RED HAT'S SUBSCRIPTION GUIDE FOR JBOSS ENTERPRISE MIDDLEWARE

A GUIDE TO UNDERSTANDING RED HAT'S FLEXIBLE CONSUMPTION MODEL FOR JBOSS ENTERPRISE MIDDLEWARE

NOVEMBER 2010

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1. JBOSS ENTERPRISE MIDDLEWARE SUBSCRIPTIONS

Red Hat provides software subscriptions for JBoss Enterprise Middleware products that enable ongoing value throughout entire subscription terms. Features and benefits of the JBoss Enterprise Middleware subscription include:

- **Predictability:** Subscriptions are offered on an annual basis and include access to new versions at no additional cost; therefore, there are no large upfront license fees or hidden costs.
- **Integrated and certified enterprise platforms:** Access to enterprise open source middleware platforms, in source and binary forms, along with enterprise product documentation specific to each product release
- **Regular upgrades and updates:** Provide enhancements, new features, new platform certifications, and access to the latest defect and security fixes
- **Security Response:** Subscriptions include Red Hat's industry-recognized security response process to help customers proactively address potential security issues in their environments.
- **Long-term Stability:** Each JBoss Enterprise Middleware product has a defined multi-year product life-cycle with strict update policies that maintain application stability and compatibility for the long-term.
- **World-class Technical Support:** Unlimited incident support from the open source middleware experts, with coverage up to 24x7 with one-hour response time for critical issues
- **Red Hat Customer Portal Access:** A single portal for accessing all of the benefits of a Red Hat subscription, including: enterprise software delivery, product updates, critical issue notifications, knowledgebase access, and case management
- **Partner Certifications:** Deploy solutions with confidence that your enterprise middleware is fully certified by leading Red Hat ISV partners.
- **Legal Assurance:** The Red Hat Open Source Assurance program safeguards customers who are developing and deploying open source solutions from legal harm.

To help users properly size their JBoss Enterprise Middleware environments, Red Hat provides the following guidelines that cover common types of deployment scenarios.

2. SUBSCRIPTION SIZING GUIDELINES

Subscriptions to JBoss Enterprise Middleware products are provided in a virtualization-friendly model, consumed in increments of 16 and/or 64 processor core bands, and backed by a choice of enterprise service levels that support any type of mission-critical deployment. Key features of the JBoss consumption model include:

- Processor cores can be virtual or physical, making them ideally suited for the growing trend toward virtualizing middleware workloads.
- Customers are free to choose the types of processor cores that make sense for their environments; different types of processor cores are treated the same.
- Technical support covers issues across the entire application lifecycle, from development to deployment management, across any supported environment.
- A subscription for any individual JBoss Enterprise Middleware product includes development use for all of the products in the JBoss Enterprise Middleware portfolio.

Red Hat's subscription model for JBoss Enterprise Middleware provides customers with a simple and easy way to consume their enterprise middleware software.

2.1 JBOSS ENTERPRISE MIDDLEWARE PRODUCTS

The subscription sizing guidelines covered in this guide apply to the following JBoss Enterprise Middleware products:

