



DEXcenter

Version 13 Prerequisites Guide



DEXcenter V13 System Requirements

Server Computer Requirements

- **DEXcenter components**
 - DEXcenter server (DXS): Web GUI, DEXcenter Workflow Controller
 - DEXcenter Translation Servers (DTS): Performs translations and CAD processing
 - DEXcenter Data Store (DDS): Stores data files processed
 - License server: FlexNet license server
 - There is one DXS and DDS for each DEXcenter installation.
 - There can be multiple DTS servers.
 - The DXS, DDS, and DTS can all be on the same computer server or can be distributed across multiple computers each with different Operating Systems.
 - Database server (one of these database servers) (customer prerequisite)
 - Oracle 11 or 12 database (2+ GB tablespace)
 - SQLServer 2014
 - MySQL 5.1+
 - Database client application on DEXcenter DXS (prerequisite)
 - MySQLman (provided for MySQL)
 - SQLplus / SQLdeveloper for Oracle, SQLserver
 - SQLserver Management Studio
- **Operating Systems**
 - DEXcenter server (DXS): Windows Server 2012 or later (x32/x64), Redhat Linux 7
 - DEXcenter Translation Servers (DTS): Windows Server 2012 or later(x32/x64)
 - DEXcenter Data Store (DDS): Any Windows or UNIX system with compatible FTP or SFTP server or mountable data storage
 - OS can be provided on physical hardware or VM systems. VM systems need to be properly configured to support desired performance.
- **Application Server Software**
 - Wildfly 10 (provided), or
 - JBOSS EAP 7.0.0 (pre-requisite)
 - Java JDK version 8 or a newer compatible version is required.
- **Web Authentication Software**
 - Authentication configured through JBOSS spring security
 - DEXcenter internal credentials
 - Alternative LDAP or SSO authentication can be configured
- **Communications**
 - http and / or https ports for web application server access (configurable)
 - a reverse proxy server can be placed before the JBOSS application server for additional security (optional, prerequisite)
 - FTP or SFTP server enabled on DDS and DXS
 - smtp mailserver accessible from DXS and DTS
 - Firewall configurations as necessary
 - http / https to DXS server
 - FTP / SFTP access to DDS from DXS and DTS systems
 - FTP / SFTP access to DXS from DTS systems
 - DTS system access to license servers (CAD, DEXcenter if not local)
 - DXS and DTS access to database server
 - http / https / various jboss ports between DXS and DTS systems

- Smtplib mailserver from DXS and DTS
- **License server**
 - DEXcenter uses FlexNET licensing. The license server can be installed with DEXcenter components or can be installed on a corporate license server. At least two communication ports are needed (typically 32728 and 32729 but others can be configured).
 - CAD applications running on the DEXcenter DTS will need access to their respective license servers
- **Hardware**
 - DEXcenter Translation Server (DTS)
 - Processor, Memory, and Disk requirements of DTS servers are driven primarily by the Applications being executed on the DTS servers and the number of desired simultaneous processes. The DTS should be sized to simultaneously process the maximum number of the largest CAD files expected. Generally mid to high end 64 bit multicore / cpu systems are recommended.
 - Minimum 10 GB disk storage for application installations
 - 10 – 100 GB for working data space
 - Minimum 4 – 16 GB of memory
 - DEXcenter Server (DXS)
 - Processor – at least a low to mid level 64 bit multicore / cpu system.
 - Memory – 4 GB or greater
 - Disk – 10 GB or greater
 - The DXS executes the application server software (JBOSS), the Camunda workflow engine, and various DEXcenter components.
 - DEXcenter Data Store (DDS)
 - Processor, Memory – sufficient power to process the largest files to be exchanged quickly using FTP or SFTP or shared disk
 - Disk – 20 to 100 GB typically. Depends upon the number of files being exchanged, their size, and the length of time they are to be kept.
 - If DXS, DTS, and / or DDS are enabled on the same computer, then combined requirements of each component apply
 - Database
 - 1-2 GB tablespace
 - A DEXcenter user for each system accessing it (DXS and separate DTS)

Client Computer Requirements

- **Communications**
 - Network communications to the DEXcenter DXS server
- **Web browsers**
 - Internet Explorer 11 or later
 - Mozilla Firefox 59 or later
 - Javascript enabled