Recast

Recast Management Server Deployment

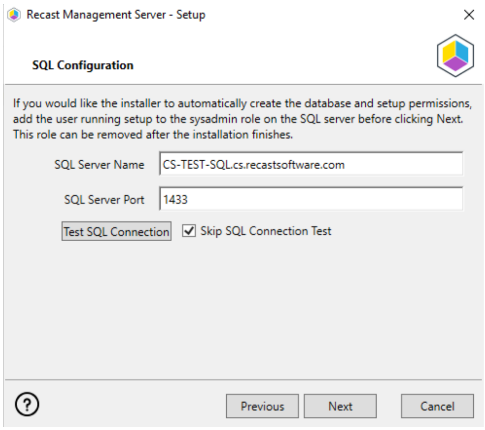
Last Modified on 2026-08-07

SQL Server Permissions

There are two types of permissions that will allow the Recast Management Server installer to automatically create the SQL database with all the necessary permissions:

- The user account running the installation can be assigned a SysAdmin role in the SQL instance. If the user account has permission to connect remotely, use the **Test SQL Connection** button to check connectivity to the SQL Server during the install. After the RMS installer creates the database, the SysAdmin permission can be removed.
  NOTE: Before removing SysAdmin permissions on the newly created database, check that **db_owner** permissions are granted on the database for the **computer account** running the Recast Management Server app pool. Add **db_owner** permissions, if missing. This additional step may only be required for a remote SQL server.

- The computer account of the Recast Management Server can be granted **db_creator** permissions. In this case, check the **Skip SQL Connection Test** box on the installer's **SQL Configuration** page.



Pre-create the RecastManagementServer Database

If the account running the Recast Management Server installer does not have permission to create a SQL database, the database administrator can pre-create a database named **RecastManagementServer** and assign permissions manually.

Remote SQL Server: Where the database is remote from the Recast Management Server, assign **db_owner** permissions on the database to the **computer account** of the Recast Management Server.

Local SQL Server: Where the database is local to the Recast Management Server, assign **db_owner** permissions on the database to the **IIS AppPool\Recast Management Server** account.

NOTE: The IIS AppPool\Recast Management Server account will not exist until after the installation is finished, so **db_owner** permissions will need to be assigned after installation.

Add the Computer Account via SSMS

If the computer account for the Recast Management Server computer does not exist in SQL, users will need to add the computer account manually, as a Login Account in SQL Server Management Studio (SSMS).

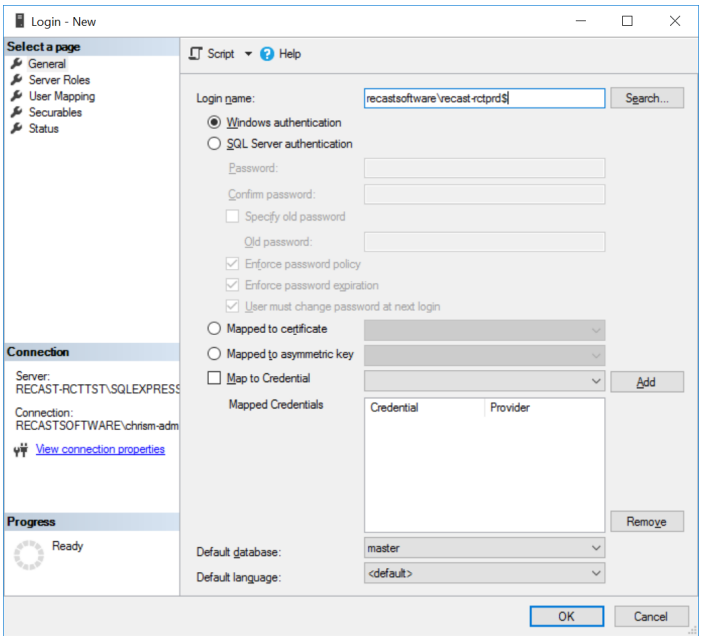
Add the Computer Account as a Login Account

To create the computer account as a login account:

1. Open SSMS and expand the folder of the server instance in which you want to create the new login.

2. Right-click on the Security folder, point to New and select Login.

3. In the **Login – New** window, on the **General** page, enter the Login name of the account in the following format: **<domain name>\<computer name>$**. Including the dollar sign ($) treats the login name as a computer account rather than a user account.



