

# SSL Certificate

Applies to: 6400, 8400 appliances

Manage encrypted access to IPMI through the SSL screen.

Access by navigating to **Configuration|SSL**. Illustration 1 provides a reference.

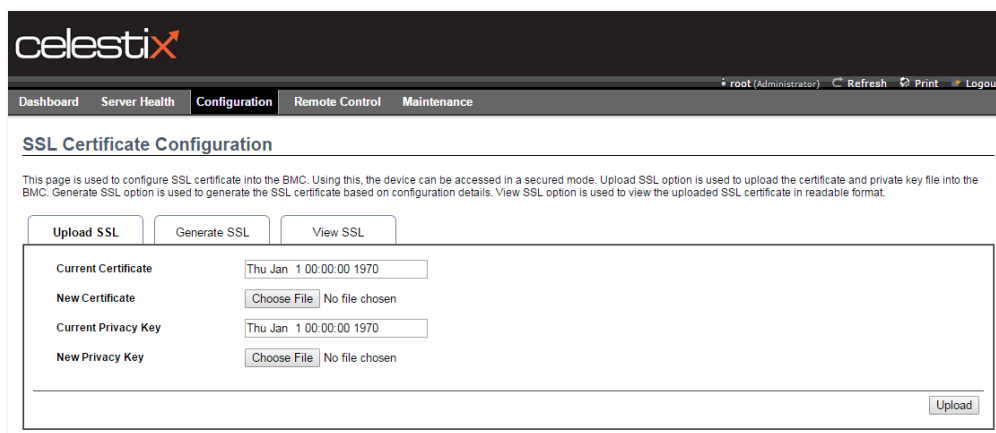


Illustration 1: SSL Certificate Screen

SSL management is handled through these tabs:

- **Upload SSL** – add an external certificate and key.
- **Generate SSL** – create a certificate and automatically load into IPMI.
- **View SSL** – review certificate information.

## Configuration Options

Instructions for certificate tools are brief and assume a basic familiarity with SSL.

### Upload SSL

Upload dates are noted for the **Current Certificate** and the **Current Privacy Key**.

## Instruction Set (continued)

### Notes:

- The IPMI application requires PEM format for certificate and key files.
- The HTTPS service must restart when the upload completes successfully.

### To upload a certificate

1. Navigate to **Configuration|SSL|Upload SSL**.
2. If there was an existing certificate, confirm overwriting it when prompted.
3. Complete the following:
  - **New Certificate** – click **Choose File** to navigate to the certificate file.
  - **New Privacy Key** – click **Choose File** to navigate to the key file.
4. Click **Upload**.
5. Once the certificate is uploaded, close the current browser session and then start a new one.

## Generate SSL

The self-signed certificate that will be created will display the organizational information provided in the fields described below.

### Notes:

- Most fields allow a maximum length of 64 alpha-numeric characters; '#' and '\$' are not allowed.
- The certificate is automatically loaded when you click Generate.
- HTTPS service must restart to invoke the new SSL certificate.

### To generate a certificate

1. Navigate to **Configuration|SSL|Upload SSL**.
2. Complete the following:
  - **Common Name(CN)** – the FQDN that will resolve to the IPMI IP address.
  - **Organization(O)** – the legal organizational name.
  - **Organization Unit(OU)** – optional.
  - **City or Locality(L)**
  - **State or Province(ST)**
  - **Country(C)** – requires a two-digit letter string.
  - **Email Address** – this address will be displayed in the certificate.
  - **Valid for** – range is between 1 to 3650 days.

## Instruction Set (continued)

- **Key Length** – key bit lengths include:
    - 512 – not recommended
    - 1028
3. Click **Generate**.
  4. Once the certificate is created, close the current browser session and then start a new one.