



DevOps Application Delivery with Microfocus

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Presale



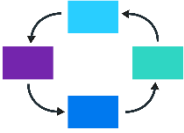
Application Delivery Market Disruptions

Market Disruptions

METHODOLOGY



Waterfall



Iterative



Agile



DevOps

APPLICATIONS



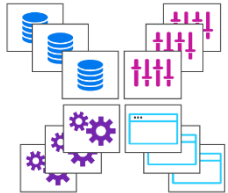
Monolithic



Client-Server

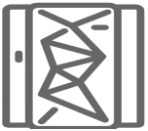


N-Tier



Microservices + APIs

INFRASTRUCTURE



Mainframe



Open Systems



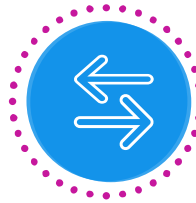
Virtualization/Cloud



Cloud Native

Agile/DevOps

Everybody are transforming



Enterprise agile is a mess

Centralization vs. de-centralization



ALM Market is consolidating

To provide E2E solution



Traditional/regulated Market

Alive and Kicking



**What's
happening
out there**

Roadblocks to optimized applications delivery



VISIBILITY

Struggling to get visibility into the actual product status, stakeholders collaboration issues and breakdown to progress and quality



SPEED

Challenges with scaling agile to enterprise result in missing deadlines, misaligned outcomes and lower quality



QUALITY

Sacrificing quality for speed causing lower customer satisfaction



Visibility!

DevOps ALM eco-system is challenging to manage

Plan			Develop			
Requirements & Planning Jira Software COLLABORATION VERSIONONE IBM storyteller jama Software Aha! PERFORCE PLANVIEW	Collaboration slack Yammer HIVE huddle Trello SAP Lithium chatter	PPM, Work Management & Governance Microsoft PLANVIEW Planisware Changepoint ORACLE workfront clarizen	SCM GitHub Bitbucket GitLab SUBVERSION HelixCore mercurial Broccoli	Build Tools maven Gradle Visual Studio sbt Gulp Ruby Rake	Repository Management JFrog Nexus rpm docker archiva cloudsmith	CI/CD Tools Jenkins Team Foundation Server Bamboo TeamCity Travis CI circleci urban(code)
Test/Quality						
Source Code Analysis sonarqube CHECKMARX CAST AppScan MICRO FOCUS VERACODE coverity	Functional SeleniumHQ cucumber TRICENTIS JUnit MICRO FOCUS FitNesse	Performance JMeter BlazeMeter MICRO FOCUS CloudTest LoadComplete Getting riverbed	Test Data Management Informatica DELPHIX Compuware DBmaestro QASymphony MICRO FOCUS actifio	Service Virtualization PARASOFT ServiceV Pro IBM MICRO FOCUS ca TRICENTIS	Mobile Testing Digital Quality Perfecto SAUCELABS Akamai experitest MICRO FOCUS IBM SIEMENS SYNOPSIS	Cloud Testing Akamai Skytap Microsoft MICRO FOCUS IBM ca
IoT ALM/PLM	Deliver		Operate		User Experience Analytics	
SIEMENS ptc IBM SYNOPSIS DASSAULT SYSTEMES AUTODESK Planisware	Configuration Management ANSIBLE CHEF puppet SALTSTACK CFEngine Spinnaker PowerShell	Deployment urban(code) DEPLOY HashiCorp Google Capistrano SmartFrog JUJU	Release Orchestration Electric Cloud PLUTORA RELEASE ca urban(code) MICRO FOCUS Visual Studio	Monitor New Relic dynatrace APPDYNAMICS Nagios DATADOG Prometheus solarwinds	Log Management splunk sumologic logentries LOGGLY logstash	Google Adobe Perfecto CLICKY axway tealeaf Optelgent