4. On the **User Mapping** page, in the **Users mapped to this login section**, select **RecastManagementServer.**

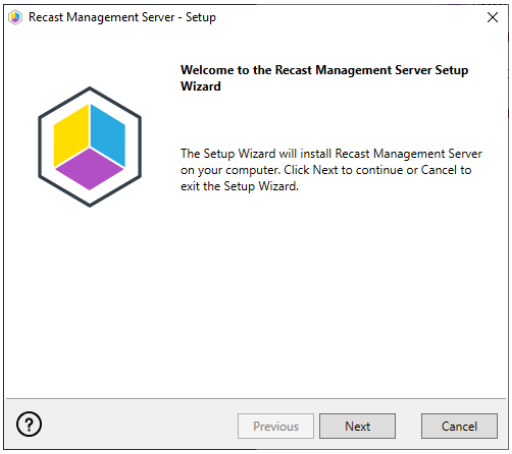
5. In the **Database role membership** section, select **db_owner**.

Install RMS With Proxy

Recast Management Server software can be installed on its own server or on the primary Configuration Manager server. For a step-by-step visual guide to installing and configuring RMS, see our Recast Management Server Installation Tutorial

Run the Recast Management Server Installer

After downloading Recast Management Server from the Recast Portal, run the installer and follow its prompts.

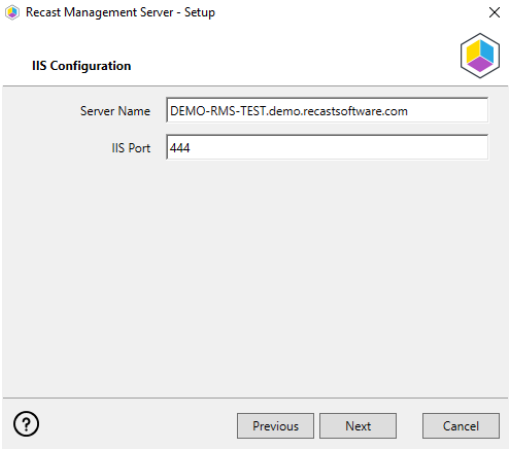


IIS

To configure IIS:

1. On the **IIS Configuration** page, change the **Server Name** only if the client is going to use a DNS alias.

2. Set the **IIS Port**. The default IIS Port is **TCP 444**, to prevent conflicts when Recast Management Server is installed on Configuration Manager servers. The IIS Port can be changed to 443, or any open TCP port, to suit your environment.

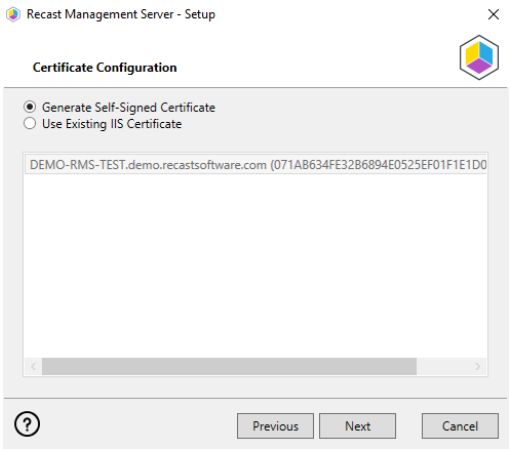


Certificates

Recast Management Server requires a certificate for secure communication with Right Click Tools and any Recast Proxies.

To configure a certificate:

On the **Certificate Configuration** page, we recommend that you **Use an Existing IIS Certificate** issued by a trusted Certificate Authority (CA). If you choose to **Generate a Self-Signed Certificate**, you must import the Recast Management Server self-signed certificate to the Trusted Root Certificate Authorities store on devices running Right Click Tools, Recast Agent, or Recast Proxy.



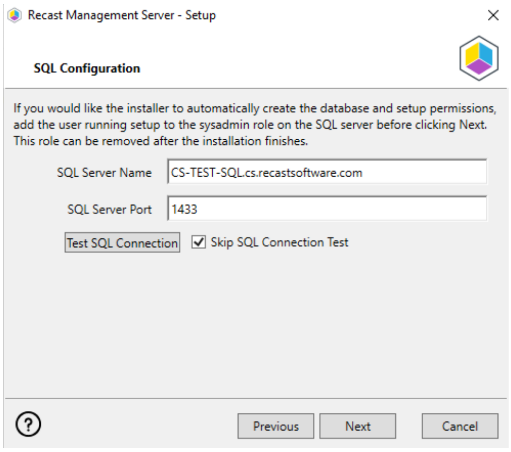
CERTIFICATE NOTES:

- The certificate subject name (or a subject alternative name) should match the server name in the URL that Right Click Tools and Recast Proxies are pointed toward.
- Right Click Tools will prompt for any untrusted certificates and add them to an allowed list.
- The certificate can be changed later by editing the Binding in IIS Manager.

