

FROM IDE TO CUSTOMER with Jenkins



July 16, 2014

#jenkinsconf

Who are we?



HANA Cloud Portal















Our Product Lifecycle Diagram

CI / Regression

CI / Validation

PI Release tests







DEVELOPMENT



CANDIDATE



RELEASE







Voter / Review











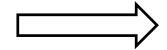


QBS Process

All Leads into a single unified mail

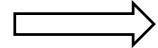
CI / Regression





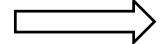
CI / Validation





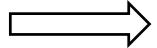
Voter / Review





QBS Process

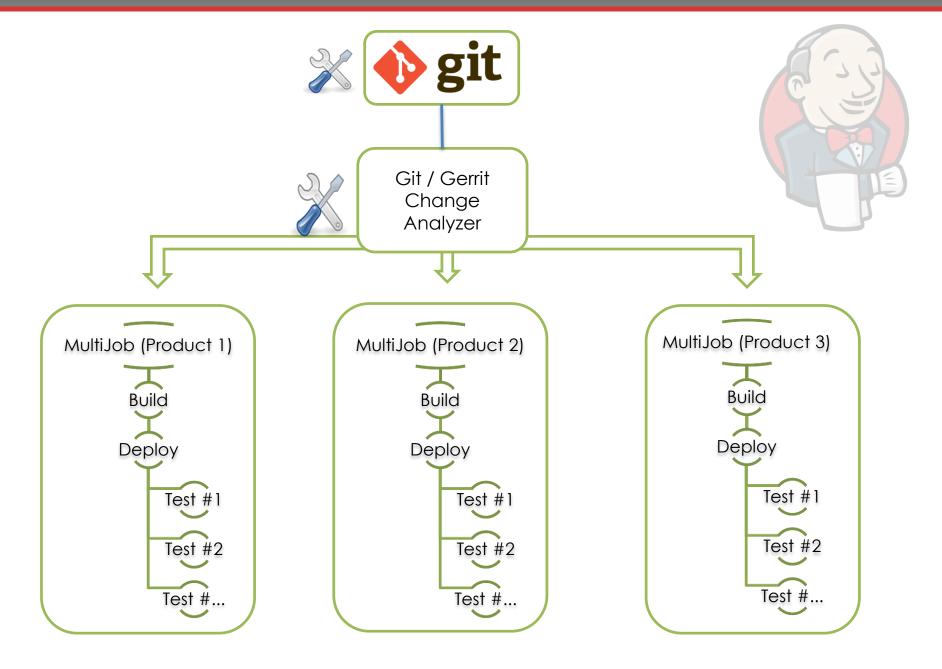








We Deliver 3 Different products From a Single Git repository

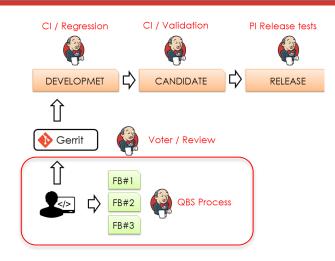


QBS – Quality Before Submit

Feature Branch Tests

Jenkins MultiJob Plugin by Tikal

Complex and hierarchical structure in Jenkins.



Extended Choice Parameter plugin

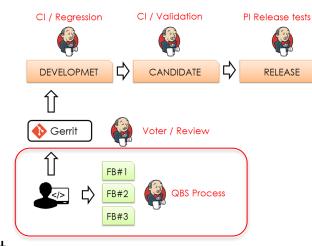
Create lists and combo-boxes

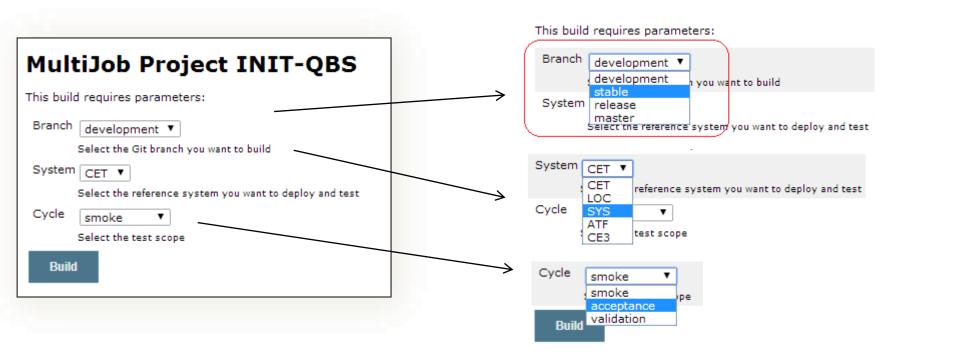
ь	S	w	Last Success	Last Failure	Last Duration	Console
INIT-QBS	<u> </u>		1 hr 0 min	1 hr 58 min	3 min 6 sec	
Build	<u> </u>					
QBS-build	<u> </u>	*	1 hr 0 min	N/A	24 sec	
Deploy	<u> </u>					
QBS-deploy	()	*	1 hr 0 min	N/A	10 sec	
Jmeter	<u> </u>					
QBS-imeter	<u> </u>	*	59 min	N/A	11 sec	
JsLint	<u> </u>					
QBS-jslint	<u> </u>	*	59 min	N/A	1.3 sec	
Sonar	<u> </u>					
QBS-sonar	<u> </u>	*	59 min	N/A	39 sec	
Selenium	•					
QBS-selenium	<u> </u>	<i>6</i>	58 min	1 hr 55 min	51 sec	

QBS - Cont.

Fill in the form and Trigger end to end tests.