Automate everything

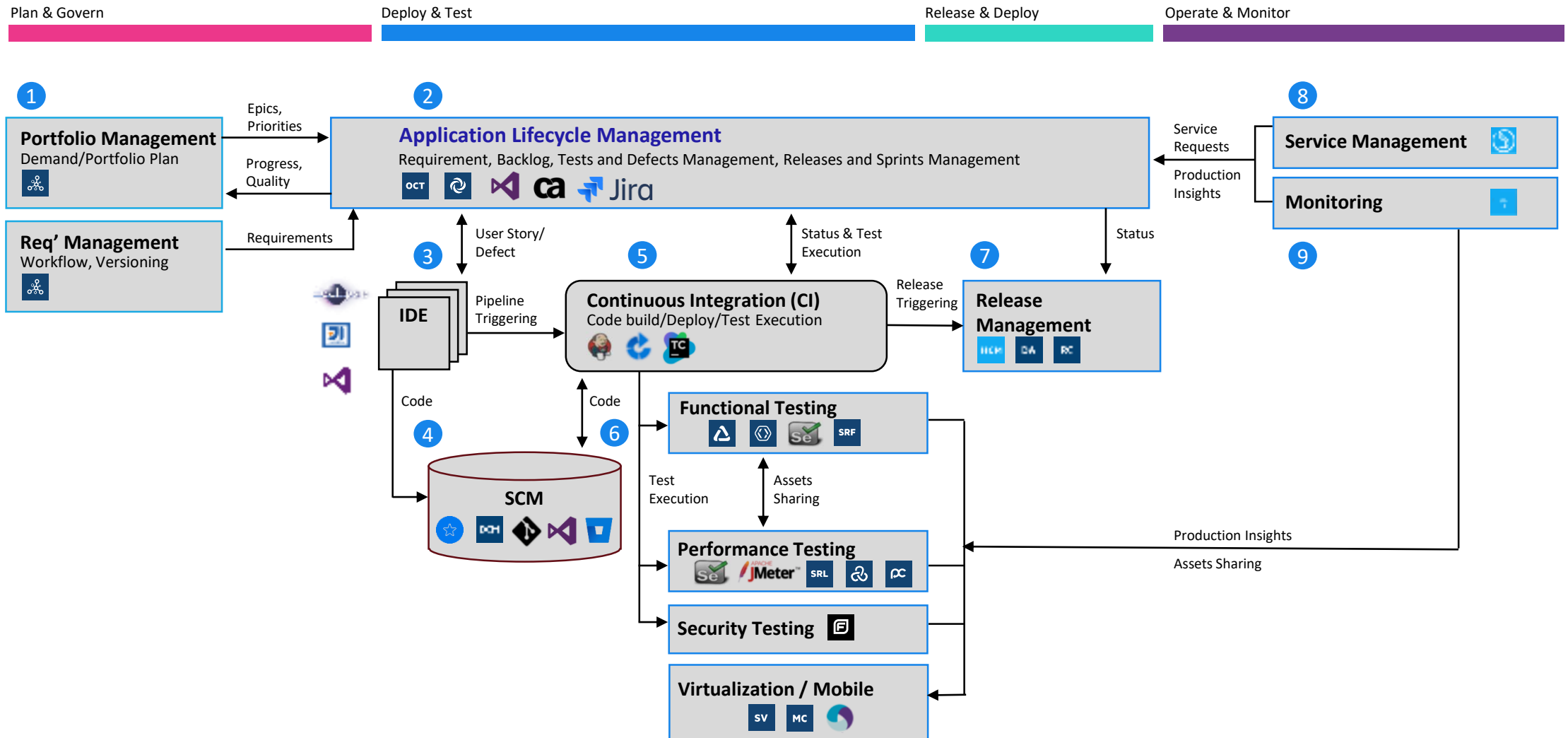
Open Source First

Release when ready

Dev and Ops Collaboration

* IDC 2018, DevOps ALM

Streamline your Application Delivery





PIRELLI

PIRELLI

ROLEX

2017

3

P ZERO

P ZERO

Speed!

Agile delivery at scale

Siloed Teams

Greater collaboration inhibited by organizational issues



Duplicate Tooling

Integration problems due to multiple toolchains



Misaligned Outcomes

Little to no optimization of new and older products



Unexpected Costs

Lack of insight creates waste and leads to missed deadlines and lost revenue



Management Challenges



Quality!

Agile Quality Challenges



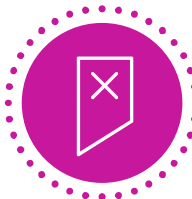
52%

“not enough time to test”



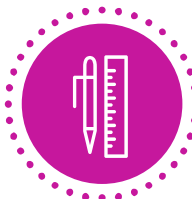
43%

“we don’t have the right tools to test”



34%

“we don’t have the right testing process or method”



“Quality at Speed”

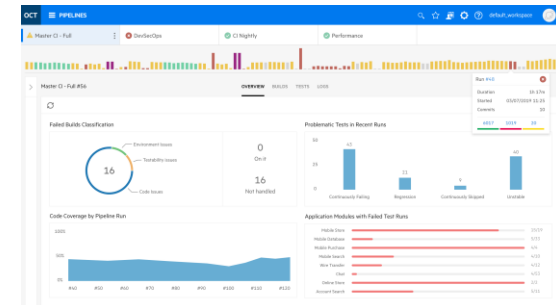
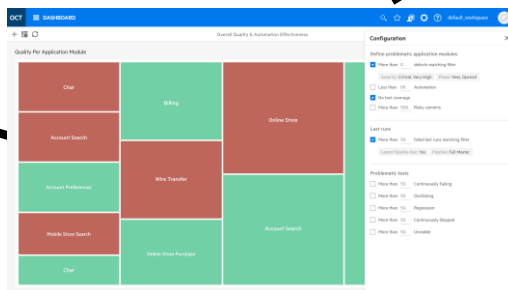
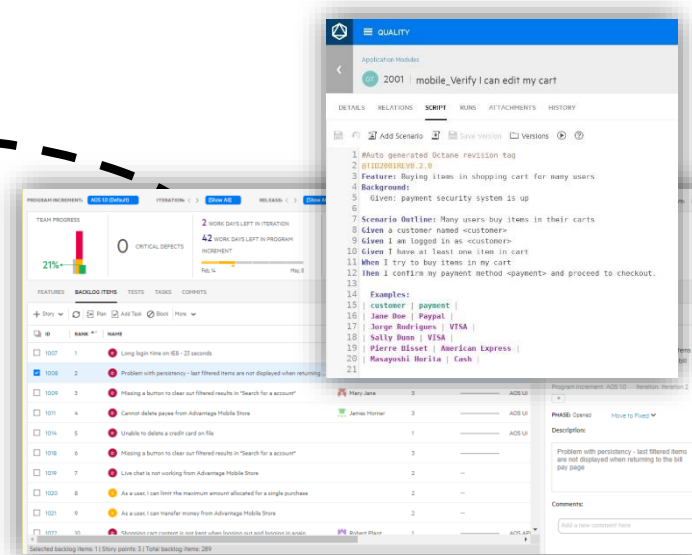
Adoption of Agile and DevOps has led to a focus on speed even at the cost of quality