SQL Server

There are two types of permissions that will allow the Recast Management Server installer to automatically create the SQL database with all the necessary permissions:

- The user account running the installation can be assigned a SysAdmin role in the SQL instance. If the user account has permission to connect remotely, use the **Test SQL Connection** button to check connectivity to the SQL Server during the install. After the RMS installer creates the database, the SysAdmin permission can be removed.
- The computer account of the Recast Management Server can be granted **db_creator** permissions. In this case, check the **Skip SQL Connection Test** box.



SQL SERVER NOTES:

- The default SQL Server Port Number is 1433.
- Recast strongly recommends a fully licensed version of SQL to avoid the 10GB storage limitation of SQLExpress. SQLExpress use is only supported for POC implementations of Right Click Tools.
- After the SQL database is created, set the database recovery model to simple to prevent storage issues.
- **Remote SQL Server**: The computer account of Recast Management Server will need db_ownerpermissions to create the database on the remote device. If the account running the Recast Management Server installer does not have permission to create a SQL database, the database administrator can pre-create the RecastManagementServer database and manually give the computer account db_owner permissions.
- **Local SQL Server**: The IIS AppPool\Recast Management Server account will need db_owner permissions to create the database on the local device. Alternatively, the database administrator can pre-create the database and give the IIS AppPool\Recast Management Server account db_owner permissions to the database. The IIS

AppPool\Recast Management Server account will not exist until after the installation completes, so the permissions will need to be given after installation.

Import License

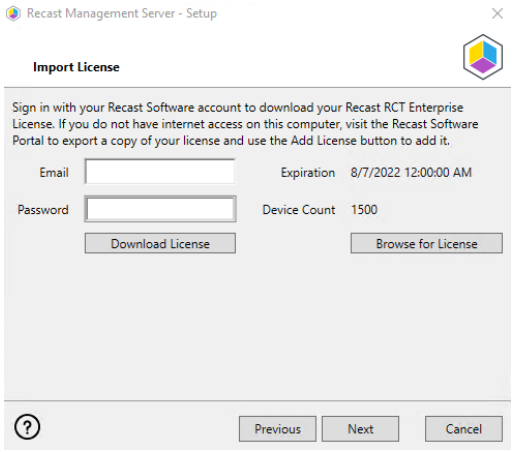
You can download and import your Recast licenses when installing Recast Management Server.

To download your Enterprise license:

1. On the **Import License** page, enter your Recast Portal email address and password.

2. Click **Download License**. The license information will appear in the right-hand column.

NOTE: If your server does not have internet access, click **Browse for License** to browse the filesystem for a license file that has been exported from the Recast Portal.



Proxy

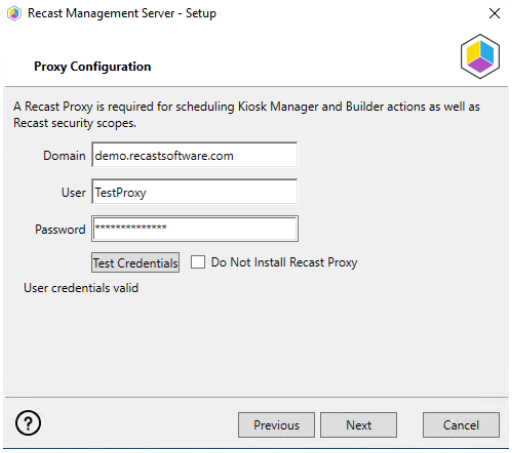
If the Recast Proxy is being installed on a server other than the Recast Management Server, install the Proxy separately after Recast Management Server installation.

NOTE: Proxy configuration is optional for Privileged Access where Active Directory or Entra ID objects are not used to target rules.

To configure the proxy during RMS installation:

On the installer's **Proxy Configuration** page, enter the service account **Domain**, **Username**, and **Password** and click **Test Credentials** to verify service account details.

TIP: If you haven't already set up the required proxy permissions, remove any information from the text fields, select **Test ConfigMgr Connection** and the **Skip ConfigMgr Verification** checkbox, and click **Next.**

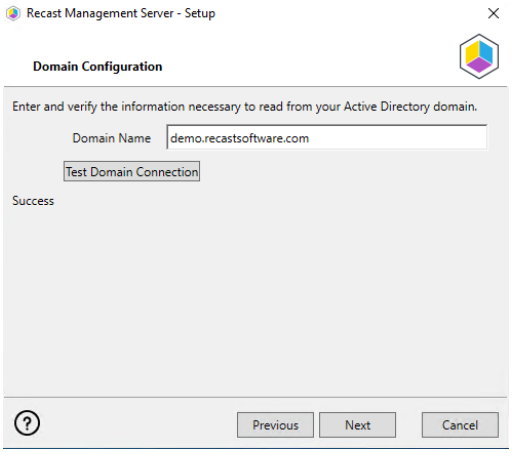


Domain

To configure your domain:

1. On the **Domain Configuration** page, enter the **Domain Name**.

2. Click **Test Domain Connection** to verify that the service account has access to read from your domain. The test should show **Success**.



