

System Requirements

- Application Server
- Database
- Client Browser

Application Server

Hardware Requirements

Processor	Dual core Intel Core 2 Duo 2.0 GHz or better
Memory	4GB or more
Disk	2GB free disk space

Software Requirements

Apache Tomcat	Version 8 or higher
Oracle Java	Version 8 or higher
JVM Options	-Xmx768m -XX:MaxPermSize=256m

Database

Hardware Requirements

Processor	Dual core Intel Core 2 Duo 2.0 GHz or better
Memory	4GB or more
Disk	10GB free disk space

HyperSQL Software Requirements

Version	2.3.0
Default Database Files	em.tmp, em.txt, em.properties, em.script, em.lck, em.lobs
Note	HyperSQL is embedded in em.war and runs in the same process as Apache Tomcat.

MySQL Software Requirements

Version	5.6 or 5.7
Engine	InnoDB
Default database name	em
Connections	20 simultaneous or more
Database creation script	mysql_db.sql

Note	<p>In order to use a MySQL database, download mysql-connector-java.jar for MySQL separately and add it to the Tomcat webapps/em/WEB-INF/lib folder.</p> <p>See Installing MySQL and Setting up the Database (MySQL or Oracle) for details on installation and setup.</p>
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Oracle Software Requirements

Version	10g, 11g, or 12c
Default table spaces	EM_DATA, EM_TEMP
Connections	20 simultaneous or more
Database creation script	oracle_db.sql
Notes	<p>In order to use an Oracle database, download the appropriate ojdbc.jar for your Oracle version separately (from http://www.oracle.com/technetwork/database/features/jdbc/index-091264.html) and add it to the Tomcat webapps/em/WEB-INF/lib folder.</p> <p>Before using CTP, you must follow the procedure described in Setting up the Database (MySQL or Oracle).</p> <p>It is assumed that Oracle server is already installed in the company and it is properly administered by the designated persons.</p>

Client Browser

- Microsoft Internet Explorer 11 or Microsoft Edge
- Google Chrome 51+
- Mozilla Firefox 46+
- Mac Safari 9+