

Cluster Rules Manager (CRM) - System Requirements

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Fling version 1.0

This user guide describes the system requirements before installing or deploying this Fling.

Requirements for the application/Fling

Before you start deploying/installing the Fling, consider the prerequisites:

- Install Apache tomcat, a database server & JDK (Java) (Download links are given in one of below sections)

Note: Before installing above software components, ensure that system requirements mentioned below are followed.

- As this Fling is light weighted, administrators can deploy it either in their local system or, in one of the VMs.
- You can use the existing database server, a local database for the Fling to be deployed or an external database server.
- The minimum and recommended system specifications:
 - Any operating system, which supports Apache tomcat, a database server & JDK (Java)
 - CPU:2.0 GHz
 - Memory: 2 GB
 - Disk space: 10 GB

Note: The requirements do not include the OS and Database Server installation.

- Apache Tomcat Server versions used:
 - apache-tomcat-7.0.55-windows-x86
 - apache-tomcat-8.0.18-windows-x64
- Download the latest version of Apache Tomcat Server from <http://tomcat.apache.org/download-80.cgi>
- Database supported are Microsoft SQL Server, Oracle and MySQL.
- Database servers used:
 - Microsoft SQL Server 2012 SP1
 - My SQL 5.1/5.6
 - Oracle 11G R2

Note: If you have an existing database server, you can skip database installation

- Download the latest version of MySQL server from <http://dev.mysql.com/downloads/windows/installer/5.6.html>
- Download the latest version of Microsoft SQL server from <http://www.microsoft.com/en-in/server-cloud/products/sql-server/try.aspx>

- Download the latest version of Oracle database from <http://www.oracle.com/technetwork/database/enterprise-edition/downloads/index-092322.html>
- If the database server is pre-installed, create database schema using steps below.
 - Refer to <http://www.wikihow.com/Create-a-Database-in-MySQL> to create database/schema in MySQL
 - Refer to <https://www.youtube.com/watch?v=WKWZZcrin5I> to create database/schema in Microsoft SQL server
 - Refer to <https://www.youtube.com/watch?v=pfgSbygg5sE> to create database/schema in Oracle

Note: Grant all the privileges to the DB user accessing this schema. In MySQL, grant all privileges using the command `"grant all on <schema_name>.* to '<user>'@'%' identified by '<password>';`

Example: `grant all on crm1.* to 'root'@'%' identified by 'Pa$$w0rd';`

- If database server is remote, you might incur a bit of increase in network latency.
- **JDK** version **1.8** or above must be installed in tomcat-deployed machine.
- Set `JAVA_HOME` environment variable before running tomcat server.
 - To configure `JAVA_HOME` environment in Windows, see https://confluence.atlassian.com/doc/setting-the-java_home-variable-in-windows-8895.html