Configuration Manager

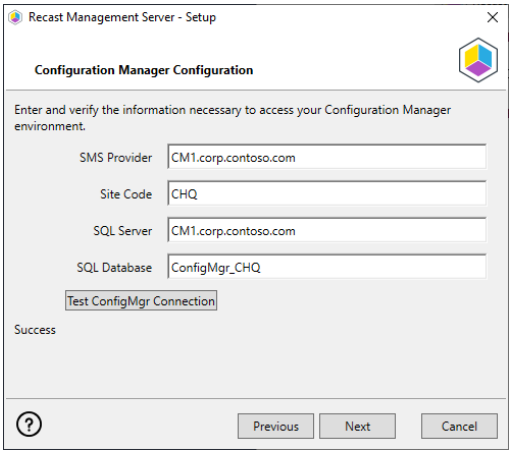
NOTE: Configuration Manager does not need to be set up for Privileged Access.

To set up your Configuration Manager for the proxy:

1. On the **Configuration Manager Configuration** page, enter the following information:
   - Name of the site server that has your **SMS Provider** role
   - **Site Code**
   - Name of the **SQL Server** where your Configuration Manager SQL database is located
   - **SQL Database** name

     NOTE: You can skip the **Configuration Manager Configuration** page during Recast Management Server or Recast Proxy installation by removing any information from the text fields, selecting **Test ConfigMgr Connection** and the **Skip ConfigMgr Verification** checkbox, and clicking **Next.**

2. Click **Test ConfigMgr Connection** to check that the service account has access.



MBAM

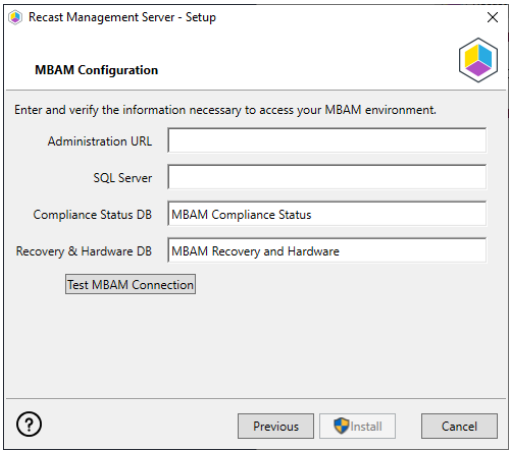
MBAM configuration is only required for a separate MBAM Server. If you are using the ConfigMgr-integrated BitLocker or AD, you can skip this section. MBAM also does not need to be configured for Privileged Access or Patching.

To configure MBAM:

1. Tap **Click Here to Configure MBAM.**

2. Add your **Administration URL** and **SQL Server** information.

3. Click **Test MBAM Connection** to verify that the service account has access to MBAM.



Initiate RMS Installation

Once you have filled in all the necessary information, click **Install** at the bottom of the **MBAM Configuration** page.

When the installation is complete, open the Recast Management Server by navigating to `https://<Server FQDN>:<Port>` in a web browser (Chrome, Edge, or Firefox are recommended).

When asked to sign in, enter the username and password for the account used to install the Recast Management Server.

Installation Log Location

To check the installation logs for Recast Management Server and Recast Proxy (when installed together), navigate to `C:\Users\<user account running the install>\AppData\Local\Temp`

NOTE: The log is named something like Recast_Management_Server_2022*****.log

Recast

RMS Install Tutorial

Follow our step-by-step guide to installing and configuring a Recast Management Server in your environment.

This comprehensive tutorial covers:

- Downloading the installation and license files
- Running the installer and importing the license
- Launching the Recast Management Server website
- Running Recast Management Server health checks
- Setting up user permissions
- Configuring routes and service connections
- Deploying the Recast Agent application

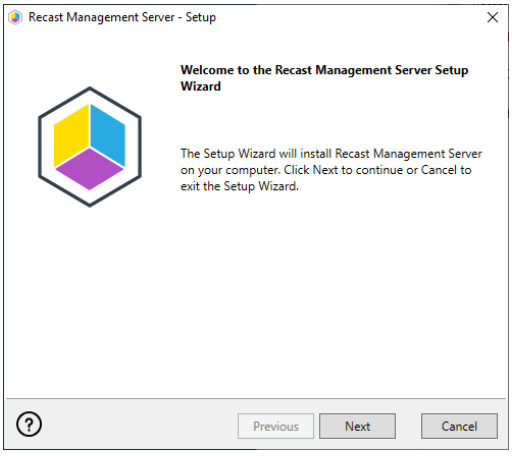
Install RMS Without Proxy

Before installing Recast Management Server, ensure that your system meets the application'shardware and software requirements.

