# Overview

This document logs the step-by-step operations while setting up KIE-DROOLS on CentOS

NOTE:

1. The version deployed on the current instances may not be up-to-date. Use the following tutorial may install a newer version, which, in the worst case, leads to version incompatibility with the other COTS or scripts. Please refer to the version # in the “Overview of the current infrastructure” and try to install the specified version.
2. Please refer to the “Dependencies” in the “Overview of the current infrastructure” to check any prerequisite for installation.

# Installation

In the latest prototype, we skip this item. It’s an optional installation

1. From local machine, upload required packages the server
   1. btm-dependencies.tar.gz
   2. btm-config.properties
   3. resources.properties
   4. kie-server-6.4.0.Final-webc.war
   5. kie-wb-distribution-wars-6.4.0.Final-tomcat7.war

For example,

**scp -i /path/to/USC-Jeff-Key.pem /path/to/required/packages centos@ec2-54-67-99-52.us-west-1.compute.amazonaws.com:~/**

1. Copy kie-server-6.4.0.Final-webc.war and kie-wb-distribution-wars-6.4.0.Final-tomcat7.war to tomcat, and rename them

**sudo cp ./kie-server-6.4.0.Final-webc.war /usr/share/tomcat/webapps/kie-server.war**

**sudo cp ./kie-wb-distribution-wars-6.4.0.Final-tomcat7.war /usr/share/tomcat/webapps/kie-wb.war**

1. Update tomcat lib and create tomcat resource file

**tar xvzf btm-dependencies.tar.gz**

**sudo cp ./btm-dependencies/\* /usr/share/tomcat/lib**

**sudo cp ./resources.properties /usr/share/tomcat/conf**

1. Add new user to tomcat

**sudo vi /usr/share/tomcat/tomcat-users.xml**

Add the following roles and users

**<role rolename="admin"/>**

**<role rolename="user"/>**

**<role rolename="kie-server"/>**

**<user username="workbench" password="workbench1!" roles="admin,kie-server"/>**

**<user username="kieserver" password="kieserver1!" roles="kie-server"/>**

1. Update startup environment of Tomcat for KIE-DROOLS

**sudo vi /usr/share/tomcat/conf/catalina.properties**

Add following setting at the end of this file:

**# configuration for KIE**

**catalina.home=/usr/share/tomcat/**

**catalina.base=/usr/share/tomcat/**

**java.endorsed.dirs=/usr/share/tomcat/endorsed**

**java.io.tmpdir=/usr/share/tomcat/temp**

**java.util.logging.manager=org.apache.juli.ClassLoaderLogManager**

**java.util.logging.config.file=/usr/share/tomcat/conf/logging.properties**

**btm.root=/usr/share/tomcat/**

**org.jbpm.cdi.bm=java:comp/env/BeanManager**

**bitronix.tm.configuration=/usr/share/tomcat/conf/btm-config.properties**

**jbpm.tsr.jndi.lookup=java:comp/env/TransactionSynchronizationRegistry**

**java.security.auth.login.config=/usr/share/tomcat/webapps/kie-wb/WEB-INF/classes/login.config**

**org.kie.server.persistence.ds=java:comp/env/jdbc/jbpm**

**org.kie.server.persistence.tm=org.hibernate.service.jta.platform.internal.BitronixJtaPlatform**

**org.kie.server.id=tomcat-kieserver**

**org.kie.server.location=http://ec2-54-67-99-52.us-west-1.compute.amazonaws.com:8686/kie-server/services/rest/server**

**org.kie.server.controller=http://ec2-54-67-99-52.us-west-1.compute.amazonaws.com:8686/kie-wb/rest/controller**

Please note that the ip address of the last two variables should be matched to the current instance

1. Restart tomcat, it will take a few minutes

**sudo systemctl restart tomcat**

1. Try to visit KIE-DROOLS from a browser, for example

http://ec2-54-67-99-52.us-west-1.compute.amazonaws.com:8686/kie-wb/

With credential: workbench(workbench1!)