
FireLight Illustration Services Cert Renewal Process

FIRELIGHT BASE



Platform

FIRELIGHT ILLUSTRATION SERVICES CERT RENEWAL PROCESS

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iConnect 229242 Design Approach - FireLight

Illustration Services Cert Renewal Process

Project Overview

The process to authenticate a FireLight Illustration call needs to support the ability to leverage more than one certificate to ease the pain when a certificate is about to expire. Ideally, we would want to support a primary certificate and a secondary certificate, similar to how SignatureCertThumbprint is used in SSO processing today.

We will be needing to update the cert in early 2021 and it would be nice to be able to stage the updates to the CalcRouter configs prior to the expiration of the cert.

Impacts:

Internal Certificate Renewal Support

1 FireLight Illustration Services Cert Renewal Process

Necessary modifications will be added to the authentication logic to check for the primary certificate first. If it fails, the secondary certificate will be tried before responding with a failed assertion. All necessary changes will be added to the FireLight application settings to support the addition of a thumbprint for the secondary certificate.

Acceptance Criteria

- Support the use of two certs (an old and a new) when generating the token used to authenticate FireLight with ForeSight's endpoint.
- Automatically attempt the same request using the secondary cert if the primary cert call failed.
- Failed assertion if both the primary cert and secondary cert are invalid.
- The secondary cert should be optional so if not present fail after the first call.
- Proper auditing should be implemented on a failed authentication attempt.