Recast Management Server software can be installed on its own server or on the primary Configuration Manager server. For a step-by-step visual guide to installing and configuring RMS, see our Recast Management Server Installation Tutorial

Run the Recast Management Server Installer

After downloading Recast Management Server from the Recast Portal, run the installer and follow its prompts.



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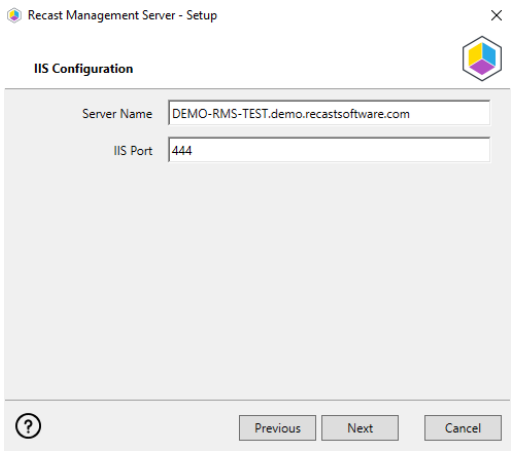

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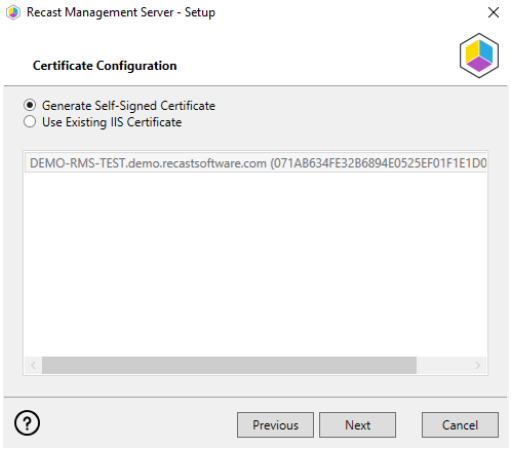

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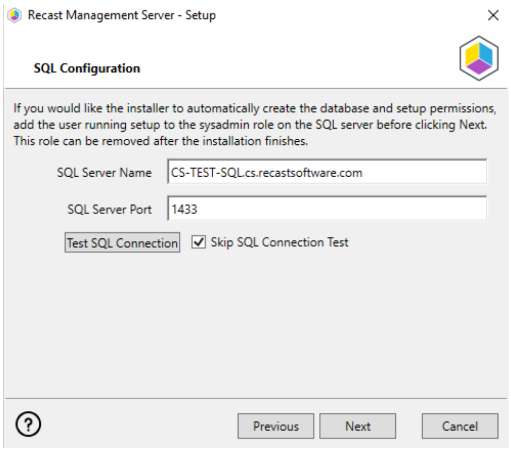

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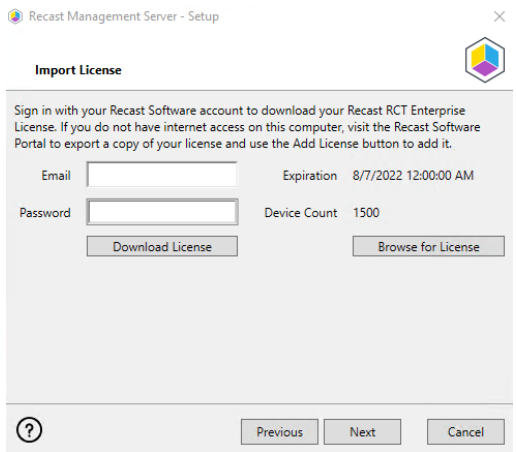
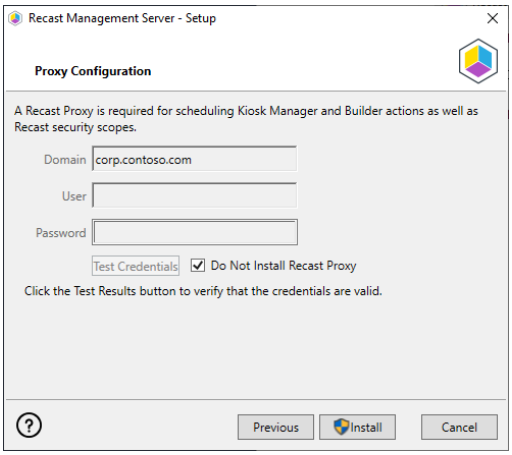


Recast

Configure Without Recast Proxy

A Recast Proxy allows you to schedule Kiosk Manager and Builder actions as well as Recast security scopes. For instructions on installing Recast Proxy, see Installing Recast Management Server with Recast Proxy.

