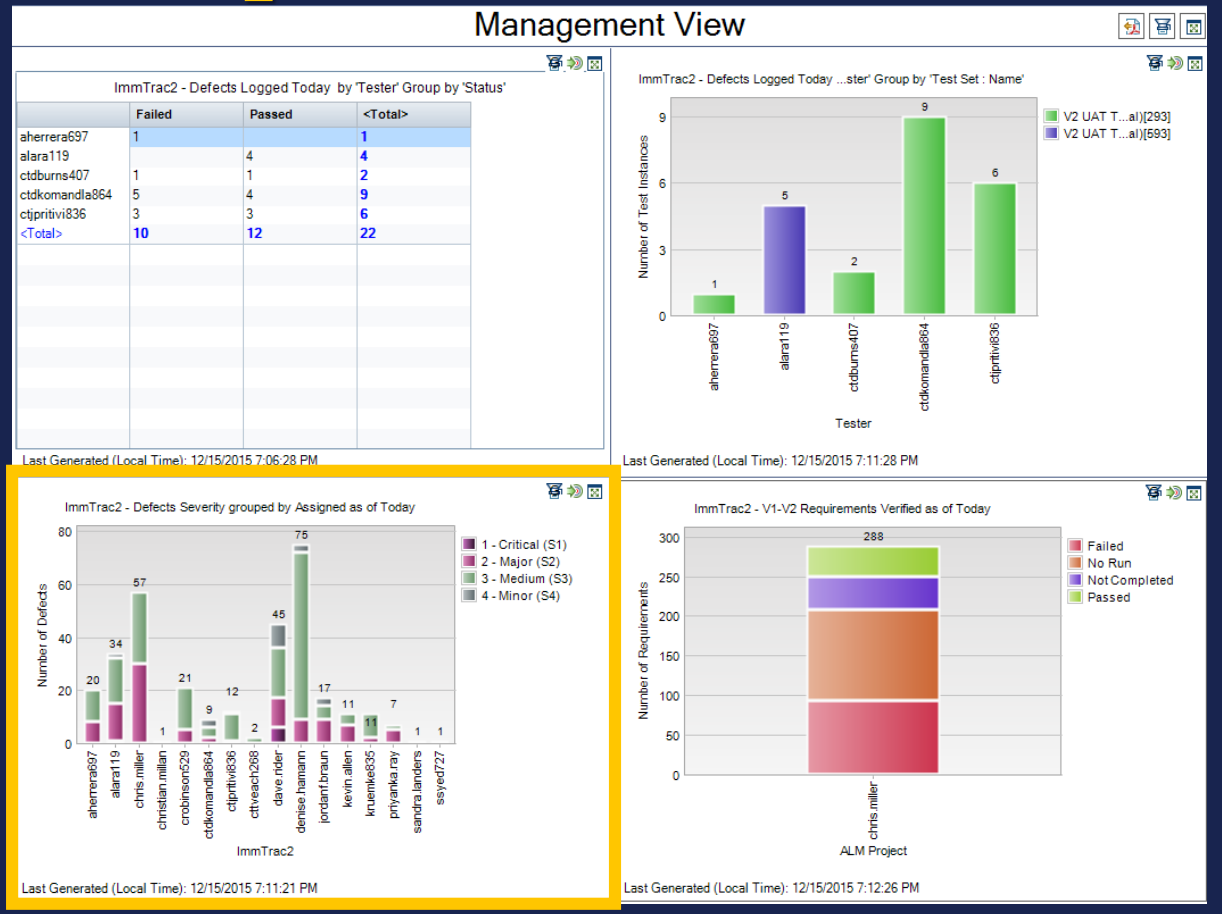

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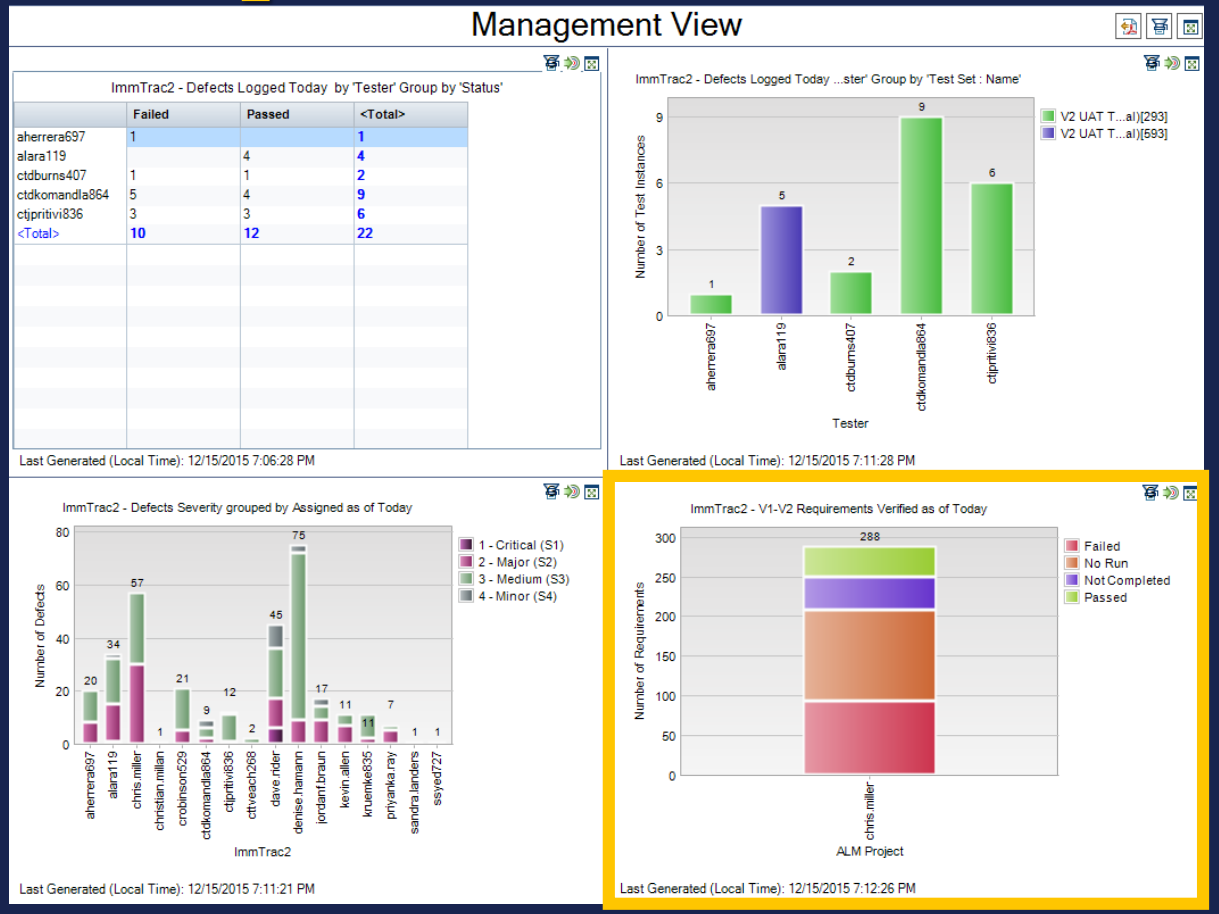

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Thank you

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