



The Cloud Capability Integrations Technical Initiative

(CITI) project aims to provide cloud native services that increase our Mission Owner's ability to deliver secure applications/services at a higher velocity.

To learn more and to discuss how Cloud CITI can be a solution for you, please contact the Cloud CITI team at

CloudCITI@us.navy.mil

Summary

DC2HS has developed capabilities that can be applied to Mission Owner environments in AWS. These capabilities reduce resource load, and human error for STIG compliance, ATO requirements and environment management:

1. Automated image STIGing via scripts

Cloud CITI team deploys method for deploying hardened images to autoscaling groups and/or CFTs via continuous application of STIGs to base AMIs. Currently supports Amazon Linux 2 and RHEL 7 but we can expand this capability to RHEL 8 if requested.

2. Password rotation (EC2 and RDS)

Cloud CITI team deploys script which applies a new password to EC2 and RDS instances every 59 days and puts the new password in AWS secrets manager. Passwords can include ssh keys for linux-based instances.

3. SSL certificate expiration

Cloud CITI team deploys script which checks for SSL/TLS certificates with expiry dates upcoming (30 days). This script requires certificates to be stored in certificate manager.

4. IP list generation for ACAS

Cloud CITI team deploys script which generates a list of all EC2 instance IPs in the AWS account. Script sends them via email to specified recipients using AWS SNS topics. This offering is aimed at systems which use autoscaling and have changing system IPs.

5. MDE health check

Cloud CITI team deploys script which checks each EC2 instance for MDE health status as "healthy". This output does not count as proof of MDE but it will monitor instances for unhealthy MDE.

6. License expiration check

Cloud CITI team deploys script which monitors for when licenses expire. Script sends emails 100 days before expire date and sends emails daily until license is updated.

These offerings are separate from the Cloud CITI offerings listed in the service catalog. Each offering will require professional service hours for initial deployment. Each deployment would then be maintained by Mission Owners. However, additional support is available via professional service hours. If you are interested in any of these capabilities, please reach out to CloudCITI@us.navy.mil