If you do not wish to install a Recast Proxy during Recast Management Server installation, enable **Do Not Install Recast Proxy** and click **Install**.



When the installation completes, click **Finish** to exit the setup wizard.

Verify Recast Management Server Installation

To confirm that you can open the Recast Management Server, navigate to `https://<Server FQDN>:<Port>` in a web browser. Chrome, Edge, or Firefox are recommended. On the Recast Management Server login page, enter the username and password for the account that you were using to install the Recast Management Server.

Install Recast Proxy

You can install a Recast Proxy separately if it was not installed during the Recast Management Server installation, or if it needs to be installed on a server other than the Recast Management Server. After installing a Recast Proxy separately, you'll need to approve it manually and add service connections.

For an overview of proxy types, uses, permissions, installation and configuration, see Recast Proxy.

The Recast Proxy SQLite file is located at `C:\Users\<Proxy Username>\AppData\Roaming\Recast Software\Recast Proxy`

Prerequisites

- Recast Management Server installed

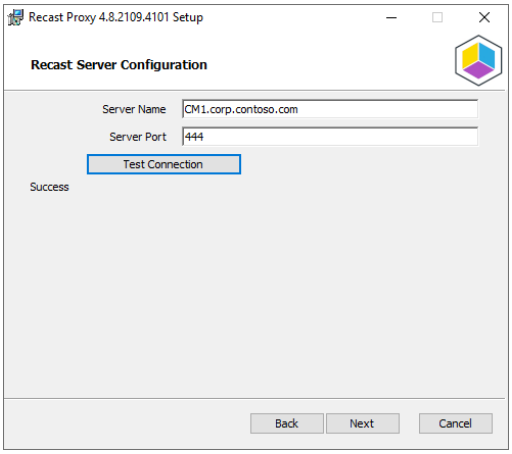
Run the Proxy Installer

To install Recast Proxy:

1. Download the Recast Proxy installer from the Recast Portal and run it.

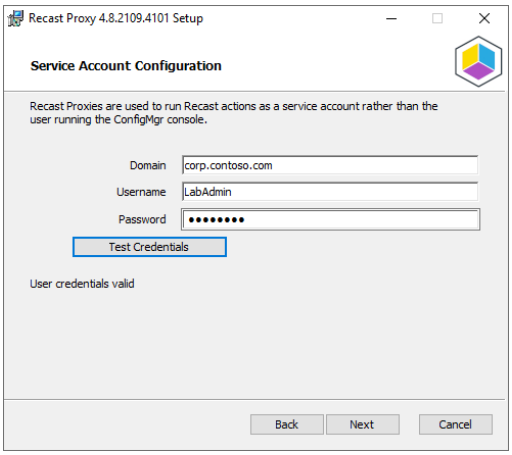
2. On the **Recast Server Configuration** page, enter the Recast Management **Server Name** and **Server Port** number.

3. Click **Test Connection** to make sure that the proxy can connect to the Recast Management Server.



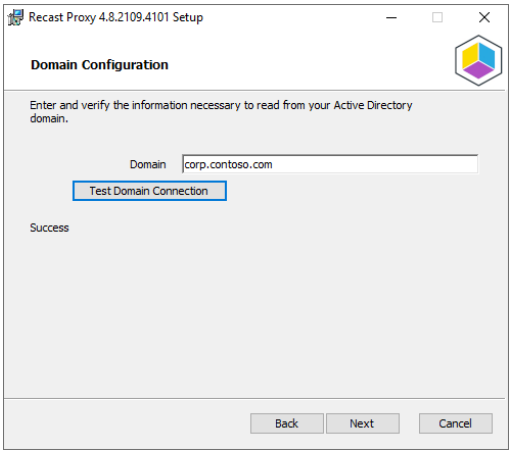
> If the installer does not connect to the Recast Management Server, the proxy will not install successfully. Troubleshoot any error messages that appear in the installer before continuing with the install.

4. On the **Service Account Configuration** page, enter the **Domain**, **Username** and **Password** that you would like to use for your proxy and click **Test Credentials** to verify service account details.

