CI Self-Assessment details

Project Information:

Major Technology Stack	JAVA
Project Code	VPSSAVRM
Project SPOC	devaraj.damodharan@infosys.com
Project DM	chandrasekhar.g15
Project SQA	manikandan.d12
Devops Anchor	
Unit	ADM
Project Overview	Online application supporting Account reps, Service Managers to plan and track Financial Scores, Cus Scores. The application also helps Tier-1 / Tier-2 folks to trouble shoot customer issues/ concern
Team Composition	Team consists of 15 member DEV / Testing folks, consisting of SME's / Tech Leads / and Developers.
Project Technology	java
Master Customer Code	VERIZMST
Customer Code	BELL ATL

Tools Information:

	Tools Used	**Tools Recommended**
Source Control Mangement	GIT	
Application Lifecycle Management	SCRUM	
IDE	Eclipse	
CI Server	Jenkins	
Build	Maven	
DB Tools	Sql developer	
Code Review	GIT HUB	
Unit Testing	Sonar	
Code Analysis/Code Quality	Sonar	
Code Coverage	Sonar	
Artifact Repository	OneArtifactory	
Security Review	HP fortify	
Others		

CI Assessment Summary

S. No.	Phase	Selected rating	Reason for the rating
CI-0	**Automated/Auto triggered CI builds**	Build automatically invoked by CI	
CI-1	**Static Code quality checks**	Code quality checks automatically invoked by CI	
CI-2	**Code review**	Code review process integrated into CI and verified for completion before code is moved to next stage	
CI-3	**Versioning control system**	Configuration Mgmt. policy is implemented via tools. Version control should be setup in a way that it facilitates faster and selective build, multiple releases capabilities. Trunk based development with branches for releases. Merging is complete automated. *For Mainframe : Frequent Parallel development possible with features to constantly merge and integrate changes across environments in an automated manner.*	
CI-4	**Database changes deployment**	Database changes are deployed using tool and invoked by CI	
CI-6	**Unit testing**	Partially Automated Unit testing invoked by CI(50% to 90%)	

CI-7	Code coverage analysis	Fully Automated Code Coverage Analysis invoked by CI	
CI-8	Sources for binaries	Build Repository System Monitoring and Maintenance for Disk Usage, Snapshot control etc.	
CI-9	CI server	Every stage in development is gated through CI and feedback mechanism are integrated with CI	
CI-10	Build metrics gathered and analyzed	Build metrics gathered through CI process and reported on dashboard or through notifications.	

Continuous Deployment	
Please provide the details of Continuous Deployment practices implemented in the project (including deployment automation, environment provisioning, release management, monitoring, test automation (all phases), service virtualization etc.)	Code deployment has been through Jenkin job. that schedule to build and unit testing, Test automation, Version control and release management

CI Assessment rating   3.65

CI Maturity Stage   Crawl >> Walk >> **Run** >> Sprint