EUPOLCOPPS EU

"Rhoynar Software Consulting provided us with an DevOps pipeline solution based off of OpenStack framework - which streamlined our code review, checkin, testing and deployment efforts"

- Kristjan Paemurru, Director of Engineering, EUPOLCOPPS

Business Challenges:

Eupolcopps has a team of 30 developers who use internal git server to manage checkins. Primary challenge the team is facing is a lack of integrated code review and testing during their check-in pipeline.

They had looked at several solutions and wanted to go with OpenStack type of solution with integrated pipeline for JIRA, Code review (gerrit), branch management and a pre-flight test cycle prior to check-in.

Client also wanted to reuse as much of OpenStack framework as possible in order to keep their framework open and extensible to new enhancements.

Results:

A 6 week project with Rhoynar provided client with a complete DevOps solution with integrated bug tracking with JIRA, code review with Gerrit and unit and integration testing with Jenkins.

Configurable pipeline through Zuul framework whereby client could add additional hooks for various triggers.

An extensible solution to test several different projects with different pipelines and jobs.

Easy installation and handover for the project - the solution automatically creates the needed virtual machines and installs all required software on the client setup.

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Project Details:

Eupol Copps has a team of ~30 developers and wanted to setup a DevOps framework in place whereby checkins, testing and bug-fixes can be managed through one streamlined process. Their current operations involved a number of manual steps which Eupol Copps wanted to avoid.

- **Integrated JIRA within DevOps Pipeline**: Eupol Copps wanted to integrate JIRA hooks into DevOps pipeline whereby each commit (gerrit) can be tracked with a JIRA ticket number. Rhoynar's solution included a fully integrated JIRA implementation within the DevOps pipeline.

- **Integrate triggers for pre-flight and post-flight**: Eupol Copps wanted to run some Jenkins jobs *before* merging the gerrit to the main branch and few other Jenkins jobs *after* merging the gerrit. Rhoynar's DevOps pipeline solution included triggers and configurable Jenkins jobs for both pre-flight and post-flight.

- **Model the DevOps framework like OpenStack CI Infra**: Client wanted to model their CI infrastructure similar to OpenStack infrastructure. This way client can be up-to-date with latest enhancements in OpenStack. Rhoynar's solution is fully compatible and inter-operable with OpenStack CI infrastructure project.

- **Support for various workflows**: What happens when a code review is rejected by a peer? What happens if test job for a gerrit fails? What happens if the team lead decides a feature is not relevant anymore and wants to scrap a gerrit? These are the problems that are solved through the different workflows through Zuul framework. Rhoynar's solution included fixes for all such corner cases providing a fully functional DevOps pipeline setup.

For the past few months that EupolCopps has been using our DevOps solution - their deployment times have significantly been reduced and a lot of manual processes during testing have been eliminated. EupolCopps now has easy mechanism to keep track of their requirements, corresponding changes for those requirements and their latest status.

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Technologies:

Our Guarantee:

At Rhoynar, we believe in providing honest and exemplary customer service to our clients. We understand that the client may have hesitations in employing any consulting company for any internal project. *Will the solution meet all our needs? Do they really have the expertise and experience in delivering this solution? What if it is not extensible and requires constant upkeep? Will adequate training be provided to our staff after the project is over? What if the technologies they use become obsolete? Will they consultant have enough expertise in the said domains?*

We are confident that you would be absolutely delighted by our experienced team: they will use the latest technologies and come up with a robust and extendible solution in record time. They will perform a graceful handover of the project with ample continuous training sessions, documents and specifications and training videos. Our team will respond immediately if there are any questions, issues or bugs found during and after the project.

Call us now for a free discussion on how we can assist you with your automation needs.

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