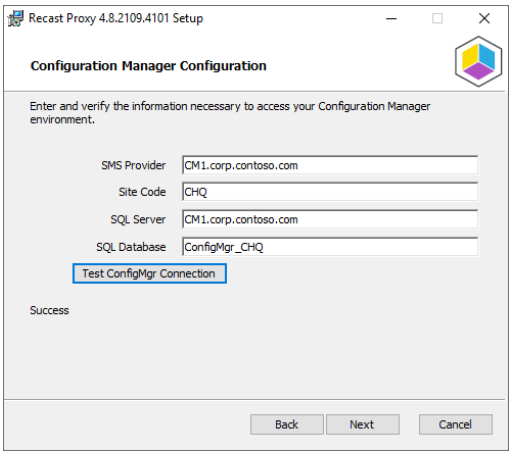


> If the User Account Credentials that you enter on the Service Account Proxy Screen do not validate correctly, the Service Account Proxy will not work correctly. Troubleshoot any login errors before continuing to the next step.

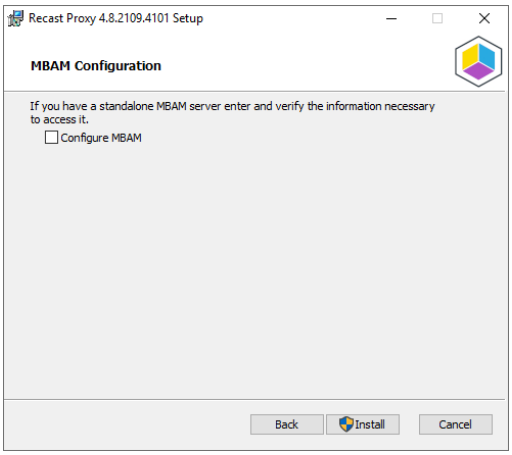
5. On the **Domain Configuration** page enter your primary **Domain** and click **Test Domain Connection** to check that the service account can read from the domain.



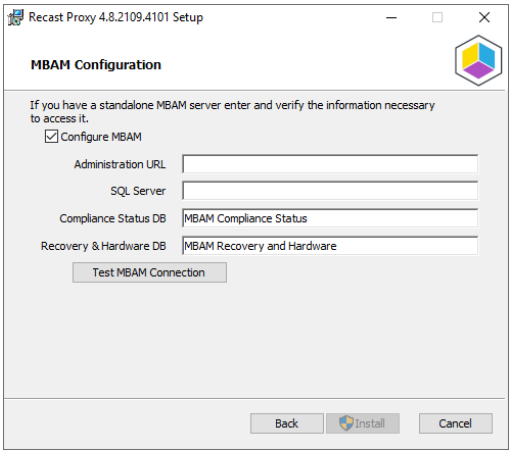
6. On the **Configuration Manager Configuration** page, enter your **SMS Provider**, **Site Code**, **SQL Server**, and **SQL Database** information and click **Test ConfigMgr Connection** to check that your service account has permission to access your Configuration Manager environment.



7. If you have a standalone MBAM server (and are not managing BitLocker in ConfigMgr), enable **Configure MBAM** and enter the information for your MBAM environment. If you are not using an MBAM Server, leave the checkbox blank and click **Install**.



8. If you have a standalone MBAM environment, enter its details and click **Test MBAM Connection** to ensure that the service account you selected has permission to use MBAM.



9. Click **Install**.

10. After the installation completes, click **Finish** to close the installer.

Silent Install for Standalone Recast Proxy

Add the parameter `RCTENTERPRISESERVER=https://<FQDN>:<Port>` to your install string so your standalone Recast Proxy can connect to your Recast Management Server. Substitute the FQDN for your RMS server followed by the port number.

Example:

```
msiexec /i "Recast Proxy.msi" /l*v %temp%\RecastProxy.log PROXYLOGONUSER="<Domain>\<Username>" RCTENTERPRISESERVER="https://<FQDN>:<Port>" SERVICEACCOUNTPASSWORD="<Password>" SERVICEACCOUNTDOMAIN="<Domain>" SERVICEACCOUNTUSERNAME="<Username>" /qn
```

RMS with Web Proxy

The Recast Management Server requires access to specific external domains depending on which Recast Software products are in use. If you are using a web proxy on the Recast Management Server, or on the server running Recast Proxy, you will need to direct network traffic to those external domains through the web proxy, as the web proxy will not automatically detect settings on the server where the RMS or Recast Proxy is installed.

You can direct network traffic through the web proxy by changing the environment variables in your Recast Management Server web.config file.

To change environment variables for a web proxy:

1. Open the web.config file located at **`C:\Program Files (x86)\Recast Software\Recast Management Server\web.config`**.

TIP: We recommend making a copy of the existing web.config file before editing.

2. In the aspNetCore module, edit the **Environment Variables** information and add opening and closing tags.

```
<environmentVariables>
  <environmentVariable name="all_proxy" value="http://proxyserver:port" />
  <environmentVariable name="no_proxy" value="RmsServer.example.com,SccmServer.example.com" />
</environmentVariables>
```

For details about the environment variables used for default proxy initialization, see HttpClient.DefaultProxy Property.

