

TCCC PKI Operations Guide

TCCC PKI Operational Guide



Use and Disclosure of Data

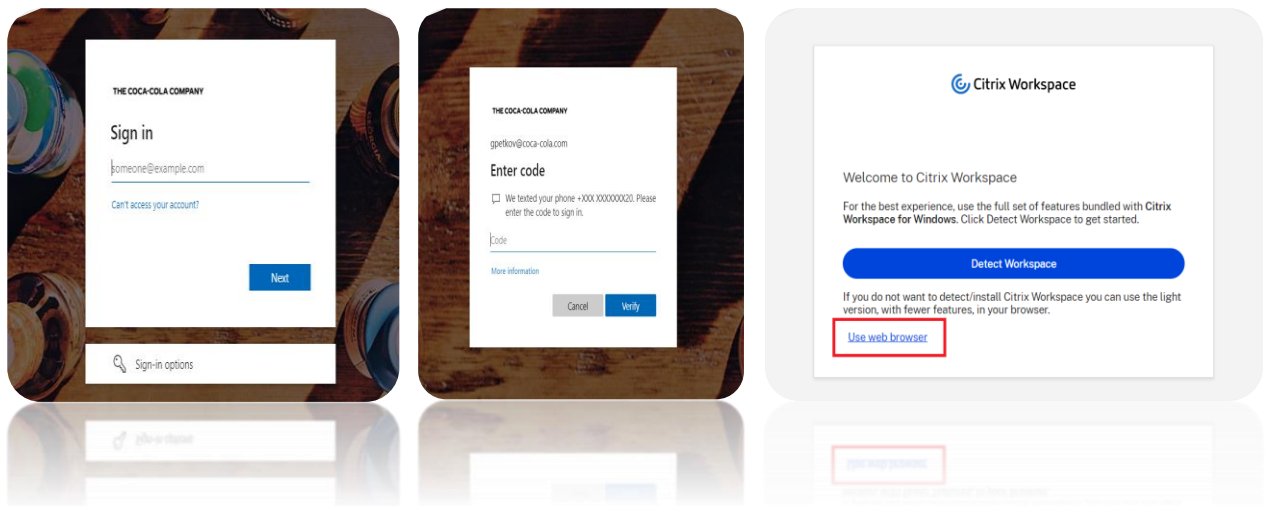
This document is confidential and is not to be disclosed outside of 10Pearls or The Coca-Cola Company.

Setting Up Citrix Workspace

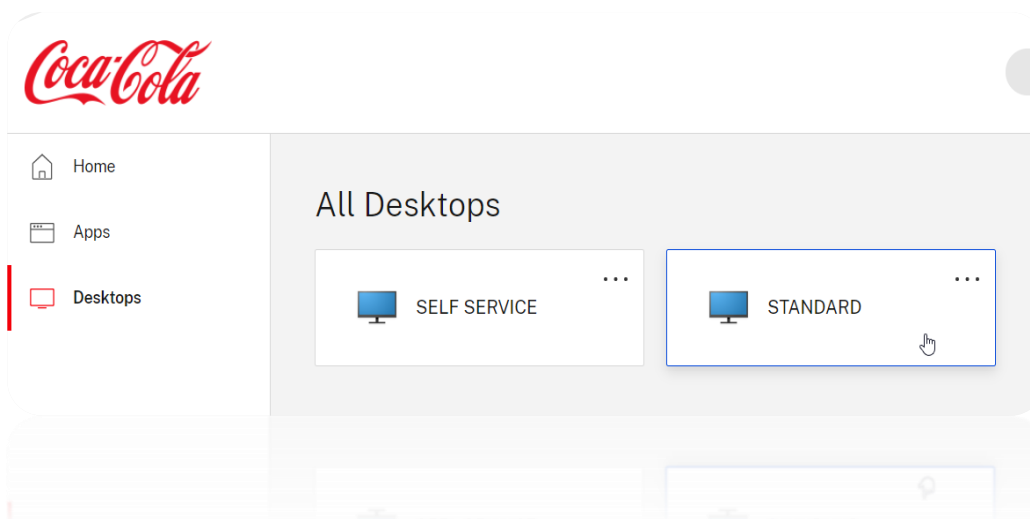
Connecting to Citrix Cloud VDI - Web browser only

Step 1 : In Web browser navigate and login to <https://tcccvgdi.cloud.com/>

{ Log in with KO Email & Password } { MFA by SMS or Authenticator App } { Select “Use web browser” }



Step 2: Launch your Server and you are good to go!

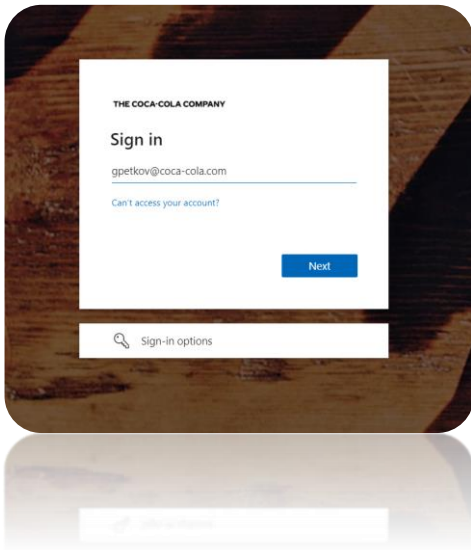


Connecting to Citrix Cloud VDI - Using Citrix Workspace

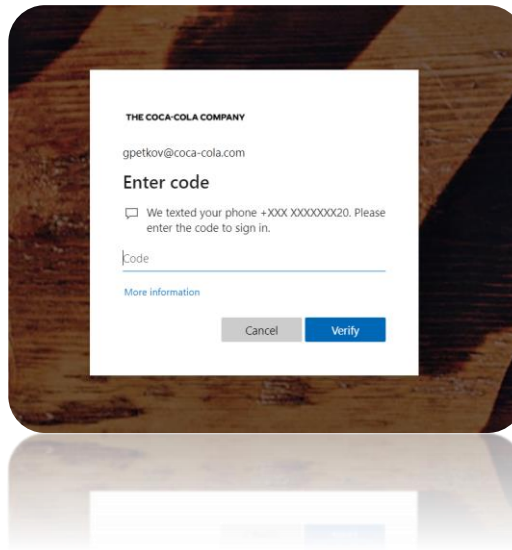
Step 1: Download and install Citrix Workspace on your device - Citrix Workspace App Downloads - <https://www.citrix.com/downloads/workspace-app/>

Step 2: In Web browser navigate and login to <https://tcccvgdi.cloud.com/>

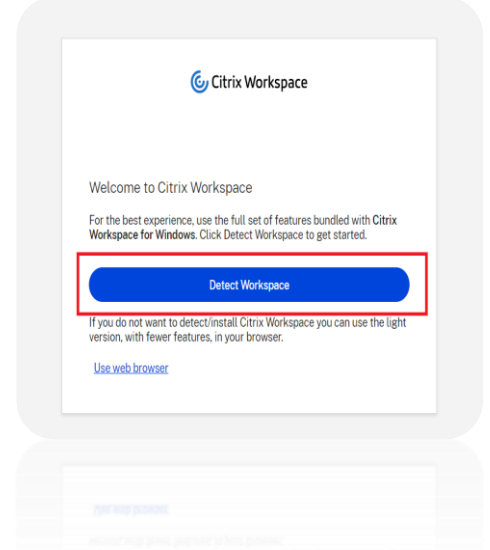
Log in with KO Email & Password



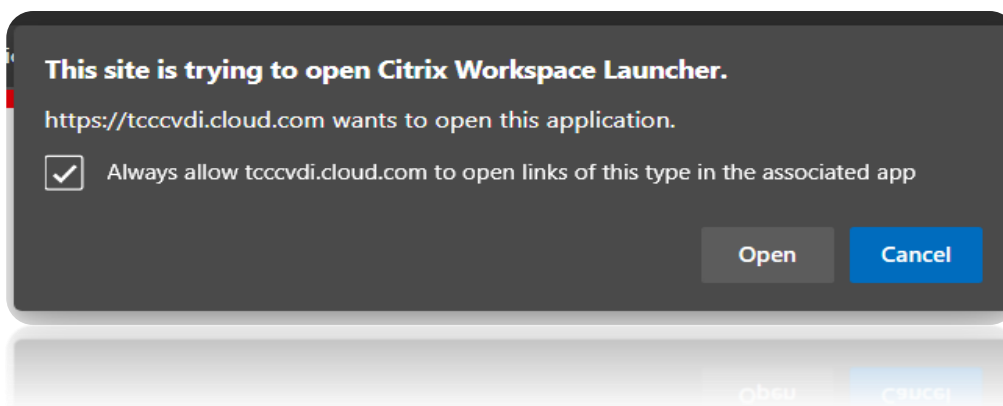
MFA by SMS or Authenticator App



Select "Detect Workspace"

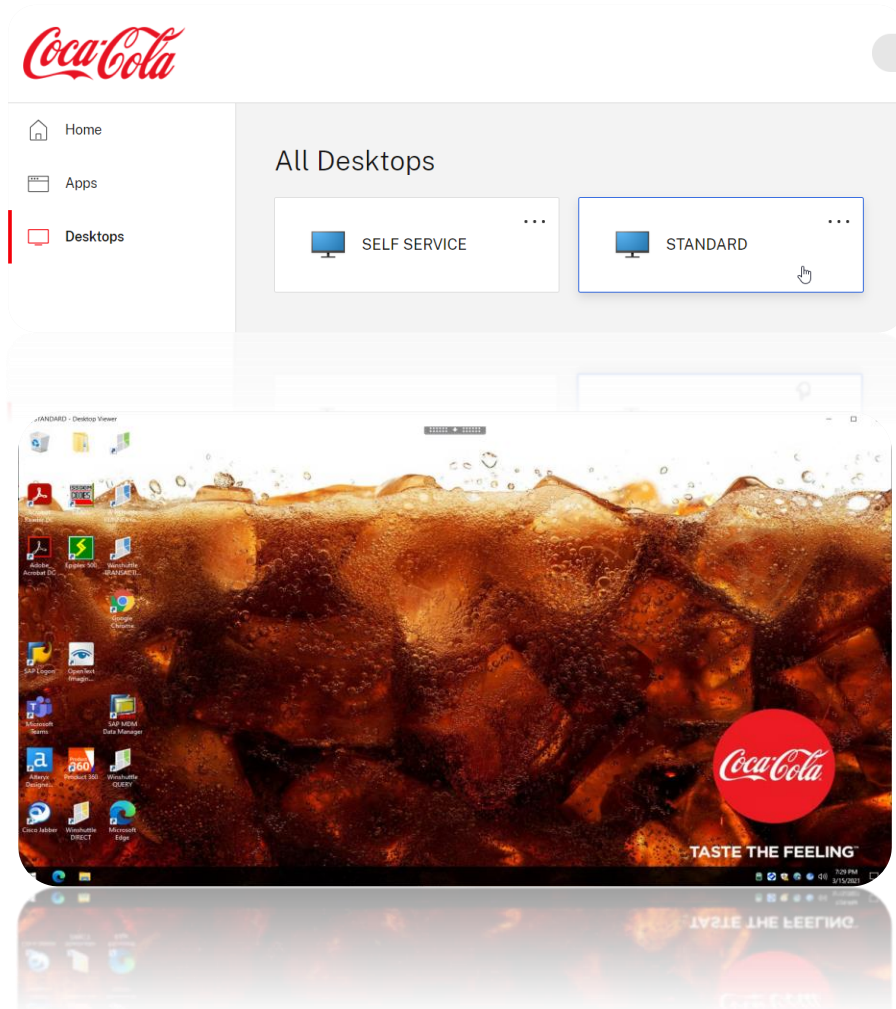


Tick and allow browser to start Citrix Workspace each time





Step 3: Launch your desktop



Download Workspace configuration file from there and start working with CITRIX Workspace App

<https://tccvdi.cloud.com/Citrix/StoreWeb/#/settings/advanced>

Download Workspace Configuration

Add the workspace URL and other configuration details to the Workspace app on your device.



You must have Citrix Workspace installed to use the configuration file. [Download Workspace app](#)

[Download configuration file](#)

Download and open the file, then click **Add** to update the Workspace app.

Download and open the file, then click **Add** to update the Workspace app.

--End of the Installations

Coca-Cola Activities:

We performed Coca-Cola activates twice in a day, one at 4am and other at 4pm.

- 1- We send email to client from Monday to Friday.
- 2- Saturday and Sunday we only send email internally at devops@10pearls.com.
- 3- Screenshots of the activities which we performed on daily basis and will only send at devops@10pearls.com for our own records.

To Begin with Activities:

- 1- We have 2 environments i.e., Prod servers and Pre-Prod Servers.
- 2- In Both environments the total number of the servers are 37 from Central US and East US respectively.

Manual Checks

While standard server and service monitoring exists for the Coca-Cola Company's PKI environment per the TCCC PKI Design Document (including Microsoft System Center components and SNMP), the following list of regular checks and maintenance items should be performed daily by the PKI Operations Team.

Daily manual tasks consist of connectivity tests, event log checking, CRL checking, and HSM connectivity checking that are performed to ensure that the servers, web interfaces, and certificate services are functional.

If any of these checks do not result in the expected outcome, create and file an incident per the section "Creating Incidents" below. Assign the incident to Peter Hesse (o44419). Additionally, reach out directly to indicate that there is an issue by email (tccc-pki-support@10pearls.com).

Over time this document will be updated to provide additional information about how to diagnose and resolve these issues but at first, establishing these incidents allows us to make changes to the systems to resolve any issues

Start with Production Environment

From Central Location Prod Enrollment Server 1 - zwppkia0001

- **Go to Start Menu bar and type PKIVIEW.MSC** – Once PKIVIEW.MSC opened, check all the certificate are in **OK** status
- If any CA status shown as **ERROR**, then we need to troubleshoot accordingly
- **Type Services in search box** – Services will be opened, check **NFast** and **World Wide Web Services**, both services should be in running state.
- **Type Event Viewer in search box** - Event Viewer will be opened. In Custom we need to check filters for **System** and **Application** Check filters.
 - **Logged** – Last 24 hours
 - **Event Level** – Make sure to checked on Critical, Warning and Error
 - **By Source** - CertificateServicesClientAutoEnrollment
 - **Event ID** - 6,13

Go to CMD, Go to this path C:\Program Files (x86) \nCipher\ncfast\bin>
and run the command **nfkminfo** and then hit enter and make sure all 2 modules should be OK in status, else we need to troubleshoot accordingly.

Go to RUN and Type CMD go to the path E:\tools\openssl-1.0.2o-x64_86-win64>
and run these requests and check all requests status are in OK else we need to troubleshoot and fix. These batch files are for Prod OCSP.

- **TestOCSP1.bat**
- **TestOCSP2.bat**
- **TestOCSP3.bat**
- **TestOCSP4.bat**
- **TestLB1.bat**
- **TestLB2.bat**

NOTE - From the same path you can also check OCSP's Status for Pre-Prod by Running the mentioned below batch files name.

- **TestTestOCSP1.bat**
- **TestTestOCSP2.bat**
- **TestTestOCSP3.bat**
- **TestTestOCSP4.bat**
- **TestTestLB1.bat**
- **TestTestLB2.bat**

Prod Issuing CA 1 - zwppkia0002

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ **CertSvc**
 - ✓ **nFast Server**
- **Type Event Viewer in Search Box and hit enter.**

In Custom we need to check filters for **System** and **Application** Check filters.

- **Logged – Last 24 hours**
- **Event Level – Make sure to checked on Critical, Warning and Error**
- **By Source – Certification Authority**
- **Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31,32, 33, 786, 789, 794, 795, 796, 800,801.**

Type CMD in search box and go to this path C:\Program Files (x86)
 \nCipher\nfast\bin> as need to check some Ip to be responded

Anonkneti 10.114.128.11

Anonkneti 10.114.130.11

Anonkneti 10.114.160.11

Prod Issuing CA 2 - zwppkia0003

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ **CertSvc**
 - ✓ **nFast Server**
- **Type Event Viewer in Search Box and hit enter. In**
 Custom we need to check filters for **System** and **Application** Check filters.
 - **Logged – Last 24 hours**
 - **Event Level – Make sure to checked on Critical, Warning and Error**
 - **By Source – CertificationAuthority**
 - **Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801**

Prod Issuing CA 3 - zwppkia0004

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ CertSvc
 - ✓ nFast Server
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
 - Logged – Last 24 hours
 - Event Level – Make sure to checked on Critical, Warning and Error
 - 15- By Source – CertificationAuthority
 - 16- Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Prod OCSP 1 - zwppkia0005

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ nFast Server
 - ✓ W3SVC
 - ✓ OcspSvc ✓
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
 - Logged – Last 24 hours
 - Event Level – Make sure to checked on Critical, Warning and Error
 - By Source - nCipherCSP, nCipherCSP, Online Responder, OnlineResponderRevocationProvider,

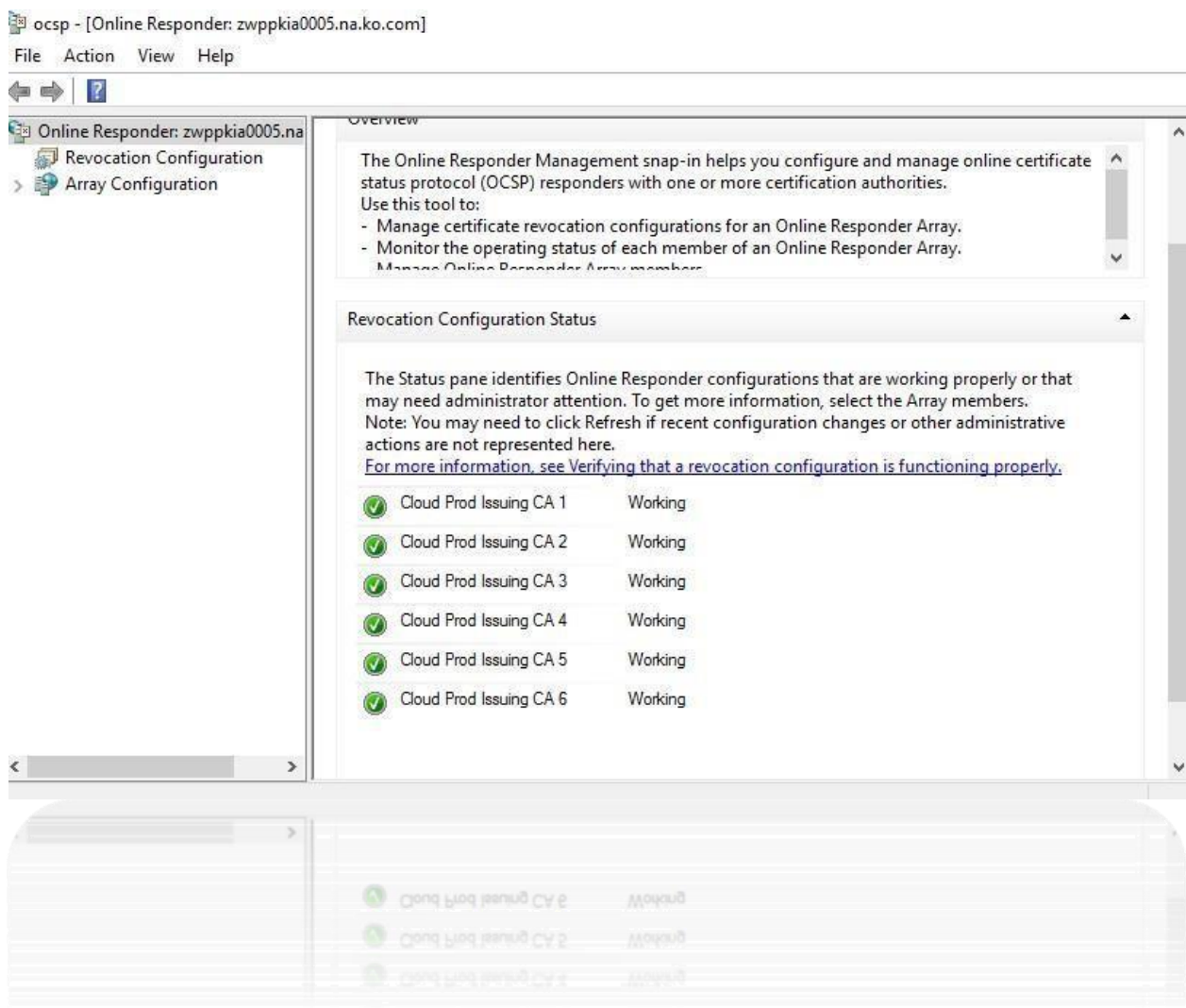
OnlineResponderWebProxy

- Event ID -

16,17,18,20,21,22,23,25,26,27,29,31,33,34,35

Type Online Responder in Search Box and hit enter.

Make sure all revocation Configuration status show as **GREEN** else we need to troubleshoot

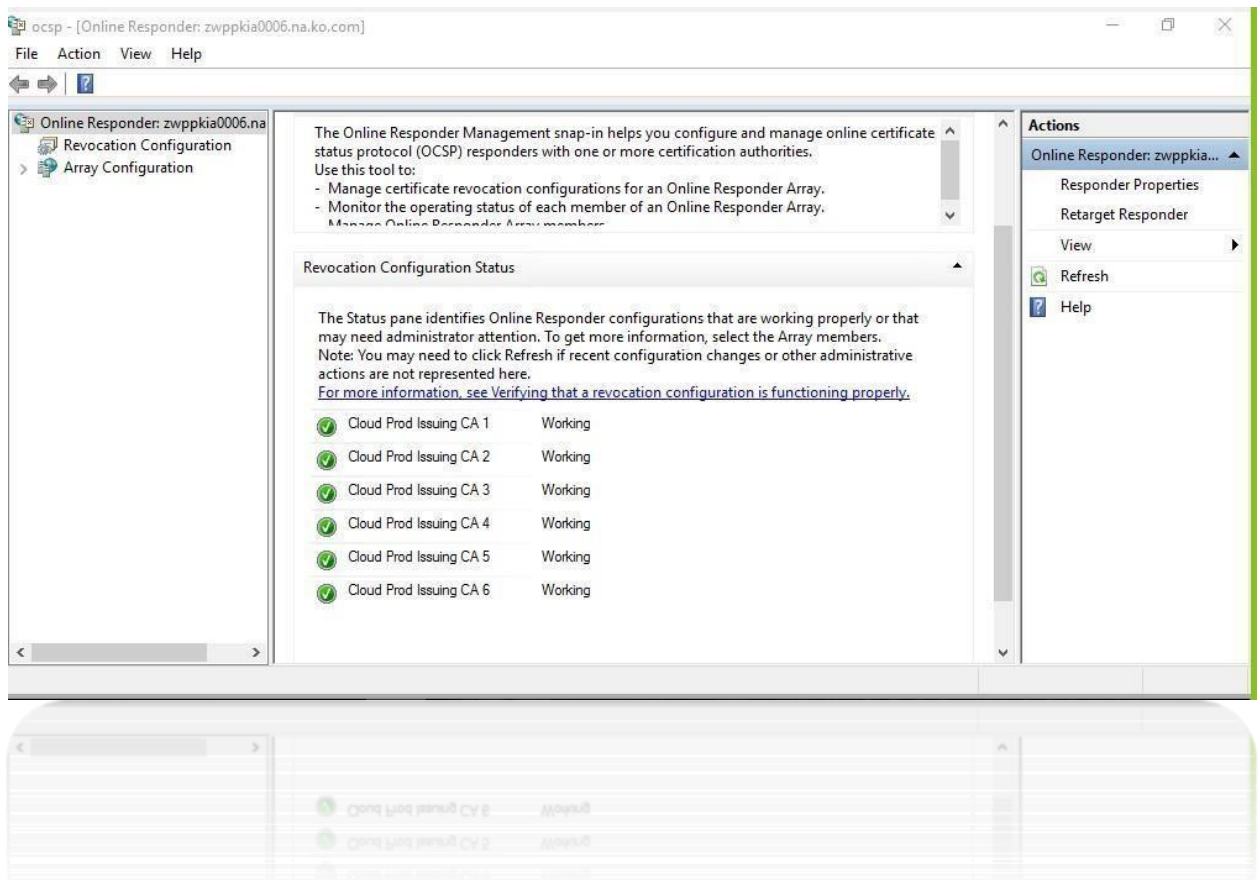


Prod OCSF 2 - zwppkia0006

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ nFast Server
 - ✓ W3SVC
 - ✓ OcsfSvc ✓
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
 - Logged – Last 24 hours
 - Event Level – Make sure to checked on Critical, Warning and Error
 - By Source – nCipher CSP, nCipherCSP, OnlineResponder,
 - OnlineResponderRevocationProvider,
 - OnlineResponderWebProxy
 - Event ID-
 - 16,17,18,20,21,22,23,25,26,27,29,31,33,34,35

Type OnlineResponder in Search Box and hit enter.

Make sure all revocation Configuration status show as **GREEN** else we need to troubleshoot



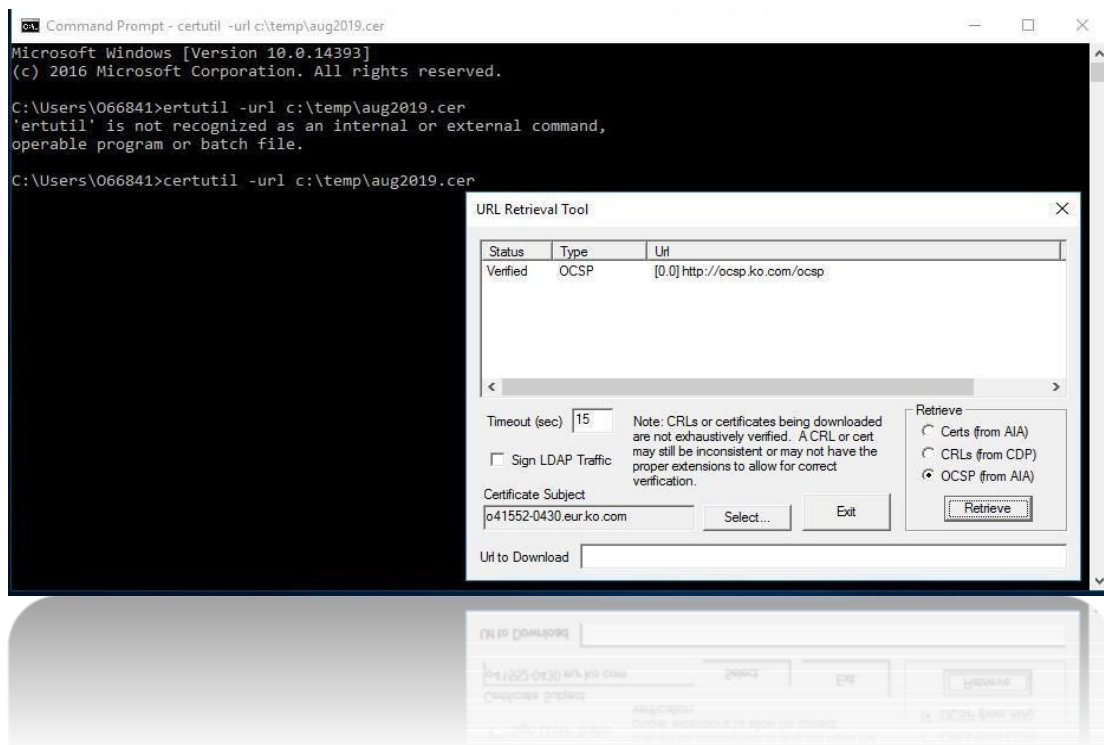
Prod Web Server 1 - zwppkia0007

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
✓ W3SVC
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
 - Logged – Last 24 hours
 - Event Level – Make sure to checked on Critical, Warning and Error
 - By Source – CertificationAuthorityClient-CertCli

- Event ID- 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Prod Venafi 1 - zwppkia0015

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ VenafiLogServer
 - ✓ VED
- Type CMD in Search box and hit enter.
- **C:\Users\O51950>certutil -url c:\temp\aug2019.cer** go to this path and hit enter.
- A URL retrieval tool will be opened, and you need to check OCSP from AIA from the retrieval section right below from the box and it will show the verified status.



Prod Venafi 2 - zwppkia0016

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ **VenafiLogServer**
 - ✓ **VED**

Prod Venafi DB - zwppkid0017

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ **MSSQLSERVER**
 - ✓ **SQLSERVERAGENT**

From Central Location Prod Enrollment Server 2 - zwppkia0008

- **To go Search Box and type PKIVIEW.MSC** – Once PKIVIEW.MSC opened, check all the certificate are in **OK** status
- If any CA status shown as **ERROR**, then we need to troubleshoot accordingly
- **Type Services in search box** – Services will be opened, check **nfast** and **World Wide Web Services**, both services should be in running state.
- **Type Event Viewer in search box - Event Viewer** will be opened. In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical, Warning and Error

By Source - CertificateServicesClient-AutoEnrollment
Event ID - 6,13

Prod Issuing CA 4 - zwppkia0009

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ CertSvc
 - ✓ SafeNet Remote Pin Entry Device
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
 - Logged** – Last 24 hours
 - Event Level** – Make sure to checked on Critical, Warning and Error
 - By Source** – CertificationAuthority
 - Event ID** - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and run the below go to the below path and hit enter

"c:\Program Files\SafeNet\LunaClient\vtl" verify

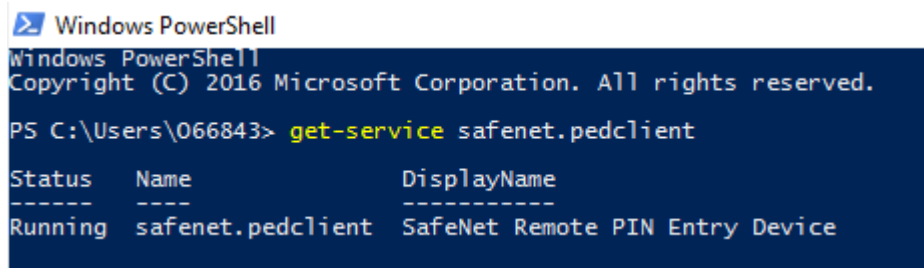
```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331002110013	TCCNonProdOnlineCA-M
-	1331002110013	TCCNonProdOnlineCA-E

Open PowerShell and type Get-Service safenet.pedclient and hit enter , your results should be like .



```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name                DisplayName
-----
Running     safenet.pedclient   SafeNet Remote PIN Entry Device
```

Prod Issuing CA 5 - zwppkia0010

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ **CertSvc**
 - ✓ **SafeNet Remote Pin Entry Device**
- **Type Event Viewer in Search Box and hit enter. In**
 - Custom we need to check filters for **System** and **Application** Check filters.
 - Logged** – Last 24 hours
 - Event Level** – Make sure to checked on Critical, Warning and Error
 - By Source** – CertificationAuthority
 - Event ID** - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and run the below go to the below path and hit enter

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

Open PowerShell and type Get-Service safenet.pedclient and hit enter , your results should be like .

```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name             DisplayName
-----
Running     safenet.pedclient SafeNet Remote PIN Entry Device
```

Prod Issuing CA 6 - zwppkia0011

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ CertSvc
 - ✓ SafeNet Remote Pin Entry Device
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
 - Logged** – Last 24 hours
 - Event Level** – Make sure to checked on Critical, Warning and Error
 - By Source** – CertificationAuthority**Event ID** - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and Paste the mentioned command.

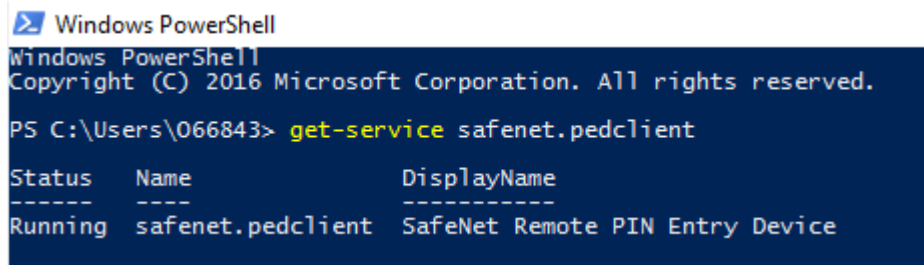
"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.

The following Luna SA Slots/Partitions were found:

Slot      Serial #          Label
====      =====          =====
-         1332752622717    TCCNonProdOnlineCA-E
-         1331905119017    TCCNonProdOnlineCA-W
```

Open PowerShell and type Get-Service safenet.pedclient and hit enter , your results should be like .



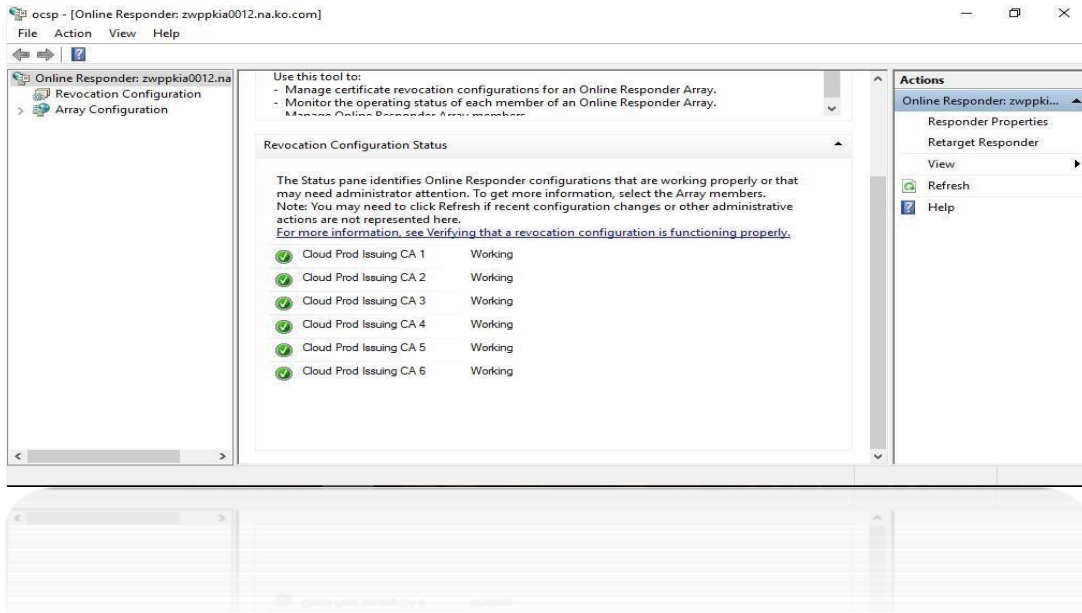
```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name            DisplayName
-----
Running     safenet.pedclient SafeNet Remote PIN Entry Device
```

Prod OCSP 3 - zwppkia0012

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ nFast Server
 - ✓ W3SVC
 - ✓ OcspSvc ✓
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
 - Logged** – Last 24 hours
 - Event Level** – Make sure to checked on Critical, Warning and Error
 - By Source** – nCipher CSP, nCipherCSP, OnlineResponder, OnlineResponderRevocationProvider, OnlineResponderWebProxy
 - Event ID**-16,17,18,20,21,22,23,25,26,27,29,31,33,34,35Type OnlineResponder in Search Box and hit enter. Make sure all revocation Configuration status show as **GREEN** else we need to troubleshoot



Prod OCSP 4 - zwppkia0013

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ nFast Server
 - ✓ W3SVC
 - ✓ Ocspsvc
- Type Event Viewer in Search Box and hit enter. In

Custom we need to check filters for **System** and **Application Check** filters.

Logged – Last 24 hours

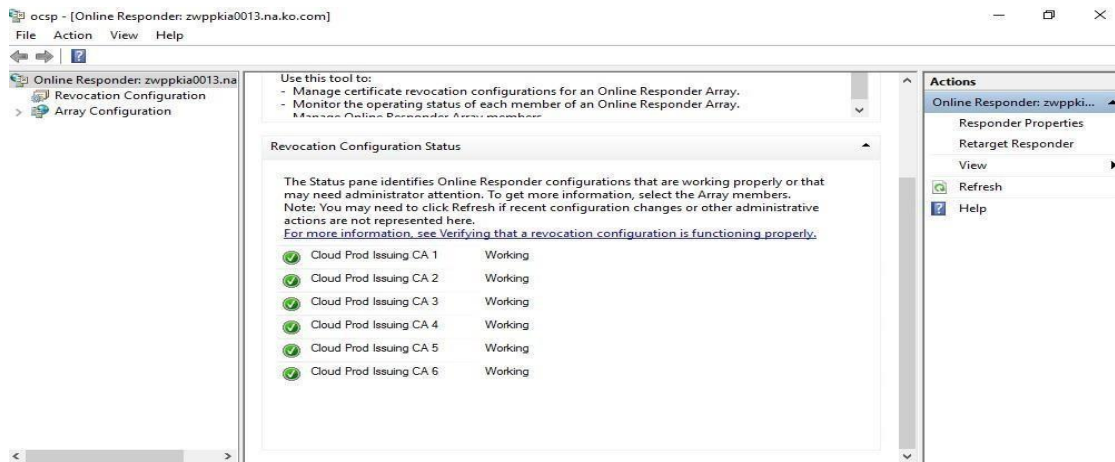
Event Level – Make sure to checked on Critical, Warning and Error

By Source – nCipher CSP, nCipherCSP, OnlineResponder, OnlineResponderRevocationProvider, OnlineResponderWebProxy

Event ID-16,17,18,20,21,22,23,25,26,27,29,31,33,34,35

Type OnlineResponder in Search Box and hit enter. Make sure all

revocation Configuration status show as **GREEN** else we need to troubleshoot



Prod Web Server-2 Zwppkia0014

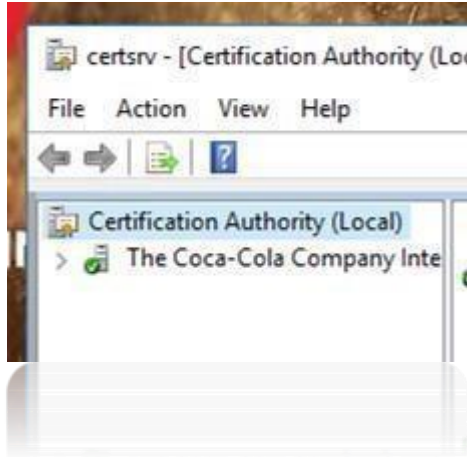
- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state

✓ W3SVC

- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
Logged – Last 24 hours
Event Level – Make sure to checked on Critical, Warning and Error
By Source – CertificationAuthorityClient-CertCli
Event ID- 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Important Checks

We need to ensure that the certsrv service is running on every CA [Ca1 to ca6] when we do our daily checks. Manually looking for the green checkmark



Check thi command over TestCA1 – TestCA6 [Total 6 servers]
Type : `sc query "certsvc" | find "RUNNING"`

```
C:\Users\044419>sc query "certsvc" | find "RUNNING"
STATE                : 4  RUNNING
```

(If you don't see the "STATE: 4 RUNNING" it means it isn't.)

Start with Pre- Production Environment

From East Location

Dev Enrollment Server 1 - zwdpkia0001

To go Search Box and type PKIVIEW.MSC – Once PKIVIEW.MSC opened, check all the certificate are in **OK** status

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - **World Wide Web Services**
 - **SafeNet Remote Pin Entry Device**

Type Event Viewer in seachbox - EventViewer will be opened . In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical , Warning and Error

By Source - CertificateServicesClient-AutoEnrollment

Event ID - 6,13

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and check the below mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
----	-----	-----
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331002110013	TCCNonProdOnlineCA-M
-	1331002110013	TCCNonProdOnlineCA-E

Open PowerShell and type the mentioned services over the same server

```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name                DisplayName
-----
Running     safenet.pedclient   SafeNet Remote PIN Entry Device
```

Test Enrollment Server 1 - zwtpkia0001

To go Search Box and type PKIVIEW.MSC – Once PKIVIEW.MSC opened, check all the certificate are in **OK** status

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state

- World Wide Web Services
- SafeNet Remote Pin Entry Device

Type Event Viewer in Search box - Event Viewer will be opened. In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical, Warning and Error

By Source - CertificateServicesClient-AutoEnrollment.

Event ID - 6,13

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and type the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
----	-----	----
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331002110013	TCCNonProdOnlineCA-M
-	1331002110013	TCCNonProdOnlineCA-E

Open PowerShell and type the mentioned services on same server

```
Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name                DisplayName
-----
Running     safenet.pedclient   SafeNet Remote PIN Entry Device
```

Dev Issuing CA 1 - zwdpkia0002

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state

➤ CertSVC

➤ SafeNet Remote Pin Entry Device

Type Event Viewer in Search box - Event Viewer will be opened. In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical, Warning and Error

By Source - Certification Authority

Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800, 801

Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800, 801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and type the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331002110017	TCCNonProdOnlineCA-M
-	1331002110017	TCCNonProdOnlineCA-E

Open PowerShell and type the mentioned services on same server

```
Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name                DisplayName
-----      -
Running     safenet.pedclient  SafeNet Remote PIN Entry Device
```

Dev Issuing CA 2 - zwdpkia0003

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - CertSVC
 - SafeNet Remote Pin Entry Device

Type Event Viewer in search box - Event Viewer will be opened . In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical , Warning and Error

By Source - Certification Authority

Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800, 801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and type the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331002110013	TCCNonProdOnlineCA-M
-	1331002110013	TCCNonProdOnlineCA-E

Open PowerShell and type the mentioned services on server

```
Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name                DisplayName
-----      -
Running     safenet.pedclient   SafeNet Remote PIN Entry Device
```

Dev Issuing CA 3 - zwdpkia0004

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state

➤ CertSVC

➤ SafeNet Remote Pin Entry Device

Type Event Viewer in search box - Event Viewer will be opened. In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical, Warning and Error

By Source - Certification Authority

Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800, 801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and type the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify


```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331002110013	TCCNonProdOnlineCA-M
-	1331002110013	TCCNonProdOnlineCA-E

Open PowerShell and type the mentioned services on same server

```
Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status  Name                DisplayName
-----
Running safenet.pedclient SafeNet Remote PIN Entry Device
```

Dev Issuing CA 3 - zwdpkia0004

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - CertSVC
 - SafeNet Remote Pin Entry Device

Type Event Viewer in search box - Event Viewer will be opened . In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical, Warning and Error

By Source - Certification Authority

Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800, 801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and type the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331002110011	TCCNonProdOnlineCA-M
-	1331002110011	TCCNonProdOnlineCA-E

Open PowerShell and grab the mentioned services on same server

```
Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name                DisplayName
-----
Running     safenet.pedclient   SafeNet Remote PIN Entry Device
```

Test Issuing CA 1 - zwtpkia0002

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ CertSvc
 - ✓ SafeNet Remote Pin Entry Device
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
 - 33- Logged – Last 24 hours
 - 34- Event Level – Make sure to checked on Critical, Warning and Error
 - 35- By Source – Certification Authority
 - 36- Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and type the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCCNonProdOnlineCA-E
-	1331905119017	TCCCNonProdOnlineCA-W

-	1331002110017	TCCCNonProdOnlineCA-M
-	1331002110017	TCCCNonProdOnlineCA-E

Open PowerShell and type the mentioned services on same server

```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name                DisplayName
-----
Running     safenet.pedclient   SafeNet Remote PIN Entry Device
```

Test Issuing CA 2 - zwtpkia0003

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ CertSvc
 - ✓ SafeNet Remote Pin Entry Device
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
 - 37- **Logged** – Last 24 hours
 - 38- **Event Level** – Make sure to checked on Critical, Warning and Error
 - 39- **By Source** – Certification Authority
 - 40- **Event ID** - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and type the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify  
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCCNONProdOnlineCA-E
-	1331905119017	TCCCNONProdOnlineCA-W

-	133170021170017	TCCCNONProdOnlineCA-M
-	1331123055117	TCCCNONProdOnlineCA-E

Open PowerShell and type the mentioned services on same server

```
Windows PowerShell  
Windows PowerShell  
Copyright (C) 2016 Microsoft Corporation. All rights reserved.  
  
PS C:\Users\066843> get-service safenet.pedclient  
  
Status      Name              DisplayName  
-----      -  
Running     safenet.pedclient SafeNet Remote PIN Entry Device
```

Test Issuing CA 3 - zwtpkia0004

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ CertSvc
 - ✓ SafeNet Remote Pin Entry Device
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.

41- Logged – Last 24 hours

- 42- Event Level** – Make sure to checked on Critical, Warning and Error
- 43- By Source** – Certification Authority
- 44- Event ID** - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and type the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331002110017	TCCNonProdOnlineCA-M
-	1331002110017	TCCNonProdOnlineCA-E

Open PowerShell and type the mentioned services on same server

```
Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name                DisplayName
-----
Running     safenet.pedclient   SafeNet Remote PIN Entry Device
```

Test OCSF 1 - zwtpkia0005

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ SafeNet Remote Pin Entry Device
 - ✓ W3SVC
 - ✓ Ocspsvc

- Type Event Viewer in Search Box and hit enter. In

Custom we need to check filters for **System** and **Application** Check filters.

45- **Logged** – Last 24 hours

46- **Event Level** – Make sure to checked on Critical, Warning and Error

47- **By Source** – nCipher CSP, nCipherCSP, OnlineResponder, OnlineResponderRevocationProvider, OnlineResponderWebProxy

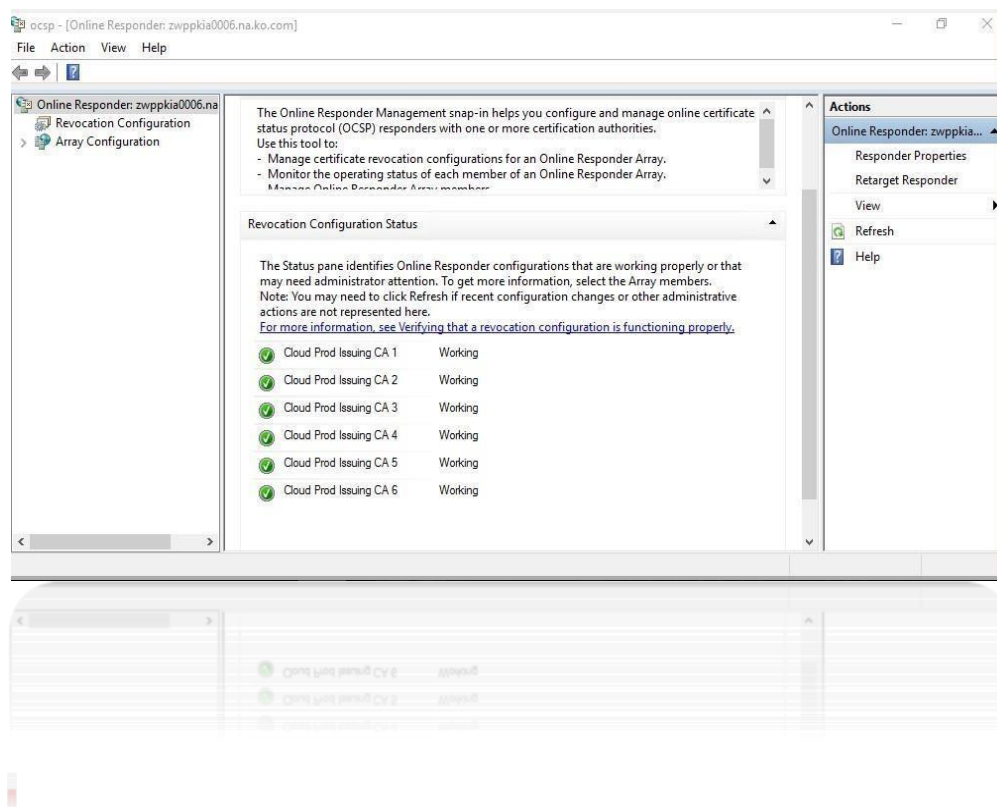
48- Event ID-

16,17,18,20,21,22,23,25,26,27,29,31,33,34,35 □

Type Online Responder in Search Box and hit enter.

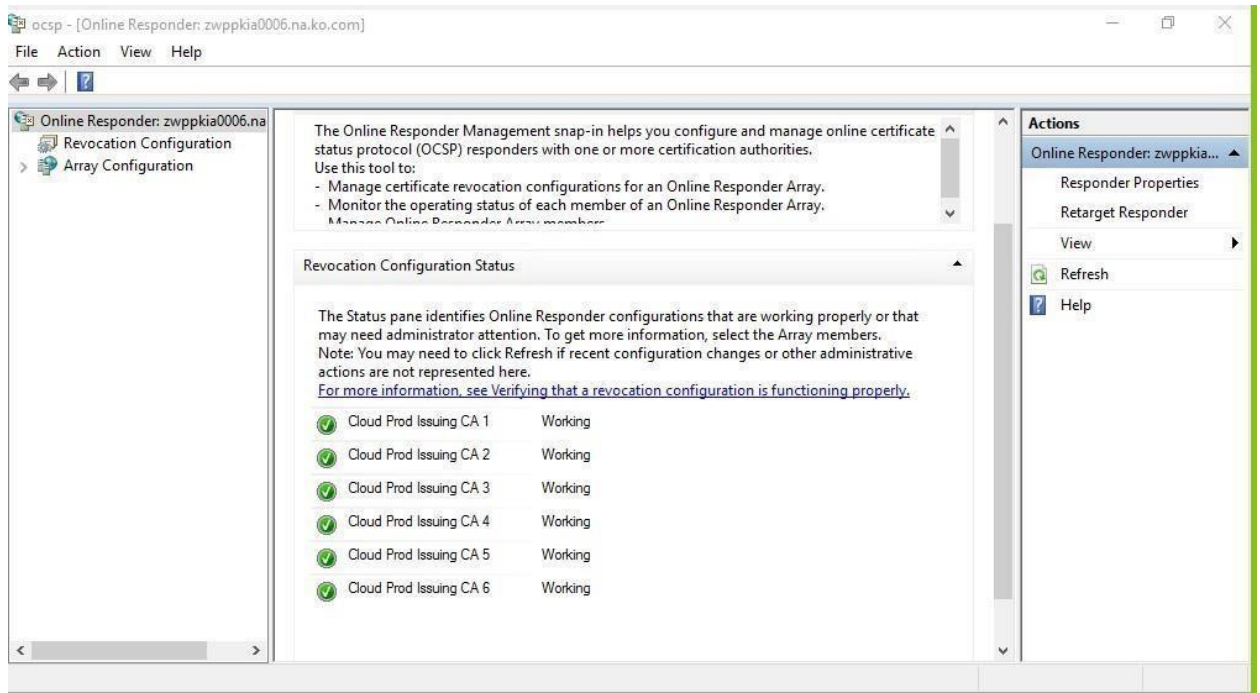
Make sure all revocation Configuration status show as

GREEN else we need to troubleshoot.



Test OCSP 2 - zwtpkia0006

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ **CertSvc**
 - ✓ **nFast Server**
- **Type Event Viewer in Search Box and hit enter. In**
 - Custom we need to check filters for **System** and **Application** Check filters.
 - 49- Logged – Last 24 hours**
 - 50- Event Level – Make sure to checked on Critical, Warning and Error**
 - 51- By Source – Certification Authority**
 - 52- Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801**



Test Web Server 1 - zwtpkia0007

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state

✓ W3SVC

- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical, Warning and Error

By Source – CertificationAuthorityClient - CertCli

Event ID- 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Test Enrollment Server 2 - zwtpkia0008

To go Search Box and type PKIVIEW.MSC – Once PKIVIEW.MSC opened, check all the certificate are in **OK** status

- **Type Services in search box** – Services will be opened, check **nfast** and **World Wide Web Services**, both services should be in running state.
- **Type Event Viewer in searchbox** - EventViewer will be opened . In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical,Warning and Error

By Source - CertificateServicesClient-AutoEnrollment

Event ID - 6,13

Test Issuing CA 4 - zwtpkia0009

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ **CertSvc**
 - ✓ **SafeNet Remote Pin Entry Device**
- **Type Event Viewer in Search Box and hit enter.** In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

Event Level – Make sure to checked on Critical,
Warning and Error

By Source – CertificationAuthority

Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33,
786, 789, 794, 795, 796, 800,801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and type the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331802118017	TCCNonProdOnlineCA-M
-	1331802118017	TCCNonProdOnlineCA-E

Open PowerShell and type the mentioned services on same server

```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status      Name                DisplayName
-----
Running     safenet.pedclient   SafeNet Remote PIN Entry Device
```

Test Issuing CA 5 - zwtpkia0010

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ **CertSvc**
 - ✓ **SafeNet Remote Pin Entry Device**
- **Type Event Viewer in Search Box and hit enter. In**
Custom we need to check filters for **System** and **Application** Check filters.
 - Logged** – Last 24 hours
 - Event Level** – Make sure to checked on Critical, Warning and Error
 - By Source** – Certification Authority
 - Event ID** - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Ensure the HSM Connectivity of the Server for that follow the mentioned below steps.

Open CMD and Paste the mentioned command.

"c:\Program Files\SafeNet\LunaClient\vtl" verify

```
C:\Users\066843>"c:\Program Files\SafeNet\LunaClient\vtl" verify
vtl (64-bit) v10.1.0-32. Copyright (c) 2019 SafeNet. All rights reserved.
```

The following Luna SA Slots/Partitions were found:

Slot	Serial #	Label
====	=====	=====
-	1332752622717	TCCNonProdOnlineCA-E
-	1331905119017	TCCNonProdOnlineCA-W

-	1331002110011	TCCNonProdOnlineCA-M
-	1331002110011	TCCNonProdOnlineCA-E

Open PowerShell and type the mentioned services on same server

```
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\Users\066843> get-service safenet.pedclient

Status  Name                DisplayName
-----  -
Running safenet.pedclient SafeNet Remote PIN Entry Device
```

Test Issuing CA 6 - zwtpkia0011

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ CertSvc
 - ✓ SafeNet Remote Pin Entry Device
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.
Logged – Last 24 hours

Event Level – Make sure to checked on Critical, Warning and Error

By Source – Certification Authority

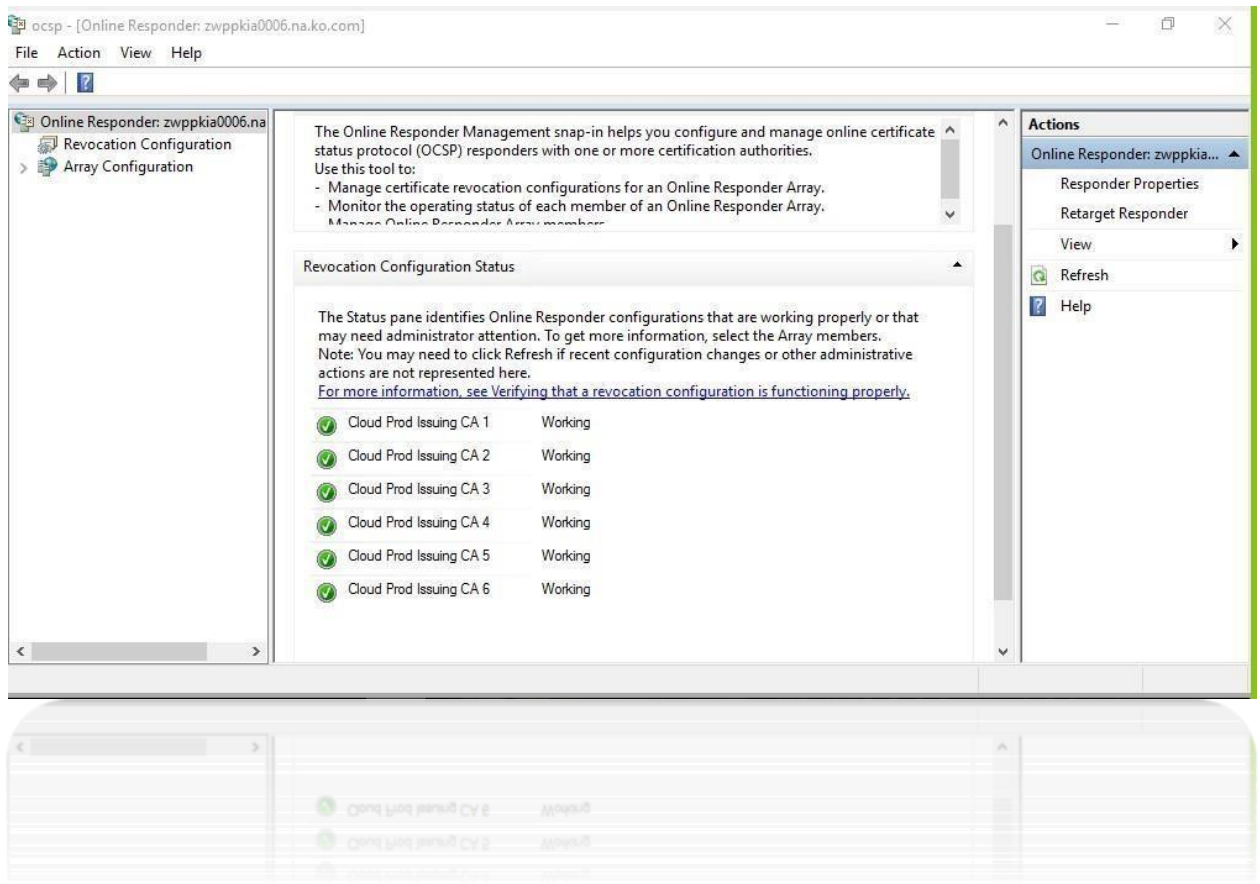
Event ID - 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Test OCSP 3 - zwtpkia0012

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ **SafeNet Remote Pin Entry Device**
 - ✓ **W3SVC**
 - ✓ **OcspSvc**
- **Type Event Viewer in Search Box and hit enter. In**
Custom we need to check filters for **System** and **Application** Check filters.
Logged – Last 24 hours
Event Level – Make sure to checked on Critical, Warning and Error
By Source – nCipher CSP, nCipherCSP, Online Responder, OnlineResponderRevocationProvider, OnlineResponderWebProxy
Event ID- 16,17,18,20,21,22,23,25,26,27,29,31,33,34,35

Type Online Responder in Search Box and hit enter.

Make sure all revocation Configuration status show as **GREEN** else we need to troubleshoot



Test OCSP 4 - zwtpkia0013

- Type Services in Search box and hit enter.
- We need to check below services and all services should be in running state
 - ✓ SafeNet Remote Pin Entry Device
 - ✓ W3SVC
 - ✓ Ocspsvc
- Type Event Viewer in Search Box and hit enter. In Custom we need to check filters for **System** and **Application** Check filters.

Logged – Last 24 hours

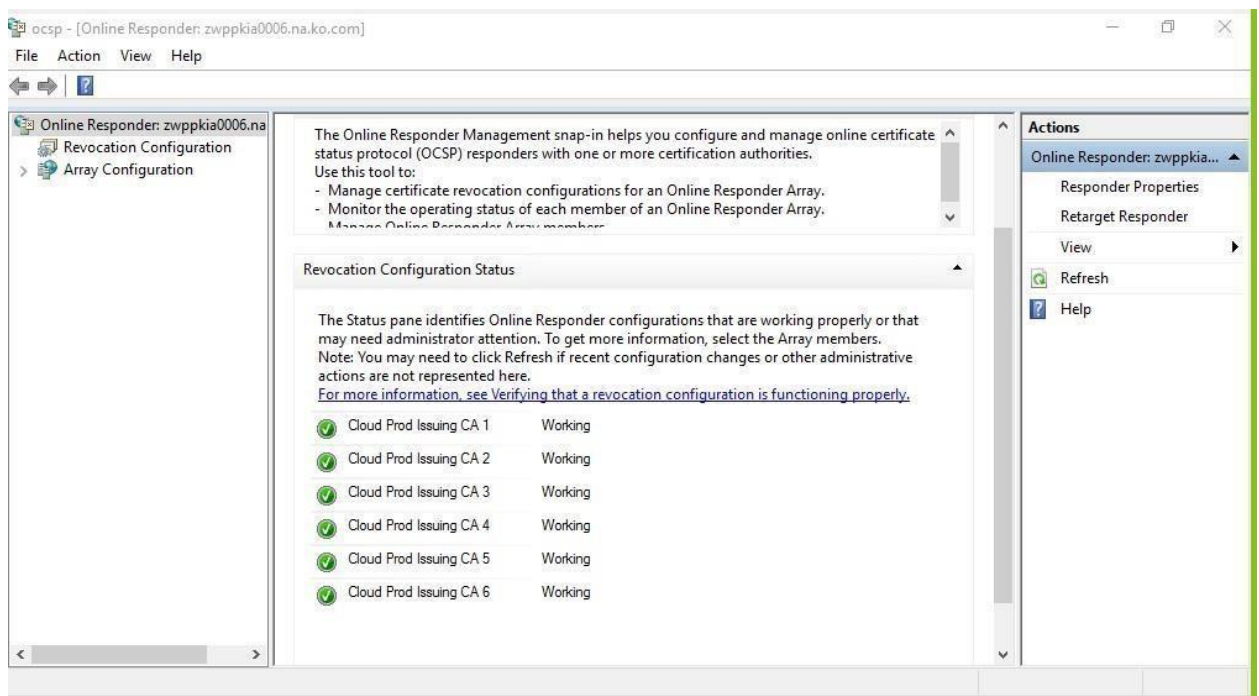
Event Level – Make sure to checked on Critical, Warning and Error

By Source – nCipherCSP, nCipherCSP, Online Responder, OnlineResponderRevocationProvider, OnlineResponderWebProxy

Event ID- 16,17,18,20,21,22,23,25,26,27,29,31,33,34,35

Type Online Responder in Search Box and hit enter.

Make sure all revocation Configuration status show as GREEN else we need to troubleshoot



Test Web Server 2 - zwtpkia0016

- **Type Services in Search box and hit enter.**
- **We need to check below services and all services should be in running state**
 - ✓ W3SVC
- **Type Event Viewer in Search Box and hit enter. In**
 - Custom we need to check filters for **System** and **Application** Check filters.
 - Logged** – Last 24 hours
 - Event Level** – Make sure to checked on Critical, Warning and Error
 - By Source** – CertificationAuthorityClient-CertCli
 - Event ID-** 1, 2, 10, 11, 12, 13, 20, 21, 22, 23, 30, 31, 32, 33, 786, 789, 794, 795, 796, 800,801

Server IP's

Note : If any of the server is not reachable through the DNS , for troubleshoot please check the server through server IP , categorized by region and environment.

Online CAs

The following Online CAs are hosted in Azure East US 2 region:

- Dev
 - The Coca-Cola Company Dev Internal Issuing CA 1
 - DNS Name: zwdpkia0002.devko.com
 - IP Address: 10.115.42.135
 - CCSN CI: TCCC Dev Internal Issuing Certification
 - Authority 1 ○ The Coca-Cola Company Dev Internal Issuing CA 2
 - DNS Name: zwdpkia0003.devko.com
 - IP Address: 10.115.42.136
 - CCSN CI: TCCC Dev Internal Issuing Certification
 - Authority 2 ○ The Coca-Cola Company Dev Internal Issuing CA 3
 - DNS Name: zwdpkia0004.devko.com

- IP Address: 10.115.42.137
 - CCSN CI: TCCC Dev Internal Issuing Certification
- Authority 3
- Test
 - The Coca-Cola Company Test Internal Issuing CA 1
 - DNS Name: zwtpkia0002.testko.com
 - IP Address: 10.115.42.140
 - CCSN CI: TCCC Test Internal Issuing Certification
 - Authority 1
 - The Coca-Cola Company Test Internal Issuing CA 2
 - DNS Name: zwtpkia0003.testko.com
 - IP Address: 10.115.42.141
 - CCSN CI: TCCC Test Internal Issuing Certification
 - Authority 2
 - The Coca-Cola Company Test Internal Issuing CA 3
 - DNS Name: zwtpkia0004.testko.com
 - IP Address: 10.115.42.142
 - CCSN CI: TCCC Test Internal Issuing Certification
 - Authority 3
 - Prod
 - The Coca-Cola Company Internal Issuing CA 1
 - DNS Name: zwppkia0002.ko.com
 - IP Address: 10.115.25.133
 - CCSN CI: TCCC Internal Issuing Certification Authority 1
 - The Coca-Cola Company Internal Issuing CA 2
 - DNS Name: zwppkia0003.ko.com
 - IP Address: 10.115.25.136
 - CCSN CI: TCCC Internal Issuing Certification Authority 2
 - The Coca-Cola Company Internal Issuing CA 3
 - DNS Name: zwppkia0004.ko.com
 - IP Address: 10.115.25.137
 - CCSN CI: TCCC Internal Issuing Certification Authority 3

Web Servers

- Test
 - The Coca-Cola Company Test Web Server 1
 - DNS Name: zwtpkia0007.na.testko.com
 - IP Address: 10.115.42.143
 - CCSN CI: TCCC Test Internal PKI Web Server 1
- Prod
 - The Coca-Cola Company Prod Web Server 1
 - DNS Name: zwppkia0007.na.ko.com
 - IP Address: 10.115.25.138
 - CCSN CI: TCCC Internal PKI Web Server 1

OCSF Servers

- Test ○ The Coca-Cola Company Test Online Responder 1
 - DNS Name: zwtpkia0005.na.testko.com
 - IP Address: 10.115.42.132
 - CCSN CI: TCCC Test Internal OCSF Server 1 ○ The Coca-Cola Company Test Online Responder 2
 - DNS Name: zwtpkia0006.na.testko.com
 - IP Address: 10.115.42.133
 - CCSN CI: TCCC Test Internal OCSF Server 2
- Prod ○ The Coca-Cola Company Online Responder 1
 - DNS Name: zwppkia0005.na.ko.com
 - IP Address: 10.115.25.134
 - CCSN CI: TCCC Internal OCSF Server 1 ○ The Coca-Cola Company Online Responder 2
 - DNS Name: zwppkia0006.na.ko.com
 - IP Address: 10.115.25.135
 - CCSN CI: TCCC Internal OCSF Server 2

Enrollment Servers

- Test ○ The Coca-Cola Company Test Enrollment Server 1
 - DNS Name: zwtpkia0001.testko.com
 - IP Address: 10.115.42.139
 - CCSN CI: No CI Assigned
- Prod ○ The Coca-Cola Company Prod Enrollment Server 1
 - DNS Name: zwppkia0001.ko.com
 - IP Address: 10.115.25.132
 - CCSN CI: No CI Assigned

Venafi Components

- Test ○ Venafi Test Application Server 1
 - DNS Name: zwtpkia0014.na.testko.com
 - IP Address: 10.115.42.144
 - CCSN CI: Venafi Trust Protection Platform - testko.com ○ Venafi Test Application Server 2
 - DNS Name: zwtpkia0015.na.testko.com
 - IP Address: 10.115.42.145
 - CCSN CI: Venafi Trust Protection Platform - testko.com ○ Venafi Test Database Server
 - DNS Name: zwtpkid0017.na.testko.com
 - IP Address: 10.115.42.146

- CCSN CI: Venafi Trust Protection Platform - testko.com
 - Prod
 - Venafi Prod Application Server 1
 - DNS Name: zwppkia0015.na.ko.com
 - IP Address: 10.115.25.139
 - CCSN CI: Venafi Trust Protection Platform
 - Venafi Prod Application Server 2
 - DNS Name: zwppkia0016.na.ko.com
 - IP Address: 10.115.25.140
 - CCSN CI: Venafi Trust Protection Platform
 - Venafi Prod Database Server
 - DNS Name: zwppkid0017.na.ko.com
 - IP Address: 10.115.25.141
 - CCSN CI: Venafi Trust Protection Platform

Azure Central US

The infrastructure currently consists of virtual machines in a few categories:

Online CAs

The following Online CAs are hosted in Azure East US 2 region:

- Test
 - The Coca-Cola Company Test Internal Issuing CA 4
 - DNS Name: zwtpkia0009.testko.com
 - IP Address: 10.115.76.7
 - CCSN CI: TCCC Test Internal Issuing Certification Authority 4
 - The Coca-Cola Company Test Internal Issuing CA 5
 - DNS Name: zwtpkia0010.testko.com
 - IP Address: 10.115.76.8
 - CCSN CI: TCCC Test Internal Issuing Certification Authority 5
 - The Coca-Cola Company Test Internal Issuing CA 6
 - DNS Name: zwtpkia0011.testko.com
 - IP Address: 10.115.76.9
 - CCSN CI: TCCC Test Internal Issuing Certification Authority 6
- Prod
 - The Coca-Cola Company Internal Issuing CA 4
 - DNS Name: zwppkia0009.ko.com
 - IP Address: 10.115.78.7
 - CCSN CI: TCCC Internal Issuing Certification Authority 4
 - The Coca-Cola Company Internal Issuing CA 5
 - DNS Name: zwppkia0010.ko.com

- IP Address: 10.115.78.8
 - CCSN CI: TCCC Internal Issuing Certification Authority
 - 5 ○ The Coca-Cola Company Internal Issuing CA 6
 - DNS Name: zwppkia0011.ko.com
 - IP Address: 10.115.78.9
 - CCSN CI: TCCC Internal Issuing Certification Authority
- 6

Web Servers

- Test ○ The Coca-Cola Company Test Web Server 2
 - DNS Name: zwtpkia0016.na.testko.com
 - IP Address: 10.115.76.10
 - CCSN CI: TCCC Test Internal PKI Web Server 2
- Prod ○ The Coca-Cola Company Prod Web Server 2
 - DNS Name: zwppkia0014.na.ko.com
 - IP Address: 10.115.78.10
 - CCSN CI: TCCC Internal PKI Web Server 2

OCSP Servers

- Test ○ The Coca-Cola Company Test Online Responder 3
 - DNS Name: zwtpkia0012.na.testko.com
 - IP Address: 10.115.76.4
 - CCSN CI: TCCC Test Internal OCSP Server 3 ○ The Coca-Cola Company Test Online Responder 4
- Prod ○ The Coca-Cola Company Online Responder 3
 - DNS Name: zwppkia0012.na.ko.com
 - IP Address: 10.115.78.4
 - CCSN CI: TCCC Internal OCSP Server 3
- The Coca-Cola Company Online Responder 4
 - DNS Name: zwppkia0013.na.ko.com
 - IP Address: 10.115.78.5
 - CCSN CI: TCCC Internal OCSP Server 4

Enrollment Servers

- Test ○ The Coca-Cola Company Test Enrollment Server 2
 - DNS Name: zwtpkia0008.testko.com
 - IP Address: 10.115.76.6
 - CCSN CI: No CI Assigned
- Prod ○ The Coca-Cola Company Prod Enrollment Server 2

- DNS Name: zwppkia0008.ko.com
- IP Address: 10.115.78.6

CCSN CI: **No CI Assigned**

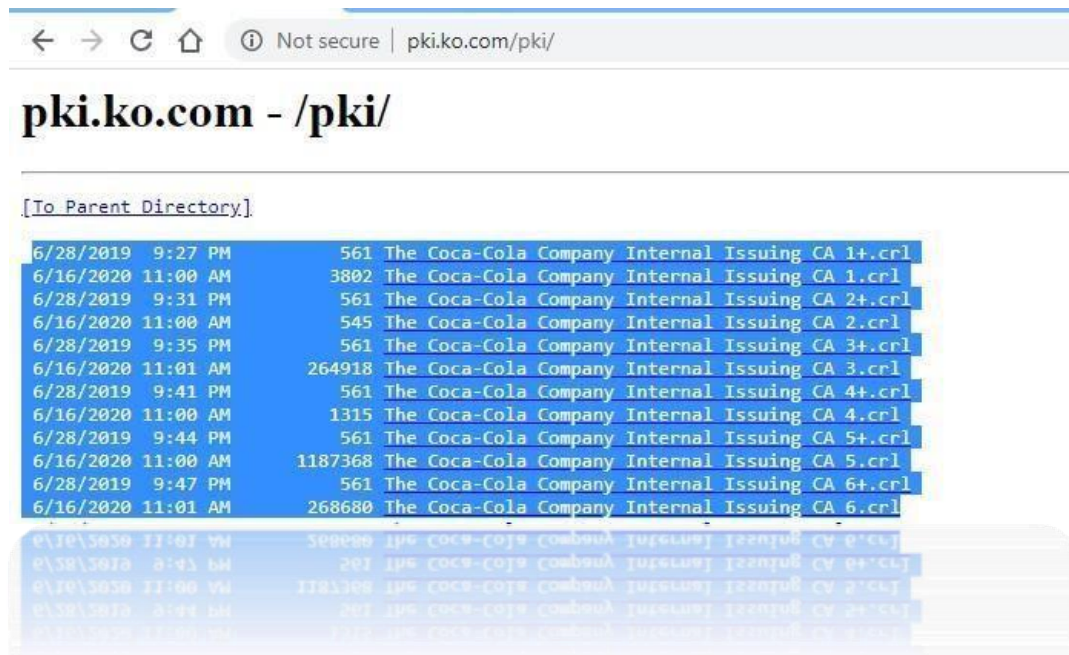
WEBSITE AVAILABILITY

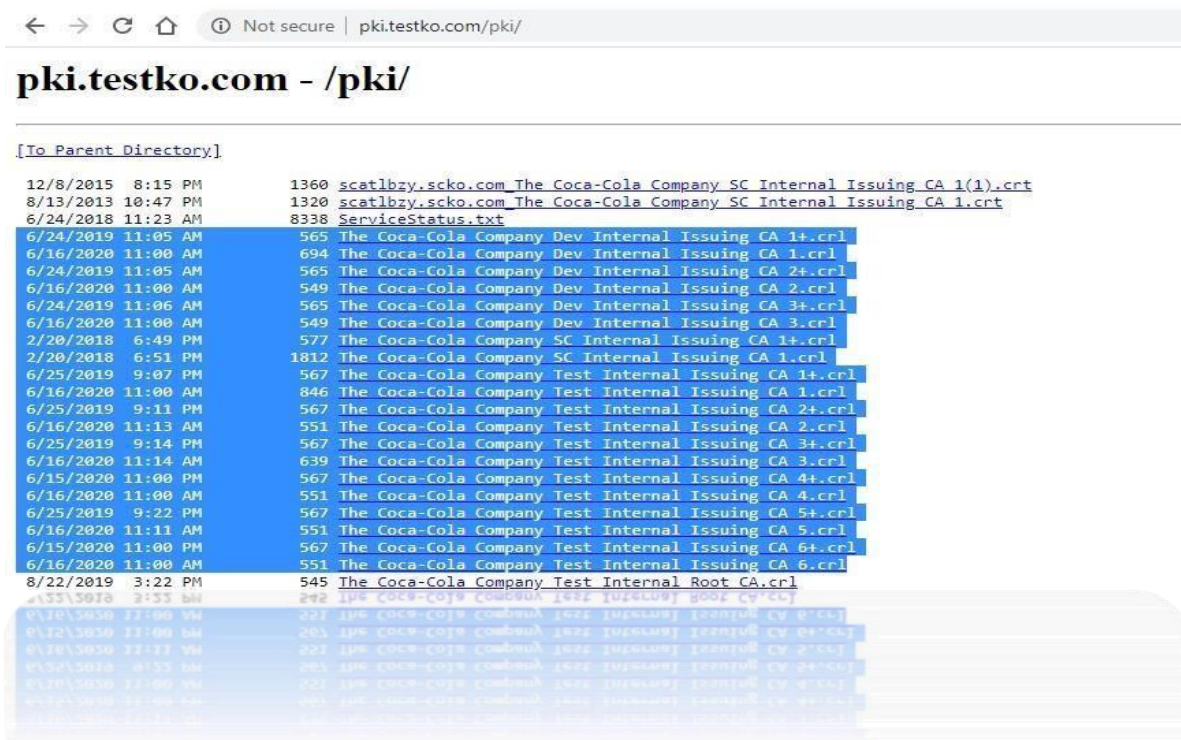
There are Ten (5) sites from both production and non-production environment that should be checked daily to ensure they are reachable and that all CRLs and Delta CRLs are valid.

NON-PRODUCTION: <http://pki.testko.com/pki/>

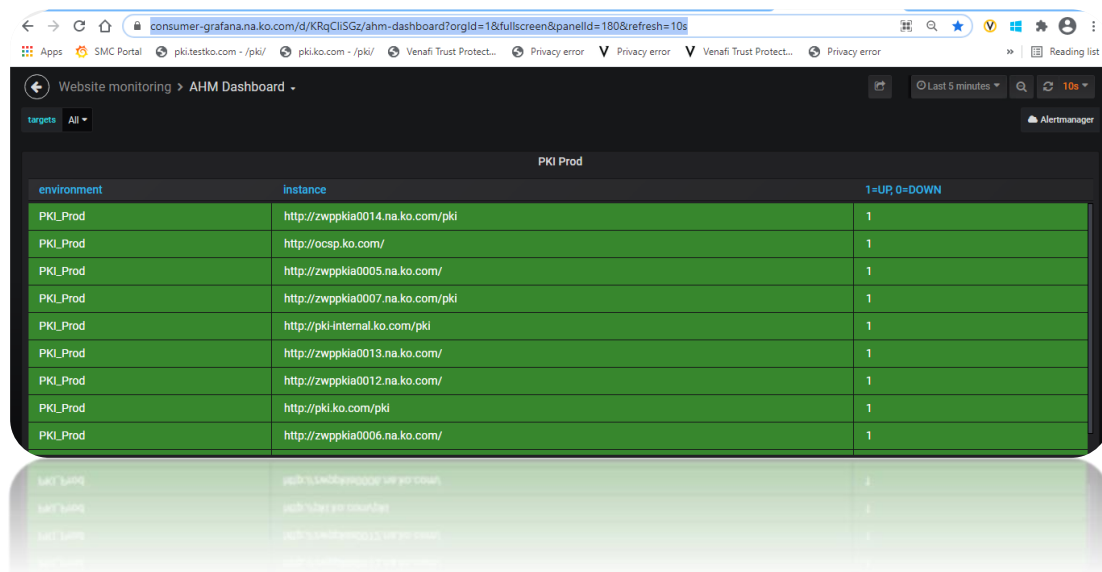
PRODUCTION : <http://pki.ko.com/pki/>

Important Instruction for Both Production and Pre-Production CRLs: If we are checking these URL in our **4PM** checks, we will focus and make sure CRLs for **AM** should update similar if we are checking CRLs in our **4AM** checks, we must make sure the CRLs for PM should update accordingly. This site should be checked to ensure it is reachable both within the Coca-Cola network. The following entries should be no more than 24 hours old, typically updated at 11 am every day.





<https://consumer-grafana.na.ko.com/d/KRqCiSGz/ahm-dashboard?orgId=1&fullscreen&panelId=180&refresh=10s>



<https://zwppkia0001.ko.com/certsrv>

Microsoft Active Directory Certificate Services — The Coca-Cola Company Internal Issuing CA 1

Home

Welcome

Use this Web site to request a certificate for your Web browser, e-mail client, or other program. By using a certificate, you can verify your identity to people you communicate with over the Web, sign and encrypt messages, and, depending upon the type of certificate you request, perform other security tasks.

You can also use this Web site to download a certificate authority (CA) certificate, certificate chain, or certificate revocation list (CRL), or to view the status of a pending request.

For more information about Active Directory Certificate Services, see [Active Directory Certificate Services Documentation](#).

Select a task:
[Request a certificate](#)
[View the status of a pending certificate request](#)
[Download a CA certificate, certificate chain, or CRL](#)

Download a CA certificate, certificate chain, or CRL

View the status of a pending certificate request

Request a certificate

<https://zwppkia0008.ko.com/certsrv>

Microsoft Active Directory Certificate Services — The Coca-Cola Company Internal Issuing CA 4

Home

Welcome

Use this Web site to request a certificate for your Web browser, e-mail client, or other program. By using a certificate, you can verify your identity to people you communicate with over the Web, sign and encrypt messages, and, depending upon the type of certificate you request, perform other security tasks.

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For more information about Active Directory Certificate Services, see [Active Directory Certificate Services Documentation](#).

Select a task:
[Request a certificate](#)
[View the status of a pending certificate request](#)
[Download a CA certificate, certificate chain, or CRL](#)

Download a CA certificate, certificate chain, or CRL

View the status of a pending certificate request

Request a certificate

You need to check above mentioned URL from your VDI to make sure all are reachable. Open the link in google chrome which is already installed in your VDI and logged in through your VDI username and password. Once you enter make sure you need to click on Load Data to confirm the specific URL is accessible and working fine.

As we have mentioned above in this document that we need to send the email to our client from Monday to Friday. One at 4PM and other at 4AM to following people and group and on Weekend i.e. Saturday and Sunday to **devops@tenpearls.com**. Below is the content that we need to follow:

We have to send to the following group and people and content of the email should be FOLLOWED as mentioned.

TO : phesse@coca-cola.com
CC : tccc-pki-support@10pearls.com , ssalsbury@coca-cola.com , jeffcochran@coca-cola.com Subject: **PKI Health Checks 16th June 2020**

16th June 2020 updates (06:00 AM OR PM EST)

CRLs have been checked which are up to date and the services are running

Thanks and best regards,

-- Your VDI name here