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RICOH Certificate Enrolment Service

Simplifying the process of certificate management for all your Ricoh devices.

Self-manage and fully automate the interaction to sign certificates

The RICOH Certificate Enrolment Service is the first tool to support auto-deployment and auto-renewal for certificates on all your Ricoh output devices. RICOH Certificate Enrolment Service fully automates the interaction with the Certificate Authority to sign security certificates.

- Fully automatic process
- No manual admin interaction required
- Flexibility with your own environment
- Scripting possibilities for individual requests
- Streamline NX base license required for the devices

What is the importance of certificates?

Digital certificates are the basis of a safe and secure internet. These certificates secure the internet connections of your Ricoh devices by encrypting data sent between your browser, the device you're using, and the world wide web. Certificates ensure your data is sent privately, without modifications, theft or loss.

Certificate auto renewal saves you time

The RICOH Certificate Enrolment Service enables seamless certificate auto renewal, now ever more important due to the reduced lifespan of TLS certificates to 398 days introduced in September 2020 from the previous maximum certificate lifetime of 825.

Apple, Google, and Mozilla now reject public root certificates in their respective web browsers that expire more than 13 months (or 398 days) from their creation date. The RICOH Certificate Enrolment Service aims to provide the same service as auto certificate enrolment service that you would find in many Microsoft OS' environment offers.

What devices are supported?

All Ricoh devices, which are supported by the Streamline NX v3 Certificate Management Tool, are supported by the RICOH Certificate Enrolment Service.

Supported server environments

- RICOH Certificate Enrolment Service can be installed on a Windows Server environment - Microsoft Server 2012 - 2019
- Installation on a Streamline NX server is supported
- Only Java 8.x support which has to be installed by the Customer if not already available

Supported browsers

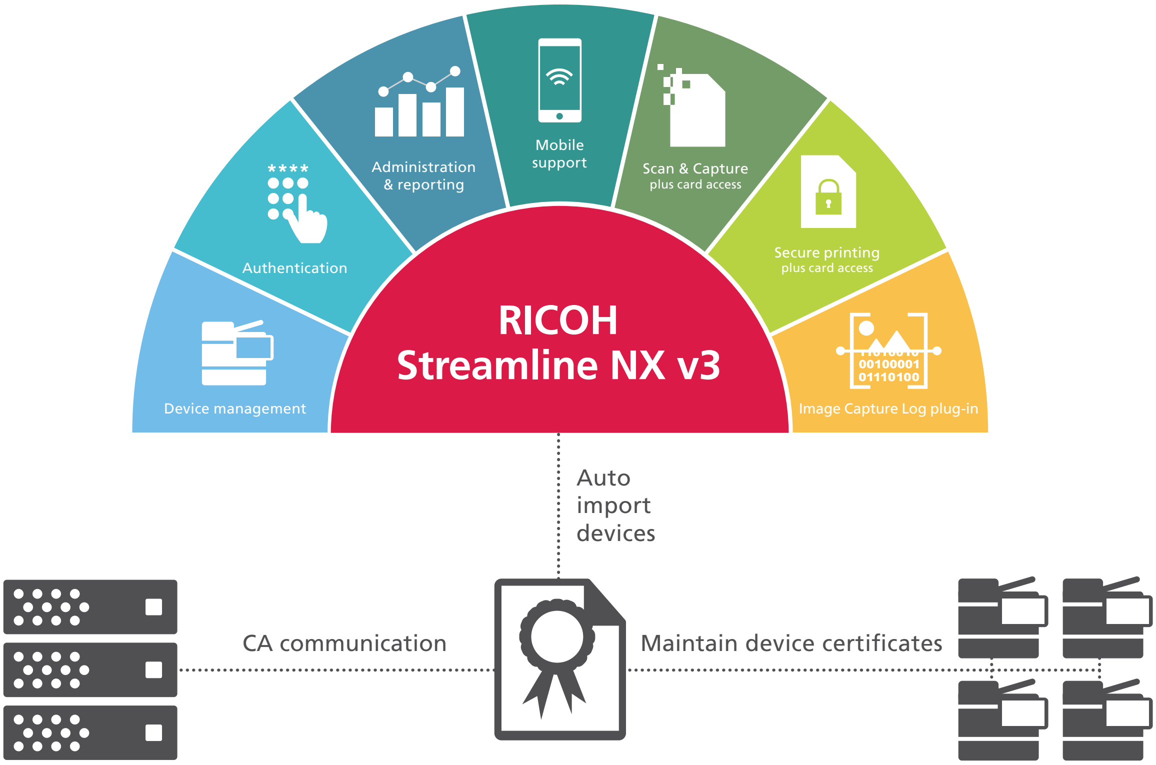
- Chrome
- Firefox
- Microsoft Edge based on Chromium
- Safari

Certificate Enrolment Service in summary

The Ricoh Certificate Enrolment Service enables you to self manage your own certificates through the deployment of:

- Easy operation
- Simple UI with Dashboard
- Automated Certificate Enrolment
- Easy Enhancement with Plug-in Design
- Auto device import by using Streamline NX

How the Ricoh Certificate Enrolment Service works



Glossary

- CA

  Certificate Authority

  In cryptography, a certificate authority or certification authority (CA) is an entity that issues digital certificates.
- CSR

  Certificate Signing Request.

  In public key infrastructure (PKI) systems, a certificate signing request (also known as CSR or certification request) is a message sent from an applicant to a registration authority of the public key infrastructure in order to apply for a digital identity certificate.
- Keystore

  A keystore contains private keys, and the certificates with their corresponding public keys to identify the server to others.
- Truststore

  A truststore contains certificates from other parties that one expect to communicate with and trust, or from Certificate Authorities that one trust to identify other parties.

Supported certificates

- Deployment of the Site / root certificates of the devices
- Deployment of the Device certificates (via CSR request)
- CES Webserver certificate

A feature rich solution

- Browser based App/Plug-in
- Device auto Import
- Truststore deployment
- Certificate Monitoring
- Auto renewal
- Auto error handling
- Scripting

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