

# Requirements

If any of these requirements are problematic for you (or your organisation), we'd love to hear about it by [email](#).

These requirements apply to both parts of SQL Clone:

- 64-bit operating system
- Minimum: Windows Server 2008 R2 or Windows 7
- Recommended: At least Windows Server 2012 or Windows 8
- SQL Server 2008 or later (Express edition is sufficient\*)
- .NET 4.5.2 or later (downloaded as part of installation)

\* Please note: Clones do not circumvent SQL Server Express' 10GB database size limit since SQL Server still perceives the clone as its original size.

## SQL Clone Server requirements

A single central server is required to use SQL Clone within an organization, it co-ordinates agents, and serves the SQL Clone web app.

Requires:

- Access to a SQL Server (2008 or later) for storing configuration data
  - CREATE ANY DATABASE permission on the server to create its configuration database, at least SELECT/UPDATE/INSERT/DELETE permissions on the configuration database
- If using Windows Server 2008r2 or Windows 7, installation upgrades security defaults to match later Windows versions:
  - TLS 1.2 enabled (part of installation)
  - SendTrustedIssuerList disabled (part of installation)
- If using Windows 10 or Windows Server 2016, installation allows Edge to access sites hosted on the local machine:
  - LoopbackExempt permission added to Edge (part of installation)

## SQL Clone Agent requirements

An agent should be installed on the same machine as any SQL Server you wish SQL Clone to use as a source of images, destination for clones, or temporary scratch space for restoring backups.

This requires a user account which has:

- Local admin privileges in order to use the Virtual Disk Service
- Read/write access to network locations where images will be stored
- If you wish to use Windows Authentication for SQL Server:
  - On local SQL Server instances where clones will be created and dropped
    - Membership in the sysadmin fixed server role.
  - On local SQL Server instances images will be created from
    - VIEW ANY DEFINITION

## Offline Installation

For a computer not connected to the internet, you will need to manually install these pre-requisites before running the SQL Clone Agent installer

- Microsoft .NET Framework 4.5.2 <https://www.microsoft.com/en-gb/download/details.aspx?id=42642>