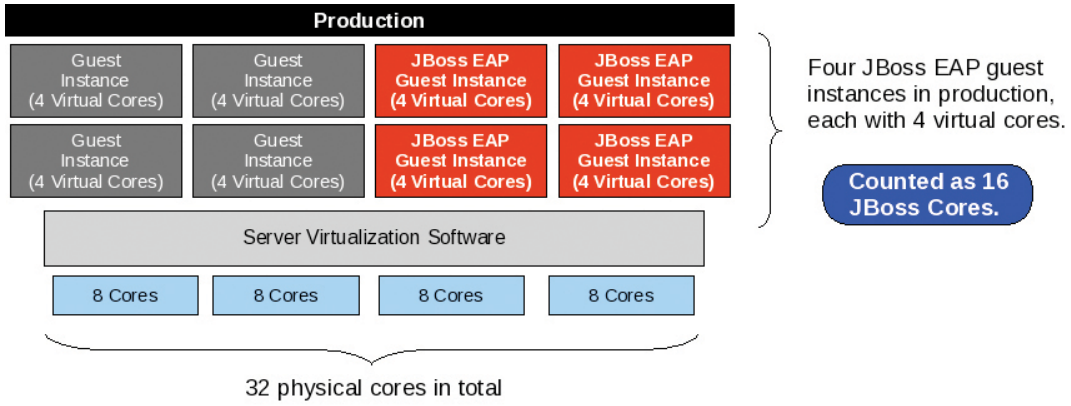
- JBoss Enterprise Web Server
- JBoss Enterprise Web Platform
- JBoss Enterprise Application Platform
- JBoss Enterprise Portal Platform
- JBoss Enterprise SOA Platform
- JBoss Enterprise BRMS
- JBoss Operations Network

While certain JBoss Enterprise Middleware products are used throughout this guide to help illustrate a sizing example, the subscription sizing guidelines covered in the document apply only to the JBoss Enterprise Middleware products listed above.

3.1 VIRTUAL DEPLOYMENT EXAMPLE

With JBoss Enterprise Middleware subscriptions, cores can be either physical processor cores or virtual processor cores. When using server virtualization software, the total virtual cores assigned to the JBoss Enterprise Middleware product are counted. In many cases, this may be less than the total number of physical cores available to the server virtualization software.

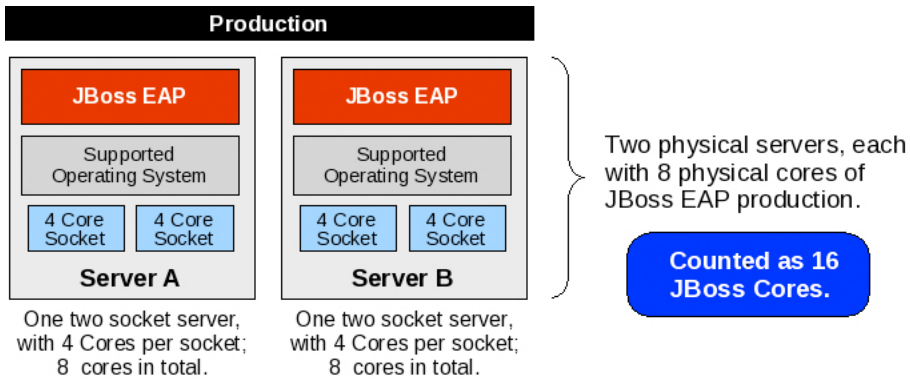
VIRTUAL DEPLOYMENT EXAMPLE



3.2 PHYSICAL, NON-VIRTUALIZED DEPLOYMENT EXAMPLE

When deploying JBoss Enterprise Middleware in a physical, non-virtualized environment, the total number of physical cores are counted.

