

Purchase & Apply a WWW Certificate in Cloudpath

How To



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Overview

This document provides a step-by-step guide for purchasing and installing a WWW server certificate in Cloudpath.

Cloudpath has an onboard Certificate Authority (CA) that can issue a server certificate to the onboard Radius Server and also issue client certificates for enrolling clients. After a client certificate has been issued, all client onboarding authentications take place using this client certificate. However, these certificates, which are used in the client enrollment/onboarding process and are separate and distinct from the WWW Certificate required for secure HTTPS access.

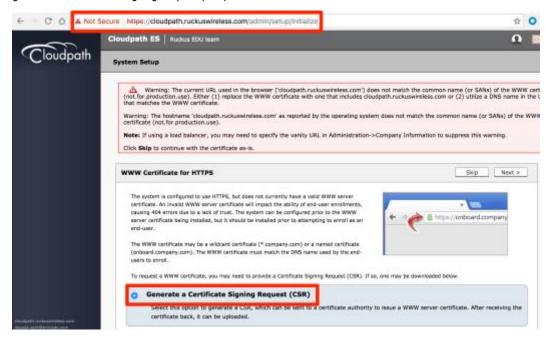
For secure HTTPS access to Cloudpath, it also requires a WWW Server Certificate (aka SSL Certificate). This certificate prevents any client 404 errors caused due to lack of trust when clients access Cloudpath as a part of the enrollment process.

This document addresses this latter WWW or SSL Certificate mentioned above. The Cloudpath system can be configured prior to the WWW server certificate being installed, but the WWW Certificate should be installed before attempting to enroll end-users. A few items about this WWW Server Certificate:

- 1. The WWW certificate may be a wildcard certificate (*.company.com) or a named certificate (test.company.com).
- 2. The WWW certificate must match the DNS name used by the end-users to enroll.
- 3. To request a WWW certificate, you may need to provide a Certificate Signing Request (CSR). As explained later, the CSR can be generated and downloaded from Cloudpath after the system is set up.

Cloudpath Without a WWW Server Certificate

Cloudpath can be setup without the SSL certificate. However, as shown below, accessing it produces the following security warnings and an opportunity to generate a Certificate Signing Request (CSR)



Purchasing a WWW Certificate

As mentioned above, the WWW Server Certificate for Cloudpath can be a wildcard certificate (*.company.com) or a named certificate (test.company.com). Certificates for varying durations (for example 1/2/3 years) can be purchased from any number of Certificate Authorities. Examples include GoDaddy, DigiCert, StartSSL, etc. The website for each CA clearly details the procedure for applying and obtaining such a certificate. In general, the following is required:

- 1. Hostname or Domain Name (test.company.com or *.company.com)
- 2. Updated WHOIS record with the correct company name, address, contact information, etc. Usually, the order fulfillment email containing the certificate is emailed to the contact on record.
- 3. Certificate Signing Request (generated by Cloudpath, see below)

Usually such a certificate is obtained in a few hours after submission of the request and the appropriate payment.

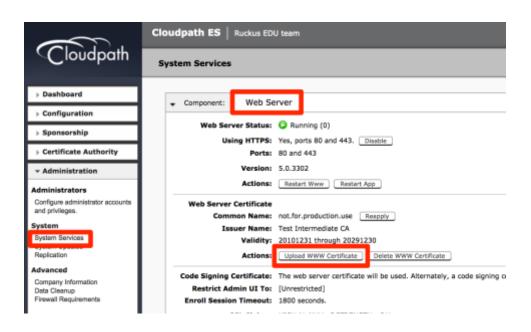
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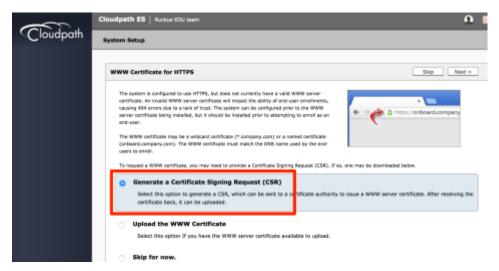
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Generating Certificate Signing Request (CSR)

Cloudpath can generate a hostname CSR as shown below. This CSR can be generated from the initial browsing to an insecure installation or from Administration->System->System Services->Web Server->Upload WWW Certificate.