Put Quality at the Core

Quality oriented agile sprints

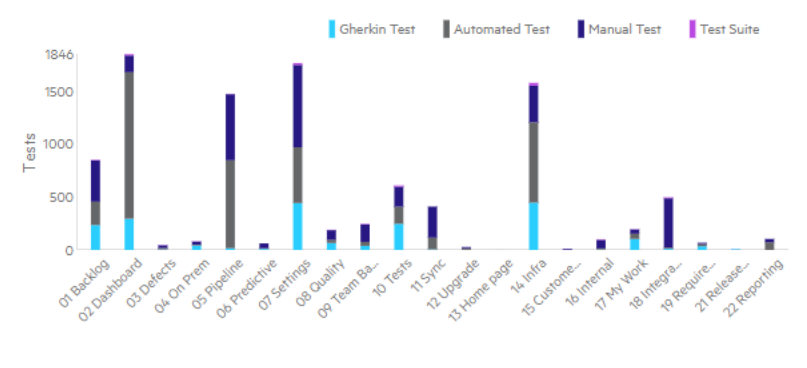
Leverage and analyze test automation

System quality management, end-2-end

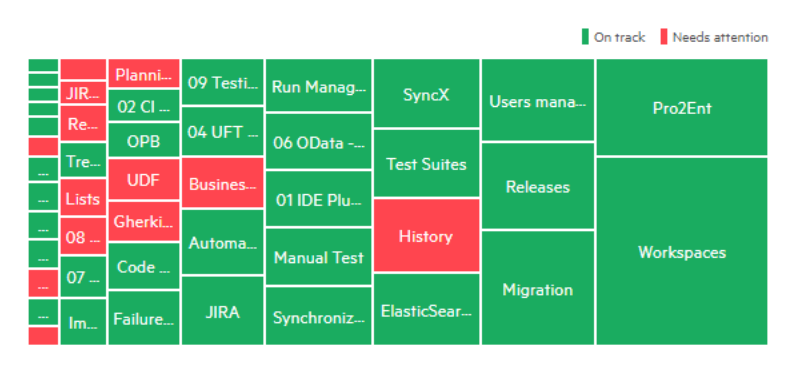




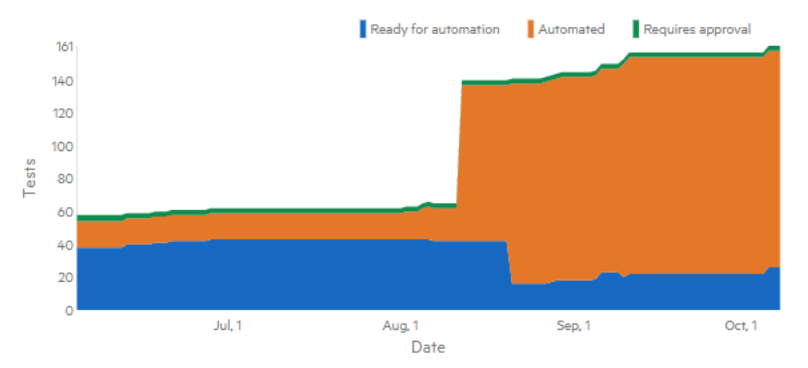
TESTS COVERAGE PER APPLICATION MODULE



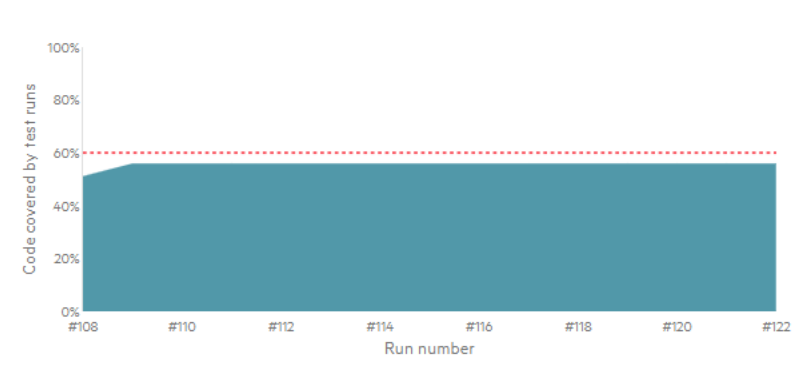
QUALITY PER APPLICATION MODULE