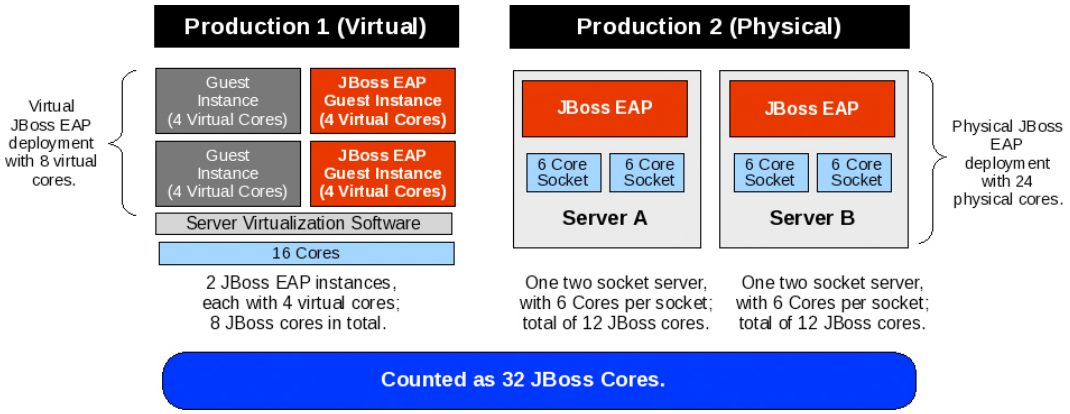
PHYSICAL, NON-VIRTUALIZED DEPLOYMENT EXAMPLE



3.3 MIXED PHYSICAL AND VIRTUAL DEPLOYMENT EXAMPLE

When deploying JBoss Enterprise Middleware in mixed environments, where some JBoss Enterprise Middleware product deployments are physical and other deployments of that same product are virtual, cores across both environments should be counted.

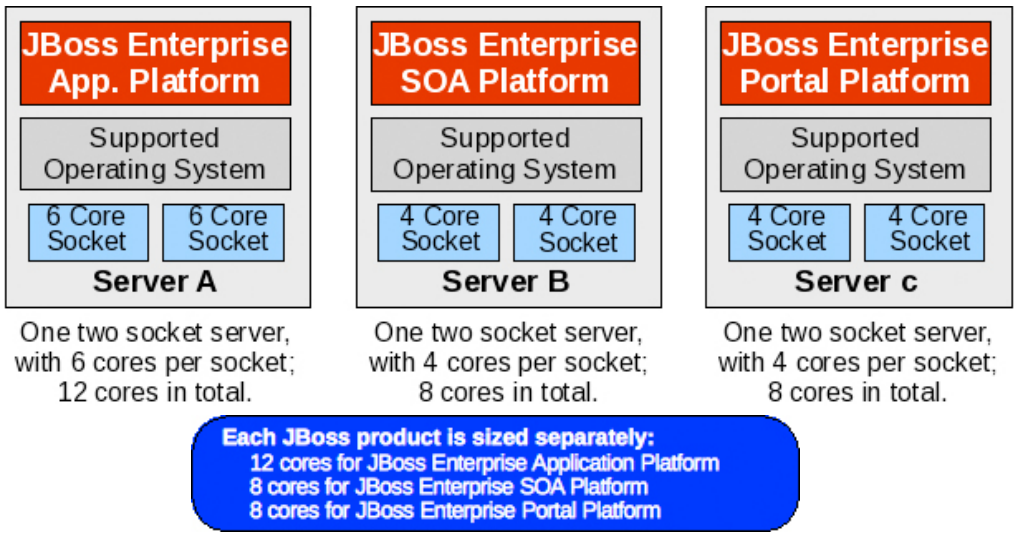
MIXED PHYSICAL AND PHYSICAL DEPLOYMENT EXAMPLE



3.4 MULTIPLE JBOSS ENTERPRISE MIDDLEWARE PRODUCT DEPLOYMENTS

When multiple JBoss Enterprise Middleware products are deployed, whether they exist on the same server or on different servers, each JBoss Enterprise Middleware product should be sized separately.

