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# JBoss Operations Network Provisioning

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# Overview of JBoss ON Provisioning

- What is Provisioning?
  - **Provisioning** refers to the packaging of a set of files and pushing them out to remote machines.
- Bundles
  - The set of files is called a **bundle**.
- JBoss ON provides an intuitive and powerful interface to provision your bundles onto your monitored platforms and servers.

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# Provisioning Terminology

- **Versions**

- Every bundle has a specific name and version, which together is referred to as a **bundle version**.

- **Destinations**

- The specific machines and folders where a bundle is to be unzipped is referred to as a **destination**.

- **Recipe File**

- Every bundle has an XML file called a **recipe** that lists the contents of the bundle as well as what to do with the content during provisioning (using Ant tasks).



# A Sample Recipe File

```
<project name="ews_deploy" default="main" xmlns:rhq="antlib:org.rhq.bundle">
  <rhq:bundle name="EWS Bundle" version="2.0">
    <rhq:deployment-unit name="ews"
      preinstallTarget="notify-starting"
      postinstallTarget="delete-tomcat5">
      <rhq:archive name="jboss-ews-1.0.1.zip"></rhq:archive>
    </rhq:deployment-unit>
  </rhq:bundle>
  <target name="notify-starting">
    <echo message="Starting My EWS Bundle..."></echo>
  </target>
  <target name="main"></target>
  <target name="delete-tomcat5">
    <delete dir="{rhq.deploy.dir}/jboss-ews-1.0/tomcat5"></delete>
  </target>
</project>
```

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# Hands-On Exercise

- In this hands-on exercise, you will use the JBoss Operations Network to deploy JBoss EAP onto your machine using a recipe file that is provided for you.

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