| **Subsystem Name** | **JBoss 7.3 Structure/Location** | **JBoss 8 Structure/Location** | **Key Differences / Migration Notes** |
| --- | --- | --- | --- |
| **datasources** | <subsystem xmlns="...datasources..."> | <subsystem xmlns="...datasources..."> | Mostly compatible; check for deprecated attributes and new validation options in EAP 8. |
| **resource-adapters** | <subsystem xmlns="...resource-adapters..."> | <subsystem xmlns="...resource-adapters..."> | Largely compatible; review for updated schema and new/removed config options. |
| **messaging-activemq** | <subsystem xmlns="...messaging-activemq..."> | <subsystem xmlns="...messaging-activemq..."> | EAP 8 may have updated schema and defaults; review for new features and deprecated elements. |
| **jms-destinations** | <subsystem><jms-destinations>...</jms-destinations></subsystem> | <subsystem><jms-destinations>...</jms-destinations></subsystem> | Structure is similar, but EAP 8 may require explicit configuration for new features. |
| **security** | <subsystem xmlns="...security..."> | <subsystem xmlns="...elytron..."> (Elytron replaces PicketBox) | Major change: Elytron is default in EAP 8. Migration from legacy security to Elytron is required. |
| **elytron** | Not present by default | <subsystem xmlns="...elytron..."> | New in EAP 8; provides unified security framework. |
| **web** | <subsystem xmlns="...web..."> | <subsystem xmlns="...undertow..."> | Undertow replaces legacy web subsystem. Migration of web config is needed. |
| **undertow** | Not present | <subsystem xmlns="...undertow..."> | New in EAP 8; modern web server. |
| **transactions** | <subsystem xmlns="...transactions..."> | <subsystem xmlns="...transactions..."> | Largely compatible; review for schema updates. |
| **logging** | <subsystem xmlns="...logging..."> | <subsystem xmlns="...logging..."> | Mostly compatible; some new features and log handler options in EAP 8. |
| **deployment-scanner** | <subsystem xmlns="...deployment-scanner..."> | <subsystem xmlns="...deployment-scanner..."> | Compatible; minor schema updates possible. |
| **infinispan** | <subsystem xmlns="...infinispan..."> | <subsystem xmlns="...infinispan..."> | Schema updates and new features in EAP 8; review cache configuration. |
| **modcluster** | <subsystem xmlns="...modcluster..."> | <subsystem xmlns="...modcluster..."> | Compatible; check for new attributes and defaults. |
| **ee** | <subsystem xmlns="...ee..."> | <subsystem xmlns="...ee..."> | Compatible; review for new EE features in EAP 8. |
| **jca** | <subsystem xmlns="...jca..."> | <subsystem xmlns="...jca..."> | Compatible; minor updates possible. |
| **remoting** | <subsystem xmlns="...remoting..."> | <subsystem xmlns="...remoting..."> | Compatible; review for new security integration with Elytron. |
| **batch-jberet** | <subsystem xmlns="...batch-jberet..."> | <subsystem xmlns="...batch-jberet..."> | Compatible; review for schema updates. |
| **admin-objects** | <admin-objects> under resource-adapters | <admin-objects> under resource-adapters | Structure is similar; review for schema updates and new config options. |

**Key Migration Notes:**

* **Security:**
  + JBoss 8 uses **Elytron** as the default security subsystem, replacing legacy security (security subsystem).
  + Migration of security domains and authentication mechanisms is required.
* **Web/HTTP:**
  + **Undertow** replaces the legacy web subsystem.
* **Schema Versions:**
  + XML namespaces and schema versions are updated in EAP 8. Always check the xmlns attributes.
* **Subsystem Compatibility:**
  + Most subsystems retain similar structure, but always review the [EAP 8 migration guide](vscode-file://vscode-app/c:/Users/nlaxm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html) for deprecated/removed elements and new features.

To **analyze your existing JBoss 7.3 standalone-ha.xml** and determine which subsystems require a complete re-write for JBoss 8 compatibility, follow these best options:

**1. Automated Analysis Tools**

* **JBoss Migration Toolkit (RHAMT/Windup):**  
  The [Red Hat Migration Toolkit for Applications (RHAMT)](vscode-file://vscode-app/c:/Users/nlaxm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html) (formerly Windup) can scan your configuration files and application code, generating a detailed report on:
  + Unsupported subsystems
  + Deprecated features
  + Required rewrites and migration hints

**How to use:**

* + Download and install RHAMT.
  + Run it against your JBoss 7.3 configuration:

./rhamt-cli --input /path/to/standalone-ha.xml --output /path/to/report

* + Review the generated HTML report for subsystem compatibility.

**2. Manual Review with Reference Table**

* Use the [official JBoss EAP 8 migration guide](vscode-file://vscode-app/c:/Users/nlaxm/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html) and compare your <subsystem> entries in standalone-ha.xml to the list of supported subsystems in JBoss 8.
* Focus on these subsystems, which **require a complete re-write**:
  + <subsystem xmlns="urn:jboss:domain:security:..."> → **Must migrate to Elytron**
  + <subsystem xmlns="urn:jboss:domain:web:..."> → **Must migrate to Undertow**
  + <subsystem xmlns="urn:jboss:domain:jacorb:..."> → **No longer supported**
  + <subsystem xmlns="urn:jboss:domain:messaging:..."> (HornetQ) → **Migrate to messaging-activemq**
  + <subsystem xmlns="urn:jboss:domain:cmp:..."> → **No longer supported**
  + <subsystem xmlns="urn:jboss:domain:jbossws:..."> (legacy webservices) → **Update to new webservices subsystem**

**3. Scripted XML Check (Python Example)**

You can use a Python script to parse your standalone-ha.xml and flag subsystems that need a rewrite:

import xml.etree.ElementTree as ET

rewrite\_namespaces = [

    "urn:jboss:domain:security",

    "urn:jboss:domain:web",

    "urn:jboss:domain:jacorb",

    "urn:jboss:domain:messaging",

    "urn:jboss:domain:cmp",

    "urn:jboss:domain:jbossws"

]

tree = ET.parse("standalone-ha.xml")

root = tree.getroot()

profile = root.find('profile')

print("Subsystems requiring rewrite for JBoss 8:")

for subsystem in profile.findall('subsystem'):

    ns = subsystem.tag

    for rewrite\_ns in rewrite\_namespaces:

        if rewrite\_ns in ns:

            print(f" - {ns}")

**Summary Table**

| **Subsystem (JBoss 7.3)** | **JBoss 8 Status** | **Action Needed** |
| --- | --- | --- |
| security | Not supported | Rewrite (Elytron) |
| web | Not supported | Rewrite (Undertow) |
| jacorb | Not supported | Remove/Rewrite |
| messaging (HornetQ) | Not supported | Rewrite (ActiveMQ) |
| cmp | Not supported | Remove/Rewrite |
| jbossws (legacy) | Not supported | Rewrite/Update |

**Recommendation:**

* **Use RHAMT/Windup** for the most thorough and automated analysis.
* **Supplement with a script** for a quick check.
* **Consult the migration guide** for detailed rewrite instructions.

Let me know if you want a ready-to-run script or more details on any subsystem!