



HIDS Private AWS Certificate Management

Intended Audience:

All QualityNet Amazon Web Services (AWS) Multi-Tenant and Single-Tenant Application Development Organizations (ADOs)

What's Happening and When?

As of 9/15/2022, QualityNet ADOs can use the HIDS Centralized Private Certificate Management tool for private certificate management. HIDS Centralized Private Certificate Management uses AWS Certificate Manager, AWS Private Certificate Authority, and AWS Organizations to create and share a private Certificate Authority (CA) to sign internal certificates for the QualityNet Cloud environment. This private CA is available to all local ADO accounts via the AWS Resource Access Manager (RAM) share.

What to Expect:

- The Certificate Authority hierarchy is contained within the HIDS Shared Services accounts, not the LOB ADO accounts.
- HIDS only shares the ability to create, manage, bind, and export certificates from the Certificate Authority hierarchy.
- ADOs can create certificates through the ACM console, CLI, API, or AWS CloudFormation.
- Centrally managed resources, like privately issuing Certificate Authority with accounts in the QualityNet Cloud, can now be managed with AWS Resources Access Manager (RAM).

The AMI released on 9/12/2022 has certificate stores updated for private Certificate Authority; the Windows AMI was updated on 9/15/2022.

Resources:

- Using the most recent AMI will update the certificate stores. Instructions for generating a private certificate can be found at: [Generating a Private Certificate](#)
- ADOs not rebuilding infrastructure will have to update certificate stores themselves. Documentation and instructions on how to update certificate stores can be found at: [Updating CA Certificate Trust Stores](#)
- Additional information, including the infrastructure design, can be found on Confluence: [HIDS Private AWS Certificate Management](#)

Why the Change?

- The process for obtaining private certificate authority within QualityNet was cumbersome and manual.
- HIDS Private AWS Certificate Management provides a centralized self-service option for getting the appropriate SSL certifications that can be used within QualityNet.
- The HIDS Private AWS Certificate Management supports the QualityNet encryption in transit requirement.
- In addition, the cost of the private Certificate Authority hierarchy is centrally controlled and monitored, eliminating cost-sharing across LoB ADOs.

What If There is an Issue?

Please open a ServiceNow ticket or contact support via the [#hids-clouddevops-support](#) Slack channel.

If you need additional information, contact us:

Phone: 1-866-288-8914
Slack: [#help-service-center-sos](#)

Save time. Submit and Track your ticket!

VISIT CCSQ Support Central 

Email: ServiceCenterSOS@cms.hhs.gov

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