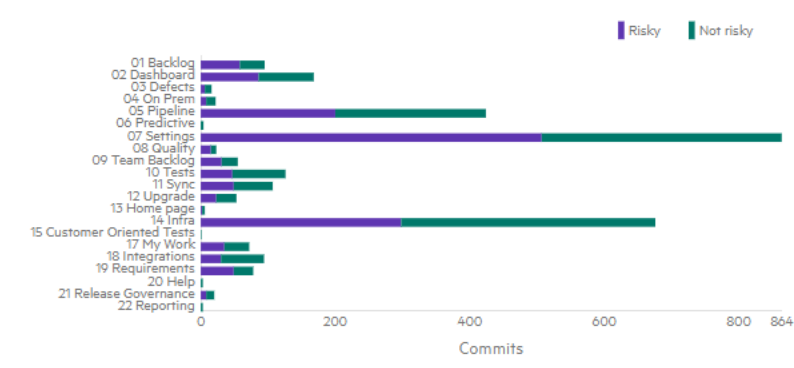
MANUAL TO AUTOMATION



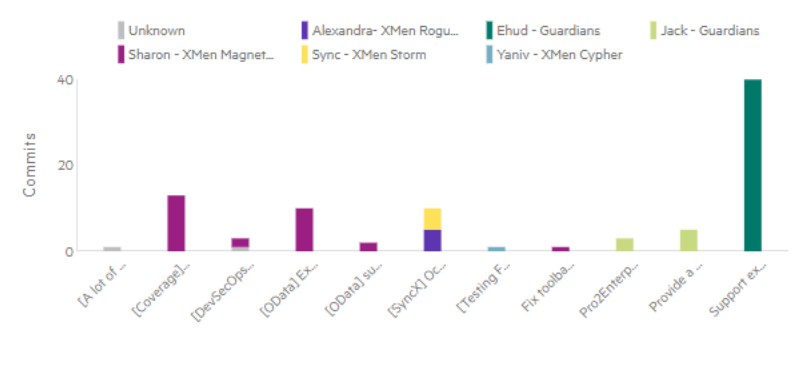
CODE COVERAGE BY PIPELINE RUN



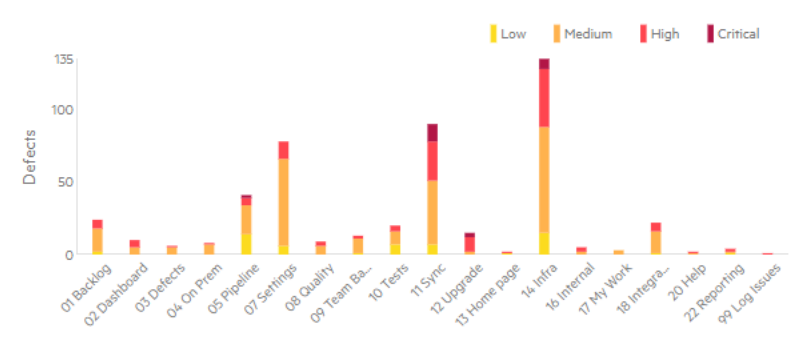
RISKY COMMITS PER APPLICATION MODULE



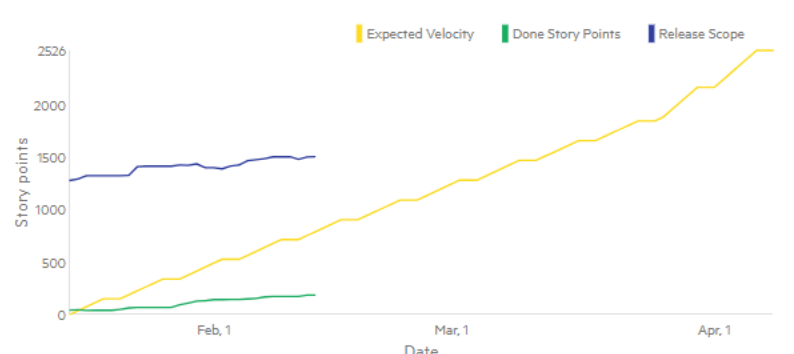
COMMITTS BY FEATURE



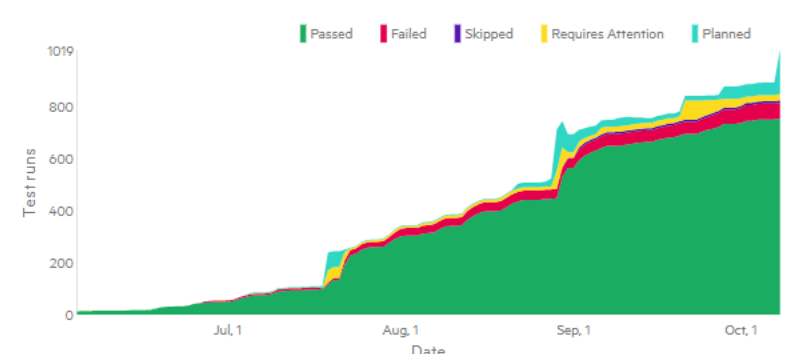
OPEN DEFECTS BY APPLICATION MODULE



RELEASE BURN UP