MULTIPLE JBOSS ENTERPRISE MIDDLEWARE PRODUCT DEPLOYMENTS

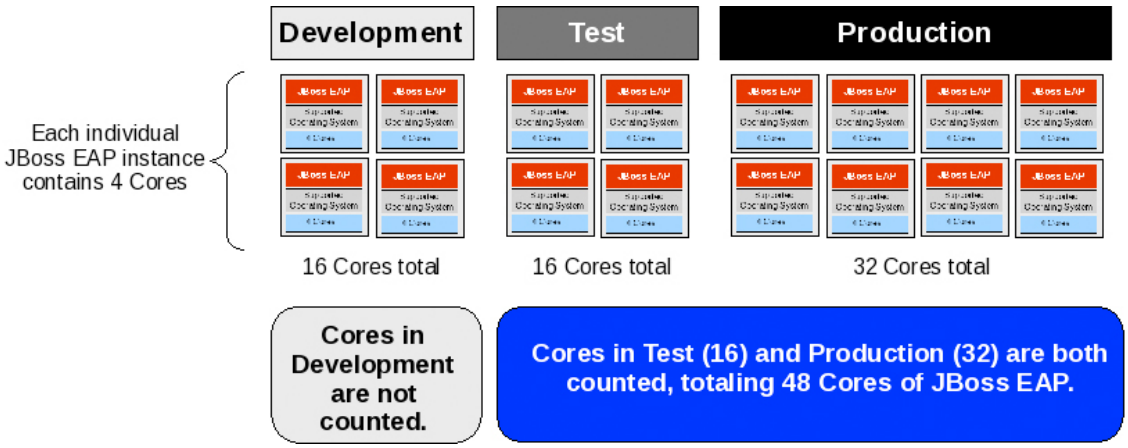


3.5 DEPLOYING ACROSS DEVELOPMENT, TEST, AND PRODUCTION ENVIRONMENTS

When deploying JBoss Enterprise Middleware, the virtual or physical cores across test, production, and "hot" disaster recovery/failover environments should be totaled. In test environments, business users might be testing early versions of a given application or conducting various application functionality, performance, or integration testing.

For development environments, the total number of users (e.g., developers), rather than cores, is counted. In development environments (e.g. laptops, workstations, or servers), developers are writing application code. Applications in this environment may be incomplete or going through considerable change. With the JBoss Enterprise Middleware subscription model, for every 16 cores under subscription, 25 users are provided with development use for all JBoss Enterprise Middleware products.

DEPLOYING ACROSS DEVELOPMENT, TEST, AND PRODUCTION ENVIRONMENTS

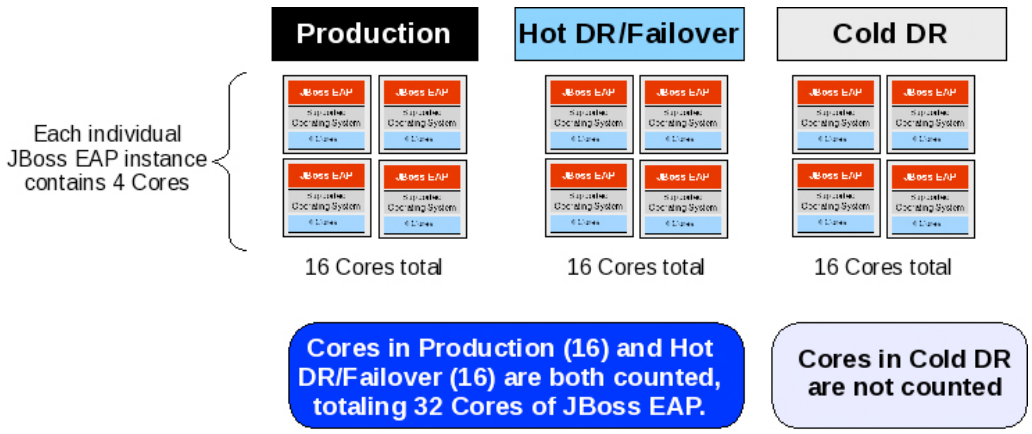


3.6 DEPLOYING JBOSS ENTERPRISE MIDDLEWARE IN DISASTER RECOVERY

When deploying JBoss Enterprise Middleware deployments in disaster recovery environments, virtual or physical cores across "hot" disaster recovery/failover should be included as part of the total core count.

Cores in "cold" disaster recovery are not counted. If a disaster were to occur and production systems under subscription were no longer available, customers can temporarily transfer their pre-existing production subscriptions that are no longer in use to their disaster recovery environments (making "cold" disaster recovery a temporary production environment).

DEPLOYING JBOSS ENTERPRISE MIDDLEWARE IN DISASTER RECOVERY



4. ADDITIONAL INFORMATION

For additional information on JBoss Enterprise Middleware, please visit redhat.com or contact your Red Hat account manager.

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