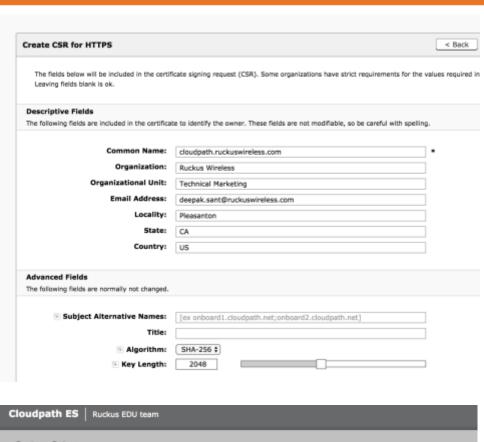


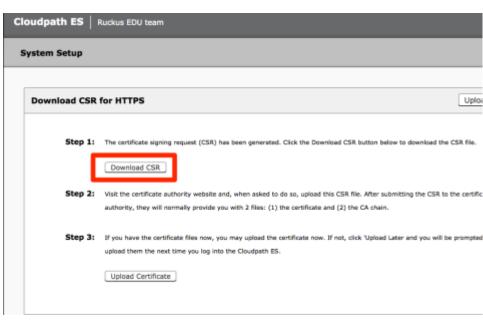
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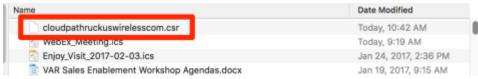
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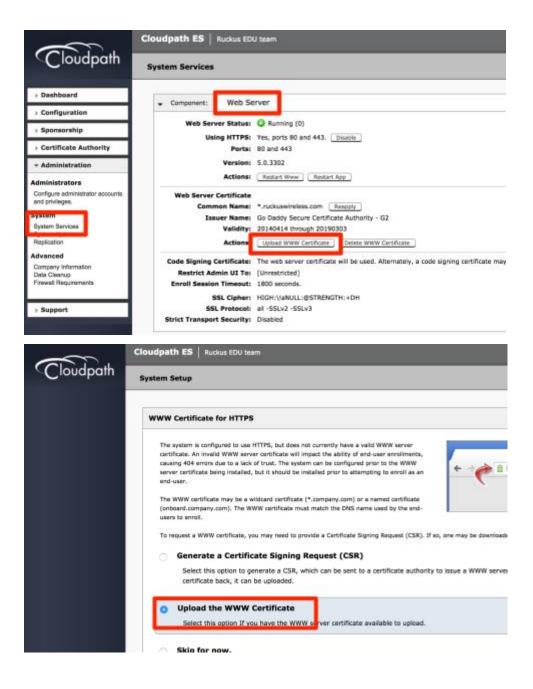


The CSR is a *.csr file (found in the browser downloads folder) which is then submitted to the CA.

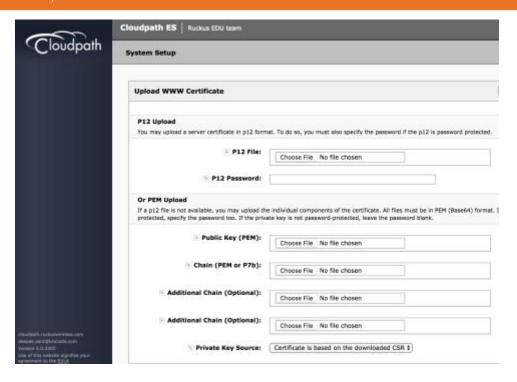


Uploading the WWW Certificate

Cloudpath supports Web Server certificates in the P12 format, password protected P12 or one can upload the individual certificate components: the public key, chain and private key or password protected private key. As shown below, the WWW certificate can be uploaded in Administration->System->System Services->Web Server->Upload WWW Certificate.

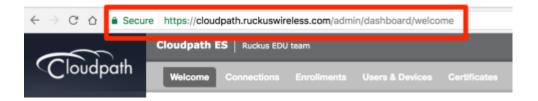






Verification

Once the certificate has been applied, secure HTTPS access is possible as shown below.



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