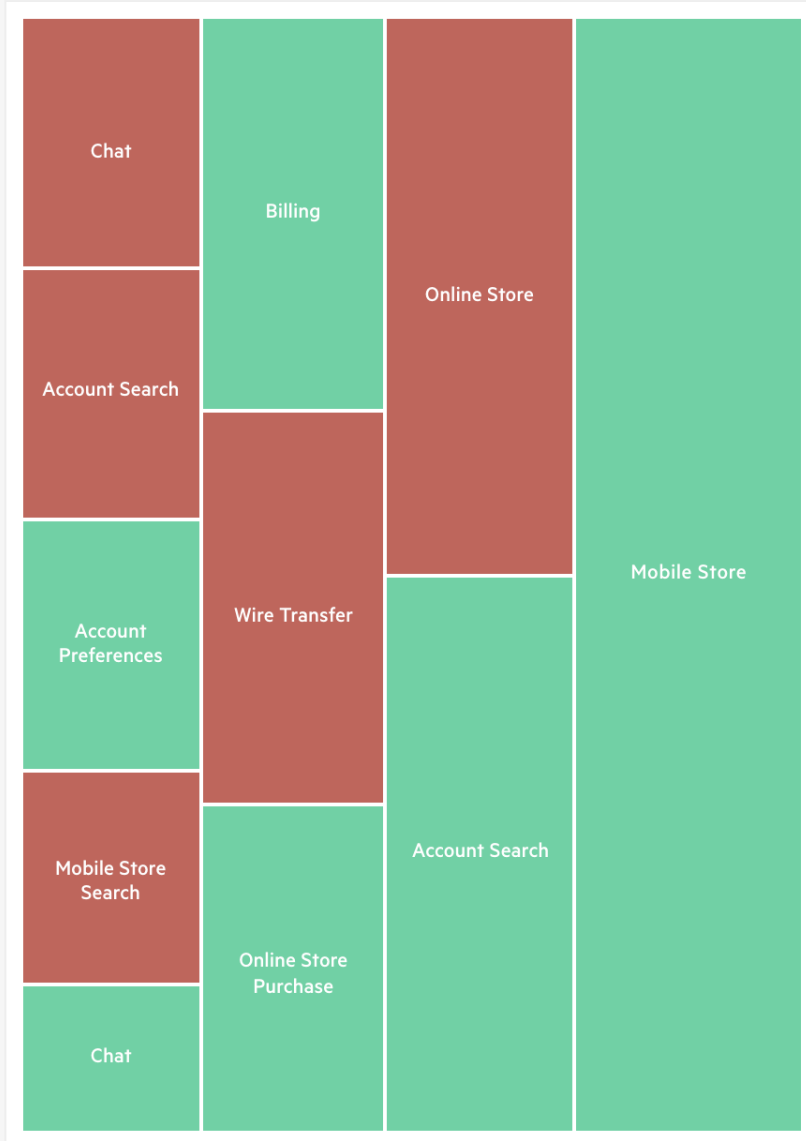


TREND OF MANUAL TEST RUNS IN THE RELEASE TIMELINE

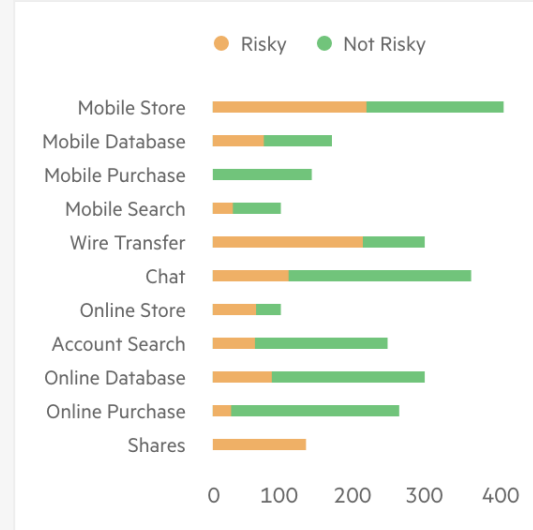


Quality Overview

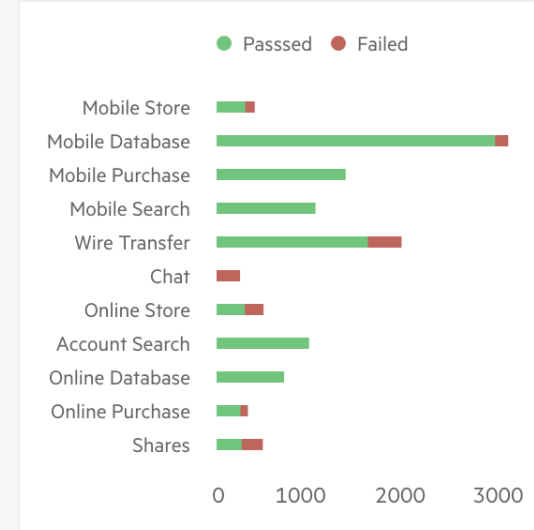
Quality Per Application Module



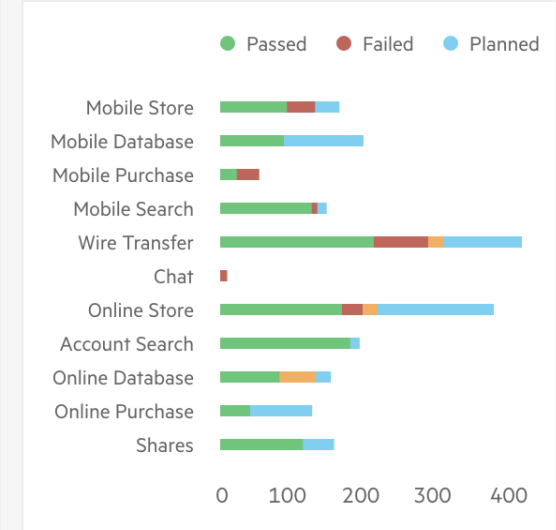
Risky Commits Per Application Module



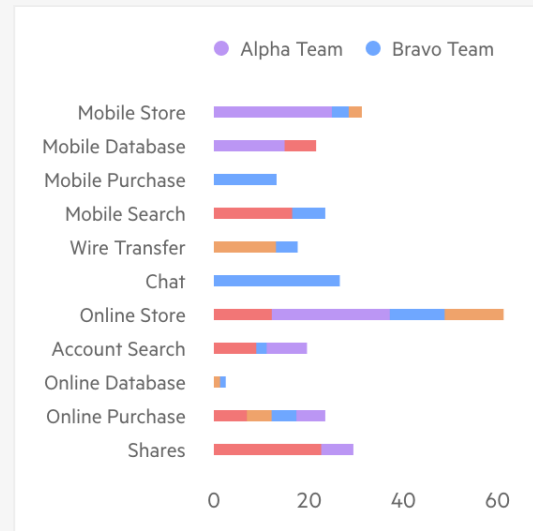
CI Automation Tests Per Application Module



