Uploading certificates to zero clients or host cards

Certificates can be uploaded to PCoIP devices such as PCoIP zero clients and PCoIP host cards for connection verification such as View Connection Server authentication and IEEE 802.1x network authentication. Up to 16 6KB certificates can be uploaded to each PCoIP device (fewer if certificate sizes exceed 6KB), however, only one certificate can be used for IEEE 802.1x network authentication.

Steps to install certificates on zero client and host card devices:

1) Obtain the certificate per your organizations requirements

- Self-signed certificates
- Enterprise implemented certificate authority
- Trusted 3rd party certificate authority

Certificate Examples

- View Connection Server trusted root certificate
- IEEE 802.1x network authentication certificates

Important: Ensure that you select the correct root certificate in the certificate chain presented by the VCS server. It is possible for browsers to show a different certificate chain that what was presented by the VCS. For more information on selecting the correct root certificate see

2) Ensure the certificate is properly formatted

- Certificates must be in .PEM format and less than 10KB
- View Connection Server certificate
    o Per VMware's instructions, the certificate must include the Server Authentication Extended Key Usage
- IEEE 802.1x Network Authentication
    o Requires two certificates including a client certificate and server CA root certificate
    o 802.1x client certificate must also include a private key that uses RSA encryption
    o 802.1x server CA root certificate

3) Convert to PEM certificate (if required).

Note: ensure that a RSA encrypted private key is in the PEM certificate for the IEEE 802.1x client certificate.

4) Upload PEM certificate to zero client

5) Configure Network Authentication (this step is for IEEE 802.1x Network Authentication only)

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