Chapter 1 – HTTPS Configuration

In HTTPS mode all communication between the Administrator's browser and Enterprise Manager is carried over secure tunnel using SSL.

- To setup HTTPS configuration in enterprise systems with more than one IP*edge* server the Primary Server must be configured first.

- All of the servers in a network must be operating in HTTPS, otherwise some features will fail.

- The IP*edge* server host names and server names must be configured and registered with a DNS server.

Important! Create the https certificate for the Primary server. Add the certificate to your browser's 'trusted sites.' Attach the member servers then, create the https certificate for each member. The member certificates do not need to be downloaded to your browser.

Important! When an IP*edge* server with HTTPS set is installed behind a firewall ports 443 and 8443 must be open.

HTTPS CONFIGURATION The IP*edge* server can create a server SSL certificate.

Create New Certificate The following steps create a new SSL certificate and change the system to https operation.

Note: The first time you create a certificate the system will create a Root certificate and a Server certificate. If a new certificate is created the system will create a new Server certificate. The root certificate will remain.

1. In Enterprise Manager select the server to configure. Select **Maintenance->HTTPS Configuration**.

2. In the HTTPS Configuration tab click to select **HTTPS On**.

3. Click on the **Create New Certificate** icon.

4. In the Create New Certificate dialog box enter all of the required information then, click on **OK**. Use descriptive names in the certificate fields.

5. Click on the Save icon.

Note: HTTPS configuration requires restarting the web server. When configuring the primary server the login session will be

terminated. Please wait several minutes for the web server to restart before logging back to the IP*edge* server.

6. After the restart, login to the server using the same URL. The web server will automatically redirect to the HTTPS login.
    For Example:
    http://serverName:8080/oamp will be redirected to
    https://serverName:8443/oamp, please observe the changes in bold

7. The server is using a self signed certificate, the browser will open a warning dialog box. Click on **Continue to this website (not recommended)** to proceed to the Enterprise Manager login screen.

Important!   If the IP*edge* server IP address is changed a new certificate must be created.

Root Certificate Download   To avoid this warning message the root certificate must be trusted. Down load the root certificate onto your PC.

The following steps apply to Internet Explorer only.

1. In Enterprise Manager select the server to configure. Select **Maintenance->HTTPS Configuration**.

2. Select the Current Certificate to display the security certificate.

3. Select the **HTTPS Configuration** then, click on the DownloadPrimary Server Root Certificate icon.

4. In the File Download dialog box click on Save. Save the file to your PC. When the download is complete close the dialog box.

Trust the Certificate   1. Using the browser menu, click on **Tools > Internet Options**.

2. In the **Content** tab click on the **Certificates** button.

3. In the certificates dialog, select the **Trusted Root Certification Authorities** tab.

4. Click on the **Import** button and follow the on screen prompts to import the primary server root certificate.

5. When completed close all browser windows.

6. Launch the browser, the IP*edge* server certificate is now trusted on this PC. Login to Enterprise Manager as usual.

Note: The browser will be diverted to:
            https://Server_address:8443/oamp

TURN HTTPS OFF   1. In Enterprise Manager select the server to configure. Select **Maintenance->HTTPS Configuration**.

2. Click on the **HTTPS Off** radio button.

3. Click on the Save icon.

Note: All servers in the network must be configured in the same manner. When HTTPS is turned off, remember to use the proper

URL when accessing Enterprise Manager. The default is: http://serverName:8080/oamp.