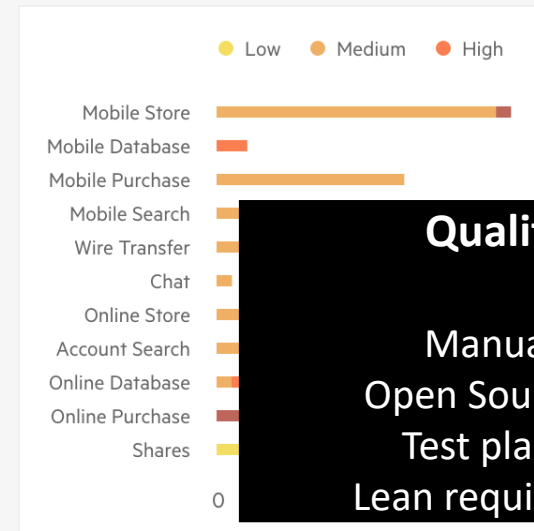
Manual Tests Per Application Module



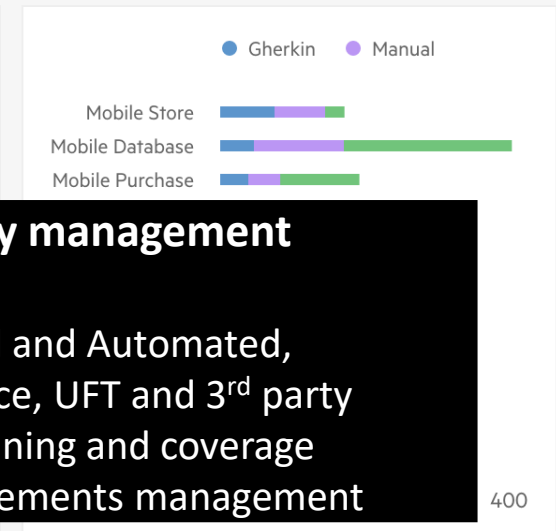
Features Per Application Modules - By Team



Open Defects Per Application Module



Risky Commits Per Application Module



Quality management

Manual and Automated,
Open Source, UFT and 3rd party
Test planning and coverage
Lean requirements management

Backlog

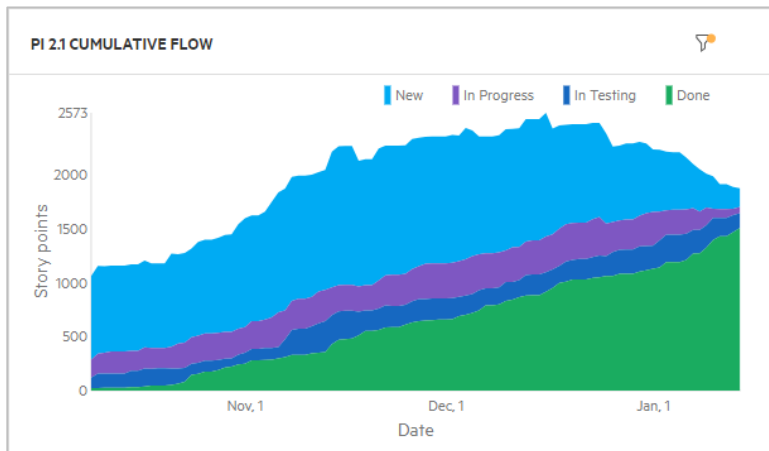
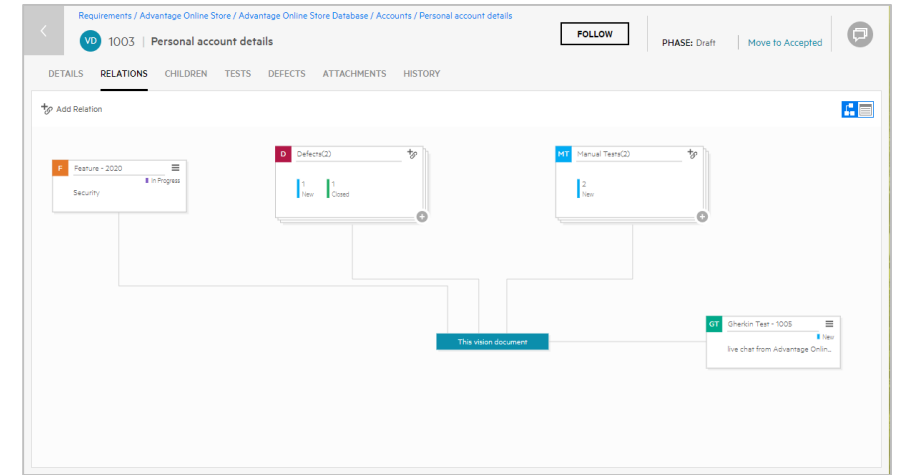
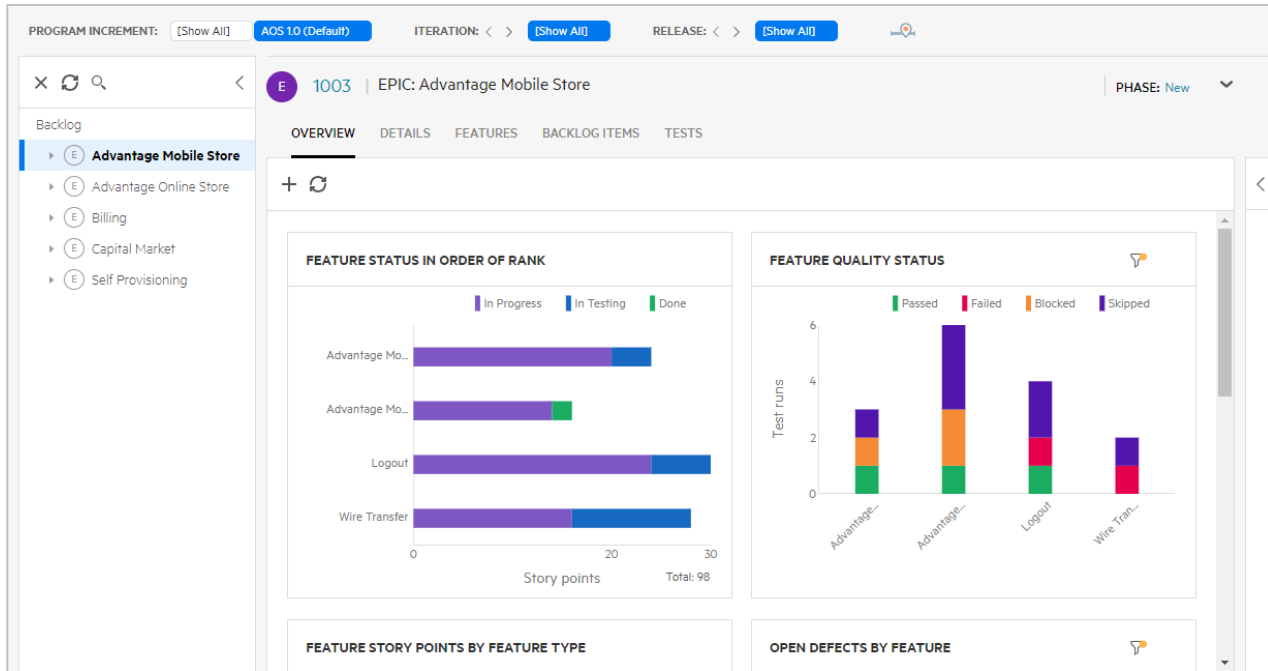
OVERVIEW EPICS FEATURES BACKLOG ITEMS TESTS

