

# Requirements for SQL Mode and JobTrack

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cncKad Server (**Metalix** Application Server) is required for working in SQL mode with **JobTrack**. It can be installed on any Windows platform and version, except Home Editions; however, it is highly recommended that you use a host with the following configuration:

- **Mandatory:** The host designated for cncKad Server must be part of a Windows Active Directory domain. All hosts configured for **Metalix** applications (**cncKad**, **MBend**, and **CAD Link**) operating in SQL mode should be part of the same domain.
- **Mandatory:** while the host must be part of a Windows domain, it cannot be a domain controller machine (neither PDC nor BDC).
- An on-site network/system administrator (even part time) with administrative access to the domain and responsibility for SQL Server backup.
- X64 CPU with at least a four-core CPU (i5 or i7) and at least 8GB physical memory.
- Windows x64 server platform: Windows Server 2008 R2 or later, Windows Server 2012 or Windows Server 2012 R2.
- MS Access (MS Office) x86 and MS Access Database Engine x86 should not be installed on the host. If Microsoft Access database engine 2010 x64 version 14.0.4763.1000 (or earlier) is present, the SQL Mode installation will tell you to manually remove it and will then install a newer version.
- A system drive where the Windows folder resides (usually C:) with at least 20 GB free disk space.
- Where **JobTrack** is to be installed and used, a centrally shared (and mapped) volume for hosting part and daily job files. This volume should be visible on every host where **JobTrack** is used and mapped to the same drive letter. The required free space on volume where this share resides depends on the number of part and daily job files planned to be hosted in **JobTrack**. As a rough estimation, ten thousand part files and one thousand daily job files require about half a gigabyte of disk space. When stand-alone **JobTrack Terminal** is installed, hosts also should map the central parts and daily job volume. For these users the volume can be shared in read-only mode only.
- A dedicated SQL Server instance for SQL mode, either installed by the SQL mode installation program or pre-installed on the cncKad Server host. The SQL mode installation installs SQL Server 2008 R2 x64 Express Edition (free license version).
- If a pre-installed SQL Server is used for SQL mode, it should be an SQL Server 2008 R2 x64 or SQL Server Sp3 x64 (of any edition; whether Express, Standard, or Enterprise) installed and configured as follows:
  - Unique instance name (recommended to use the **Metalix** installation instance name, CKSQLSERVER)
  - Latin case-insensitive collation
  - TCP/IP protocol enabled
  - Remote connections enabled

- Authentication set to mixed mode, where both SQL Server and Windows NT authentication modes are enabled
- Password set for administrative user **sa** and password known to the on-site network administrator
- **SQLBrowser** service installed and configured to run automatically
- The SQL Server should be periodically (preferably, daily) backed up to allow data restoration in an emergency.