

# **Red Hat JBoss Data Grid Development (JB453VT)**

**Modality:** Virtual Classroom

**Duration:** 5 Days

## **About this course:**

**Learn how to install a data grid, develop a cache-based application, cluster and secure caches, and more**

Red Hat® JBoss® Data Grid Development (JB453) focuses on the configuration of caches and manipulation of cache entries. Students will learn how to access caches in library and remote modes (clustered and non-clustered). In addition, students will learn how to secure data grids, encrypt data grid communications, and search the data grid.

## **Course Objective:**

- Understand data grids and Red Hat JBoss Data Grid
- Install Red Hat JBoss Data Grid
- Develop a cache-based application
- Access a remote cache
- Cluster caches
- Persist the cache
- Secure the cache
- Search the data grid

## **Audience:**

- Java developers
- DevOps professionals who will administer Red Hat JBoss Data Grid

## **Prerequisite:**

- Java programming skills
- Red Hat JBoss Developer Studio or Eclipse experience

## **Course Outline:**

### **Red Hat JBoss Data Grid overview**

Learn about the features and architecture of Red Hat JBoss Data Grid.

### **Install Red Hat JBoss Data Grid**

Install Red Hat JBoss Data Grid and configure the development environment.

## **Develop a cache-based application**

Code, compile, and test an application that uses the Red Hat JBoss Data Grid cache.

## **Access a remote cache**

Access a cache with remote cache managers using a variety of connector types.

## **Configure eviction and expiration of cache entries**

Evict and expire cache entries.

## **Maintain cache integrity**

Maintain cache integrity with transactions and locking.

## **Clustering caches**

Configure, manage, and optimize clustered caches.

## **Persist the cache**

Back up the memory cache with a persistent cache store.

## **Secure the cache**

Restrict access to cache managers and caches.

## **Search the cache**

Query the cache elements using the Infinispan query features.

## **Course review**

Continue practicing developing applications with caching using the material presented in this course.