

SCOPE OF WORK

SOW NO: 5 EFFECTIVE DATE: 5/28/21

**1. Detailed description of project to be accomplished by Cloud Operations Engineer:
Cloud Operations will provide Jonathan Ng and James Mandile for this SOW in
support of RIC's Tech Modernization project**

RIC is looking for staff augmentation assistance with their migration to AWS. RIC has defined some specific User Stories for the Cloud Consulting team to work on.

2. Deliverables to be produced by Cloud Operations Engineer

US774086

Connect to database from Jenkins. But, HCC requires no ports to be open. Define development environment access pattern (App Stream, Session Manager, RDP, etc.)

US766841

Migrate existing .NET based application that is deployed on HCPT using Bamboo to a Jenkins pipeline that would deploy on Optum cloud and not HCPT.

US773170

OAS has created a reporting tool. A Terraform module is needed to create the S3 bucket for the reports along with the right permissions applied

US774267

Fix API Gateway and Lambda connections. Work with AWS Consultant to present the issue to them and implement proposed fix

US773160 and US709749

Migration from HCPT to Optum Cloud. This would include conversion from Cloud Formation to Terraform and building of Jenkins deployment

US773161

Migration from Cloud Formation to Terraform

US773171

Enable application code to read config values from the environment at runtime and leverage Jenkins credentials to add the values to Lambda environment with Terraform.

US757538

RIC is building every time they deploy, no matter the environment that we're deploying to. Build out needs to be separated from the deployment and leverage Artifactory to store artifacts that can be used for deployment. Need some type of versioning with logic to decide which version to deploy US773161. Also, convert the Cloud formation to Terraform entirely.

US773165

Figure out what needs to change in Jenkinsfile so that it is compliant with RCA.

US773158

Much like the Aurora DB story, looking to write terraform to standup a Redis cache that is accessible by both the support forms and the API.

US754878

Some CC team shared modules are no longer supported. Migrate those modules to our codebase and start supporting. Move to community module if possible. If any forks, make sure those are using organization-level forks and not individual contributor

US673407

- New Relic is used to monitor and benchmark cloud applications. After moving over to HCC, hookup the RIC UI Forms to Optum's New Relic. The Optum integration should be the same or better than the HCPT integration.
 - Determine the complexity and story sequence of the work needed to migrate
 - Understand the differences and gaps between HCPT and Optum New relic
 - If possible, add more detailed benchmarking. HCPT's New Relic account did not have this capability

3. Estimated date of completion for each deliverable

6/30/21

4. SOW validity

All deliverables accepted per RIC Features/Stories on Rally or the estimated date of completion per #3

5. Time spent on meetings

Status/Planning Meetings, 2 hours a week

SOW Created By: Kushal Naidu

SOW Created Date: 5/25/21

SOW Accepted By:

SOW Accepted Date: