

Development - Updating SSL Thumbprint in Octopus

12/29/2023 4:11 pm EST

Overview

Whenever a wildcard cert for one of our Alarmbiller domains is renewed, we need to update the thumbprint in Octopus to use that new cert on deployment. This makes sure that we cleanly keep a valid cert running in both our test environment and production environments. Cloud IT will be doing the actual procurement and install of the cert itself on the environment servers. Development will update the Octopus project.

Failing to do this before the next deployment will cause the old cert to be bound to the site. This could lead to problems both for users as well as integrations that rely on the cert being valid. It can be fixed but must be done by hand or redeployment once fixed.

Environments

We need to maintain the following environments:

- servicebiller.com - 10.0.0.55
- alarmbiller.com - 10.0.0.87
- sedonaone.com - 10.0.0.76

IT will need to notify Development when they update a cert on any of these environments. We will then update the Octopus projects.

Tracking

Environment	Existing Thumbprint	Date Changed	Changed By
ServiceBiller.com	b3afda06f9573328e691d423de55a207e537e193	4/15/2021	Toby Prescott
AlarmBiller.com	2ace8c1c825b4135bb81e6be86b7967167d5550a		
SedonaOne.com	e9a782faa7a6bbc5583d6c0b7c8b4bef0ee1ea4d	4/15/2021	Toby Prescott

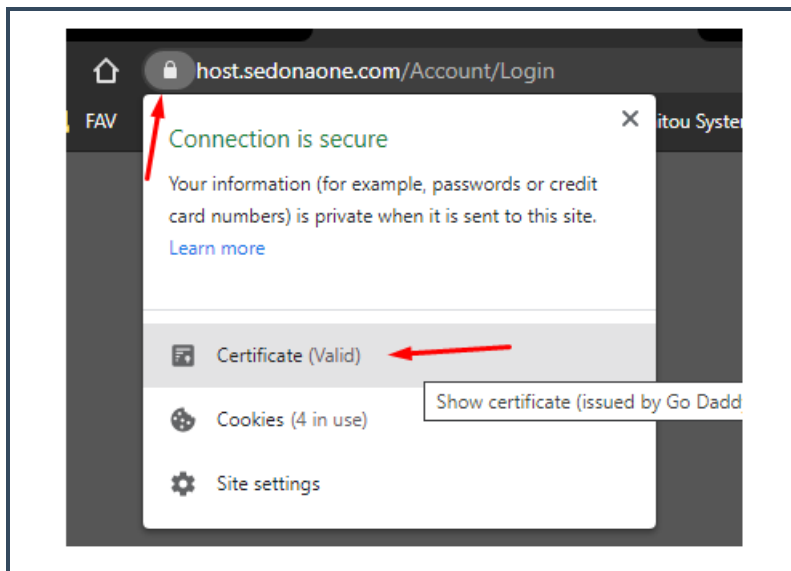
Octopus Update

Gather New Thumbprint

In order to update the project in Octopus, we first need the new Thumbprint. The easiest way to get this is by looking at the website for the respective product.

- <https://host.servicebiller.com/>
- <https://host.alarmbiller.com/>
- <https://host.sedonaone.com/>

Then click on the lock icon and the certificate



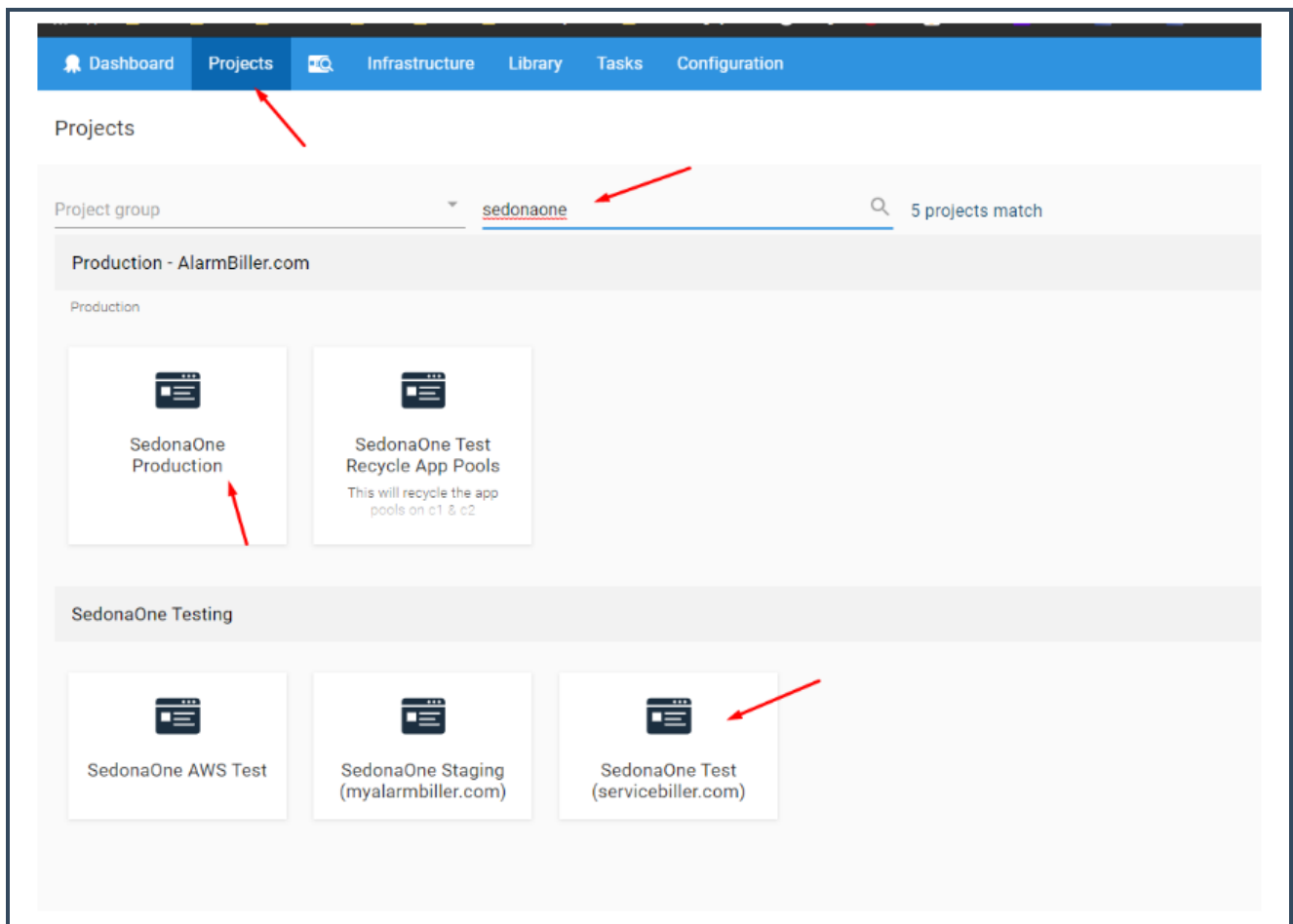
Click on the Details tab and scroll down to the Thumbprint. Click on this and copy out the thumbprint for later.

Octopus Project Bindings

Octopus has defined projects for these environments. We are focused on two of them:

- SedonaOne Production
- SedonaOne Test

The easiest way to find these is to click on Projects and search for "sedonaone"



The examples below are for the production environment and sedonaone.com domain but it is the same for the others.

First, click on the project and then the process tab

Dashboard Projects Infrastructure Library Tasks Configuration

Projects



SedonaOne Production

CREATE RELEASE

- Overview
- Process
- Variables
- Triggers
- Channels
- Releases
- Settings

Process

- 1. ABIIS1**
Deploy to IIS using package **SedonaOne** from **Octopus Server (built-in)** to deployment targets in role **ABIIS1**
SedonaOne Production
- 2. ABIIS2**
Deploy to IIS using package **SedonaOne** from **Octopus Server (built-in)** to deployment targets in role **ABIIS2**
SedonaOne Production
- 3. ABIIS3**
Deploy to IIS using package **SedonaOne** from **Octopus Server (built-in)** to deployment targets in role **ABIIS3**
SedonaOne Production
- 4. ABIIS4**
Deploy to IIS using package **SedonaOne** from **Octopus Server (built-in)** to deployment targets in role **ABIIS4**
SedonaOne Production
- 5. ABIIS5**
Deploy to IIS using package **SedonaOne** from **Octopus Server (built-in)** to deployment targets in role **ABIIS5**
SedonaOne Production
- 6. ABSQL Copy Files**
Deploy to IIS using package **SedonaOne** from **Octopus Server (built-in)** to deployment targets in role **ABSQLA**

alarmbillerddeployment.perennialsoftware.com/000/octopus/app#/projects/sedonaone-production/process

We must update each IIS process to use the new thumbprint.

Click on the ABIIS1 process and expand the Bindings section under Features.

Process

 ABIIS1

CONFIGURE FEATURES

SAVE

EXPAND ALL

COLLAPSE ALL

Step Name	ABIIS1	▼
Execution Plan	This step will run on deployment targets in role  ABIIS1	
	All deployments will be run in parallel	
Package Details		
Package	Package SedonaOne from feed Octopus Server (built-in)	
Features		
IIS Deployment Type	IIS Web Site	
Web Site	Web site SedonaOne will be created or updated. Content will be served from the root of the installation directory	
Application Pool	Application Pool SedonaOne will be created if required and used. It will be configured with no .NET CLR support, and the pool will run as sedonaasp\ABSuperUser	
 Bindings	Bindings define what protocols, ports and host names this site will listen on	

ADD

Protocol: **https**

Scroll down to see the one or more bindings that will be created when this deployment process runs. You need to be VERY careful that you are updating the correct one.

Bindings

Bindings define what protocols, ports and host names this site will listen on

ADD

Protocol: **https**

Port: **443**

IP Address: **10.0.0.87**

SSL certificate thumbprint:
2ace8c1c825b4135bb81e6be86b7967167d5550a

Protocol: **https**

Port: **443**

IP Address: **10.0.0.76**

SSL certificate thumbprint:
07b49d33658deacdf26a90fb3ac3bf1efa468aa6

First check the IP address against the domains listed in the Environment section above. Then check what is shown against the "Existing Thumbprint" listed in the Tracking section above. Once you are certain of one you are updating, click on that binding definition.

Add Binding

The IP address that the binding will listen on. Use `*` for any address, or specify an address such as `10.0.0.1`. If using a IPv6 address remember to enclose in square brackets such as `:::1`.

Host name #{}

The host header that this binding will listen on. Example: `www.contoso.com`. Leave empty to use any host header.

Certificate

Is the HTTPS certificate managed by Octopus or externally?

☐ Certificate managed by Octopus (default)
If the certificate is managed by Octopus, it will be automatically imported into the Windows Certificate Store.

☒ Certificate managed externally
If managed externally, the certificate thumbprint is configured. The certificate must have been imported into the Windows Certificate Store.

SSL thumbprint #{}

e9a782faa7a6bbc5583d6c0b7c8b4bef0ee1ea4d

The X.509 certificate thumbprint to use.

Server name identification 🔗

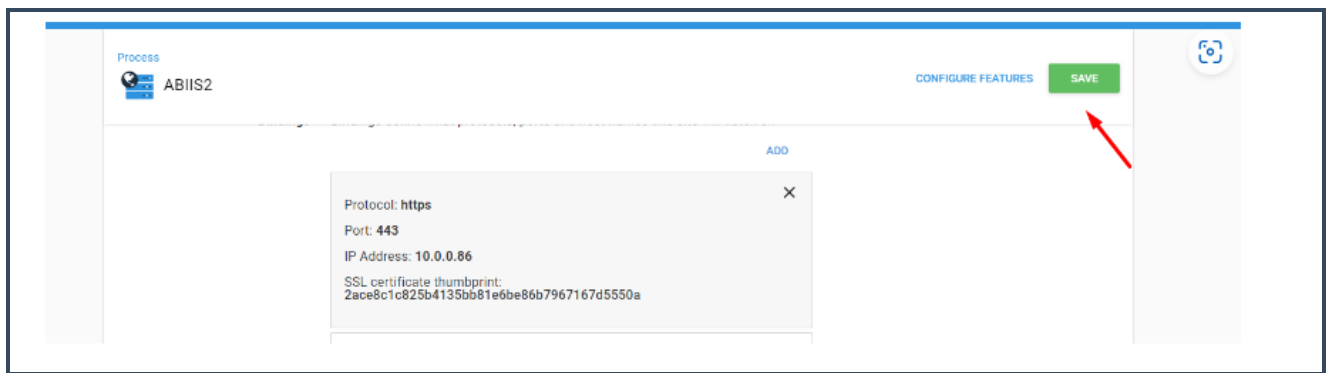
☐ Required

Binding status 🔗

☒ Enabled
Disable this binding to skip it (the binding will not be added).

CANCEL OK

Scroll down to the SSL thumbprint and replace the value with the new one. Press Ok and Save



Once you have updated ALL of the IIS environments, Update the "Tracking" section of this document with the new Thumbprint. This is so that we can tell when it was done as well as match up entries the next time we do the update.