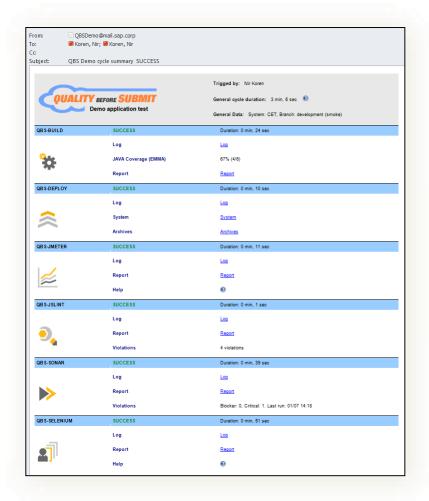
- No need to waste time on testing.
- Code is being checked before merge
- Running manually on-demand and not on-submit

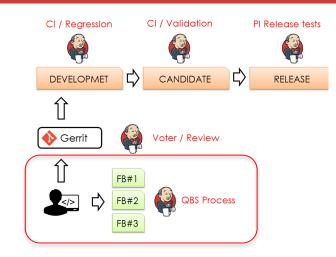


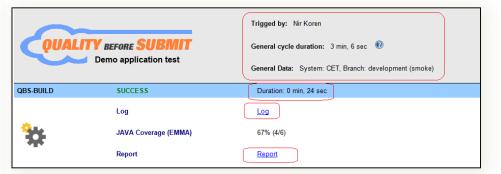


QBS - Cont.

Detailed report sent to the developer



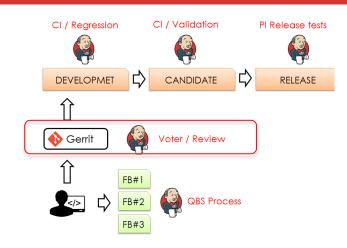


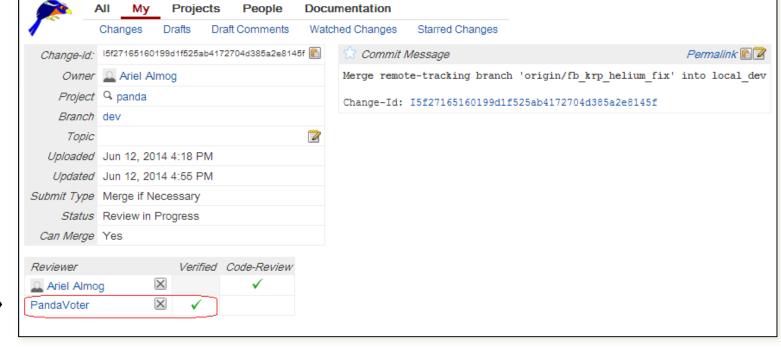


Gerrit as a Voter for Quality

CI Process with Jenkins Gerrit plugin

- Trigger full jobs chain (Tikal Multijob)
- Vote in Gerrit Admin page for result





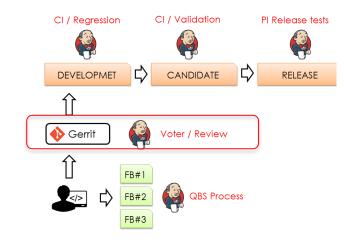




Gerrit cont.

Detailed report sent to the developer / Reviewer







Running type : ALL

Entire Status : FAILURE

CP Info: FAILURE (took 21 min, Built on: ILTLVL557)

UIS Info: FAILURE (took 19 min, Built on: ILTLVL085)

FLP OC Info: FAILURE (took 10 min, Built on: ILTLVL391)

Developer: Sapir Golan

Change Info: https://git.wdf.sap.corp:8080/544011

Description: Merge remote-tracking branch 'origin/fb_krp_automation' into local_dev_pen

"Quality On Submit" CI Process

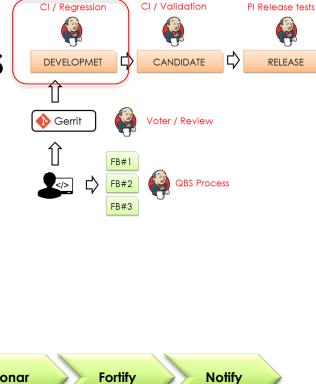
Continuous Integration process (On submit).

Unit Test

Nightly regression automation tests.

Deploy

Build

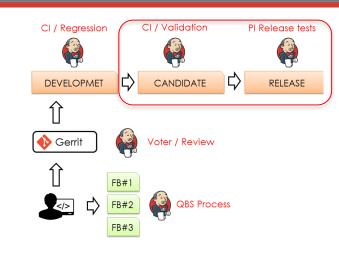




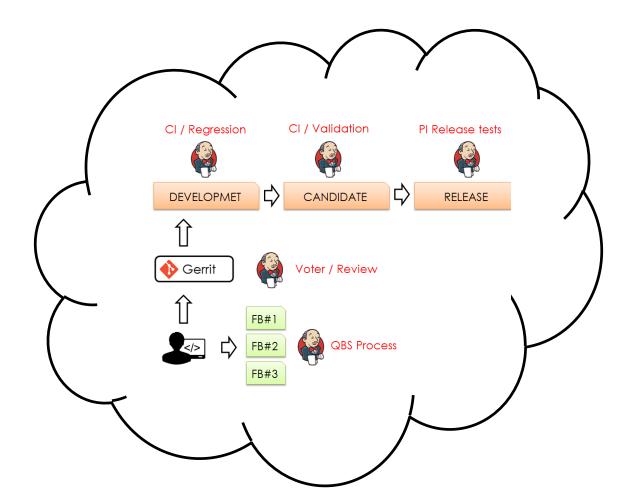


Release Candidate: Nightly validation tests

Released version: PI (Post Installation) tests



Everything is covered With Jenkins





Thank You To Our Sponsors

Platinum





Gold









Silver

