JBoss (Red Hat EAP / WildFly) Integration Guide

Overview

CertSecure Manager automates SSL/TLS renewal for JBoss (Red Hat EAP / WildFly) servers through the agentless Renewal Manager, a Windows service that works alongside CertSecure Manager.

Configuration Steps

Step 1: Deploy the Renewal Manager Service

- Provision a Windows Server (2016 or later) that will run the Renewal Manager as a Windows service.
- In CertSecure Manager, go to `Utilities → Integrations → Renewal Manager`.
- Click the JBoss (Red Hat EAP / WildFly) application icon, then click Download to obtain the Renewal Manager installer.
- On the same page, generate the Registration Token required during service installation.
- Install and start the Renewal Manager Windows service, supplying the registration token when prompted.

Step 2: Prepare the JBoss (Red Hat EAP / WildFly) Endpoint

- Ensure the Renewal Manager host can make outbound connections to each JBoss (Red Hat EAP / WildFly) endpoint on its TLS port — the service uses this for both the expiry-check handshake and certificate deployment.
- Confirm firewalls, security groups, and network segmentation allow that traffic; unreachable endpoints show as "failed to check expiry" in the renewal report.
- For each endpoint, note the certificate file path and private key path on the server (PEM format expected).

Note: Certificate/key paths are not required for IIS endpoints. For JBoss (Red Hat EAP / WildFly) deployments that use a Java keystore rather than PEM files, confirm the expected path handling against your environment.

Step 3: Add the JBoss (Red Hat EAP / WildFly) Server in CertSecure Manager

- In `Utilities → Integrations → Renewal Manager`, select the JBoss (Red Hat EAP / WildFly) application type.
- Click Add Server and provide the server details:
  - **Certificate Authority:** the CA the certificates should be issued from
  - **Template:** the certificate template
  - **Owner:** the certificate owner
  - **Endpoint IP or Hostname:** the endpoint address (one is required)
  - **Port:** the TLS port the endpoint serves on
  - **Certificate Path:** file path to the PEM certificate on the endpoint
  - **Key Path:** file path to the PEM private key on the endpoint
- Save the server entry. Repeat for each JBoss (Red Hat EAP / WildFly) endpoint.

Step 4: Renew and Automate

- Manually renew by right-clicking the server/endpoint and selecting Renew, or use Schedule Renewal.
- To fully automate, enable the Automation Status toggle so the Renewal Manager renews and redeploys on schedule.