+ Feature

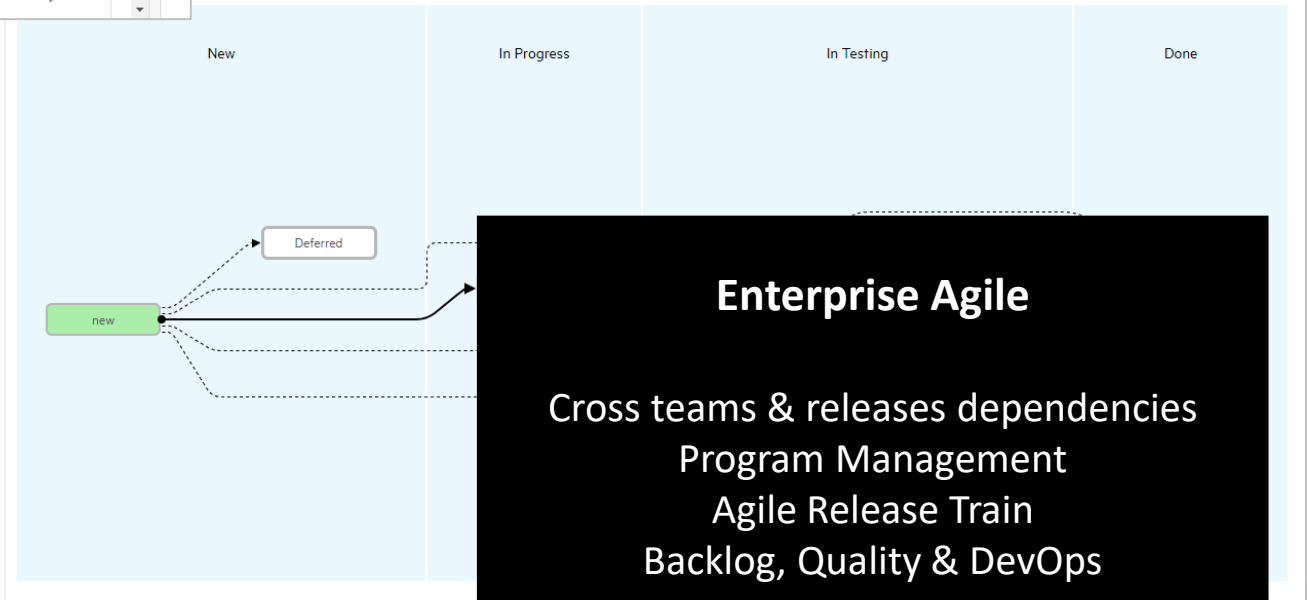
Search and view controls

ID	Name	Tags	Rank	Progress	Test Coverage	Defects	Risky Commits	Vulnerabilities
152009	Account Search	commitment	1	91%		0		
152012	Mobile Store Database	commitment	2	84%		1		
152015	Mobile Store Purchasing	commitment	3	87%		0		
152013	Mobile Store Sea...		4	78%		0		
152008	Online Store Database	commitment	5	73%		0		
152026	Online Store on Cloud Datab...		6	52%		0		
152030	Online Store on Cloud Purch...	commitment	7	0%		23		
152011	Online Store Purchase		8	0%		0		
152029	Chat		9	12%		0		
152028	CheckCredit	commitment	10	0%				
152021	Personal Preferences		11	0%				
152027	Login		12	0%				
152009	Account Search		20	0%				

Agile Management
 Manage progress & quality across products, methodology agnostic
 Agile Management

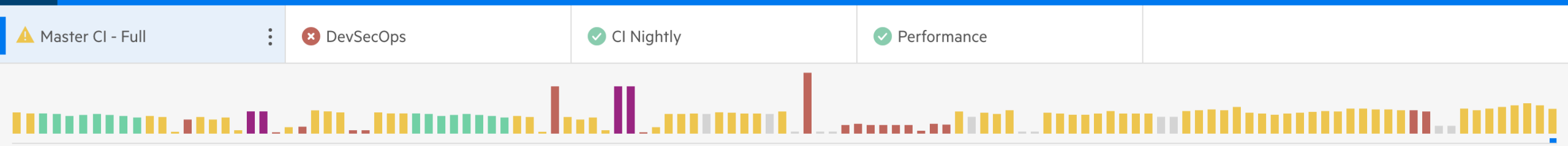


- (E) Epic
- (F) Feature
- (US) User Story
- (QS) Quality Story
- (MT) Manual Test
- (GT) Gherkin Test
- (AT) Automated Test
- (TS) Test Suite
- (MR) Manual Run
- (AR) Automated Run
- (TM) Team
- (T) Task
- (R) Requirement



Enterprise Agile

Cross teams & releases dependencies
 Program Management
 Agile Release Train
 Backlog, Quality & DevOps



