



Right Click Tools System Requirements

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The following requirements must be met to install Right Click Tools with Recast Management Server. Basic system requirements and permissions are needed to install Right Click Tools in Standalone mode.

Basic System Requirements & Permissions

Software

- **Microsoft Configuration Manager:** Supported versions
- **Operating System:** Microsoft-supported versions of Windows 10 and later

Permissions

- The user running the action in the Configuration Manager console must have Local Administrator permissions on the target device.

NOTE: If Local Admin access to devices is not allowed for certain users, you'll need to install Right Click Tools with Recast Management Server and use either a Recast Proxy or a Recast Agent to run actions. For more information, see [Access Denied](#).

Recast Management Server Requirements

Before installing Recast Management Server, ensure that your system meets the following [hardware](#), [software](#), [network](#), and [certificate requirements](#).

Hardware Requirements

The Recast Management Server can be either a physical or a virtual device with local network access. Internet is not a mandatory; however, some features, such as warranty information collection, require internet access.

CPU

| Agents Deployed | CPU |
|-----------------|-----------------------------------|
| < 10K | 4-core minimum, 8-core preferred |
| 10K – 20K | 8-core minimum, 12-core preferred |

| Agents Deployed | CPU |
|-----------------|---|
| > 20K | 8-core minimum, 12-core preferred, with an additional Agent Gateway required on a different server. CPU requirements for each additional Agent Gateway server will depend on the number of Agents connected. |

RAM

| System Component | Recommended Minimum |
|---------------------|---------------------|
| Operating System | 4 GB |
| RMS (core features) | 4 GB |
| Recast Proxy | 256 MB |
| Agent Gateway | 12 GB |
| SQL Server | 8 GB |

Examples

For a system with RMS, Proxy and Gateway located on the same server:
4 GB for the OS + 16 GB for RMS/Proxy/Gateway = 20 GB Total

For a system with SQL Server, RMS, Proxy and Gateway located on the same server:
4 GB for the OS + 8 GB for SQL + 16 GB for RMS/Proxy/Gateway = 28 GB Total

Disk Space

NOTE: All Recast products currently install on the C: drive.

| System Component | Recommended Minimum |
|------------------|---|
| RMS (core) | 1GB |
| Recast Proxy | 512 MB |
| Agent Gateway | 512 MB |
| SQL Server | 50 GB for database files, no snapshots 100 GB for database files, with snapshots |

Agent Gateway Servers

One Agent Gateway is required for every 20K Recast Agents deployed. An Agent Gateway is automatically deployed during Recast Management Server installation. Each additional Agent Gateway must be installed on a different server. The Agent Gateway server can be shared with a Recast Proxy. The Agent Gateway may be load balanced to allow for a single URI for both on-premises and cloud devices.

| Agents Deployed | Agent Gateways |
|-----------------|--|
| < 20K | 1 |
| > 20K | 2 (+ 1 for every additional 20K Agents deployed) |

Agent Gateway Server Hardware Requirements

- 4-core minimum with 16 GB of RAM (4 GB for the OS + 12 GB for the Agent Gateway)
- No SQL server required

Agent Gateway Network Requirements

- Firewall Rules:
 - Inbound - Required, default is TCP/444
 - Outbound - The Agent Gateway server requires access to Recast Management Server on RMS' default port (TCP/444)

SQL Server

For new implementations, we recommend installing the latest version of SQL Server. SQL Standard or Enterprise are recommended; however, the Recast Management Server can use any Microsoft-supported version of SQL Server, including SQL Express. We advise against hosting both SQL Standard and SQL Express on the same server.

The Recast Management Server supports SQL Always On (SQL OA). Additional configuration may be required.

For more information, see [Manually Configure SQL Server Permissions](#) and [Install Recast Management Server with Azure SQL Managed Instance](#).

Software Requirements

Operating System: Microsoft Windows Server 2016 or later

Microsoft .NET Framework: .NET Framework version 4.6.2 or later

IIS: Should install automatically during Recast Management Server installation, if it is not present. Otherwise, you can enable IIS manually in Server Manager.

ASP.NET Hosting Bundle: Should install automatically during Recast Management Server installation, if not already present. You can also install the Hosting Bundle manually in Server Manager. If manually installed, the Hosting Bundle should be enabled after IIS.

Network Requirements

Inbound Network Traffic

The default network port is TCP/444. If you change the port for the website, this firewall rule must be changed to match.

External Domains

Recast Management Server requires outbound access to the following external domains.

For Recast license activation:

- <https://activation.recastsoftware.com>

For Endpoint Insights warranty information collection:

- <https://warranty.recastsoftware.com>

For Application Manager Enterprise:

- <https://amprod02.recastsoftware.com> (TCP/443)
- <https://prod02amappcatalogpub.blob.core.windows.net> (TCP/443)

For Application Manager Standard:

- <https://amprod01.recastsoftware.com> (TCP/443)
- <https://prodamappcatalogpub.blob.core.windows.net> (TCP/443)

Certificate Requirements

The Recast Management Server requires certificates. Recast Software recommends using public certificates or Active Directory certificates (AD CS).

If no certificate is specified during [Recast Management Server installation](#), a self-signed certificate is created and used. Self-signed certificates must be added separately to the [Trusted Root Certificate Authorities store](#) on devices running Right Click Tools, Recast Agent, or Recast Proxy, as these are not deployed by RMS or Recast Agent.