Master CI - Full #56

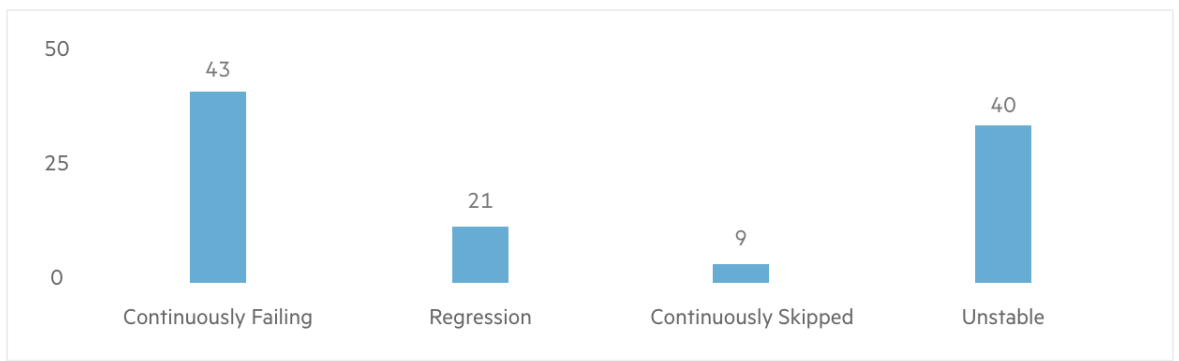
OVERVIEW BUILDS TESTS LOGS



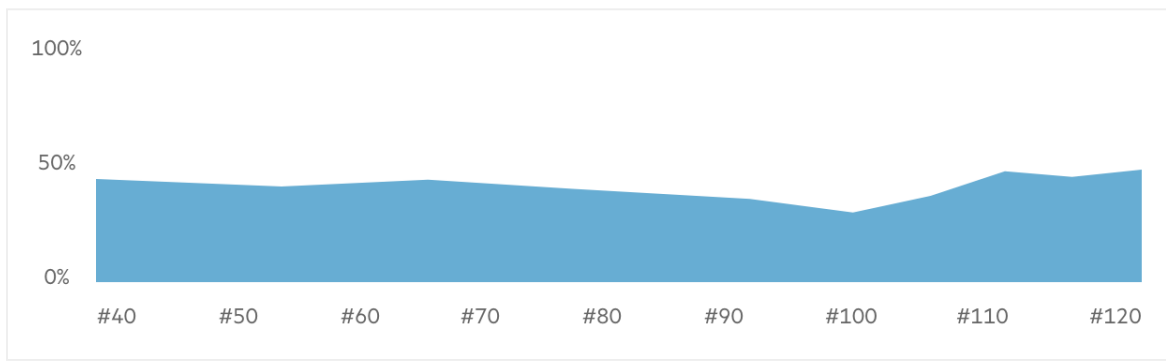
Failed Builds Classification



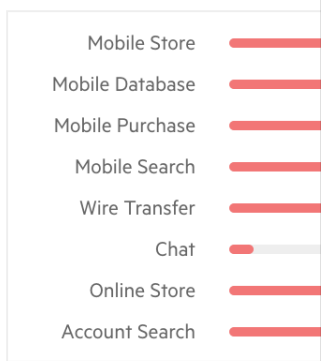
Problematic Tests in Recent Runs



Code Coverage by Pipeline Run



Application Modules with F...



DevOps Acceleration

DevSecOps
 Powerful CI/IDE/SCM Integrations
 CI Analytics (e.g. Failed Build Classification)
 Test Automation ROI
 Dev & QA collaboration

Quality Management

Smart Coverage

Automation ROI

Production Insights

Environment Management



PR 881796 | ALM Octane Full Master#12891 Not Me Run #12891

OVERVIEW BUILDS TESTS LOGS



PIPELINE ISSUE SUMMARY

QUALITY - Builds with most failed tests ⓘ

12 Builds

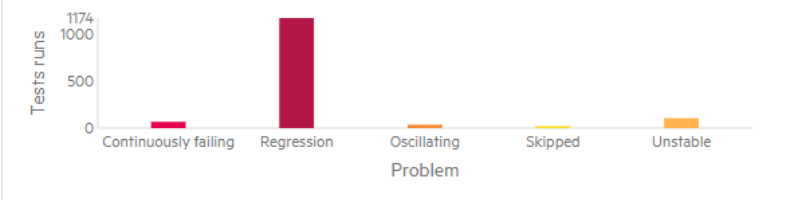
- #3851 OMG-REST-Legacy-ISOALTED-Tests... | 975 failed tests | 0% handled
- #3968 OMG-UI-Tests-full-master | 171 failed tests | 1% handled

2% tests are handled

RELATED USERS

User	Commits	Tests On It
Evgene Lokshin	0	1
Yaniv raziel	0	4
Clay Ling	0	11
Sharon Lin	0	1

PROBLEMATIC TESTS IN RECENT RUNS



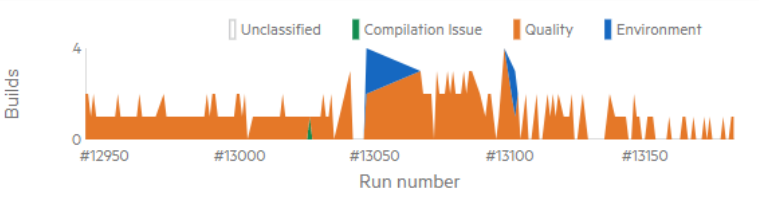
FAILED TEST RUNS

1218 123

46 On it

1295 Not handled

PIPELINE BUILD FAILURE CLASSIFICATIONS OVER TIME



TEST STATUSES BY PIPELINE RUN