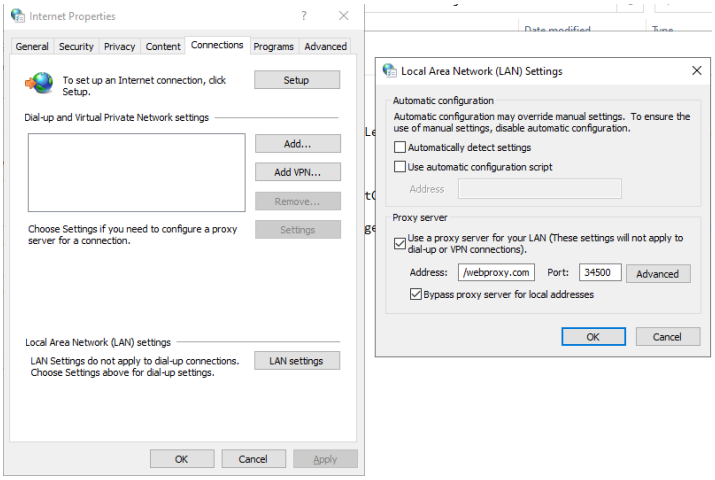
Recast

3. Recycle the Recast Management Server application pool and restart the site in IIS.

After editing the environment variables in the web.config file, follow these steps to verify the web proxy settings are correct for the account running the Recast Proxy service.

4. Log into the server as the Recast Proxy service account, open **Internet Options** and verify the proxy information is correct there.

5. If you are defining the web proxy manually, navigate to **Internet Properties** > **Connections** > **LAN settings** and check that **Automatically detect settings** and **Use automatic configuration script** are deselected. If both those options and **Use a proxy server for your LAN** are configured, they will conflict.



NOTE: If the RCT Patching catalog fails to load and returns an error: 'The proxy tunnel request failed with status code 407', add a rule to allow NoAuth access from the Recast Management Server to the external domains required for RCT Patching.

Proof Of Concept

Deploy Agents

Set Database Recovery Model

By default, the RecastManagementServer database is set to full recovery. We recommend switching your SQL Server recovery model from full recovery to simple recovery to prevent the database from running out of disk space due to an overload of transaction logging.

To learn more about the difference between simple, full, and bulk-logged recovery, see Recovery Models (SQL Server) | Microsoft Learn.

To switch the SQL Server recovery model to simple recovery:

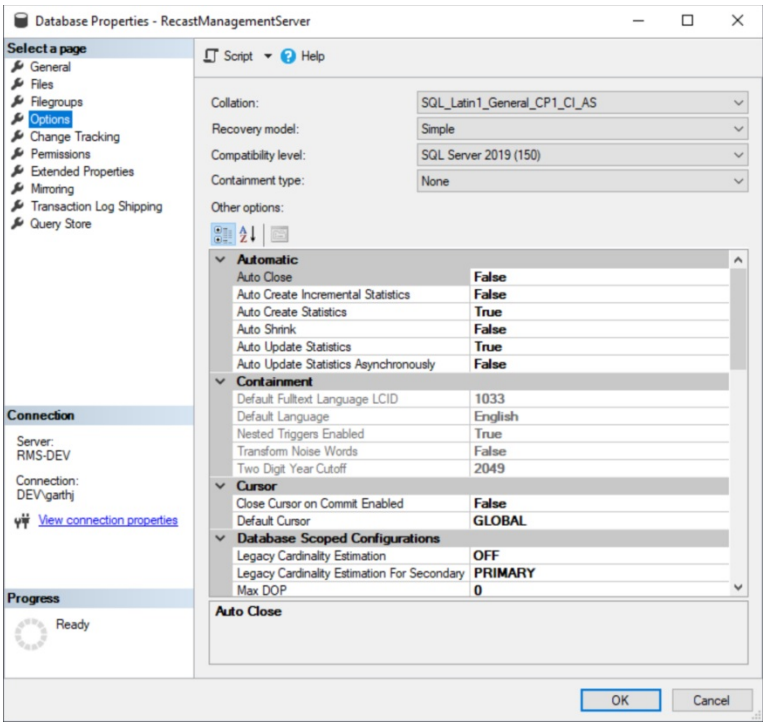
1. Open SQL Server Management Studio (SSMS).

2. Expand the **Databases** folder.

3. Right-click on the RecastManagementServer database and select **Properties** from the drop-down menu.

4. In Database Properties, click the **Options** page.

5. Change the **Recovery model** to **Simple** and click **OK** to save your changes.



Azure SQL Managed Instance

Recast Management Server supports Azure SQL Managed Instance. You can set up your Azure managed database by following these instructions.

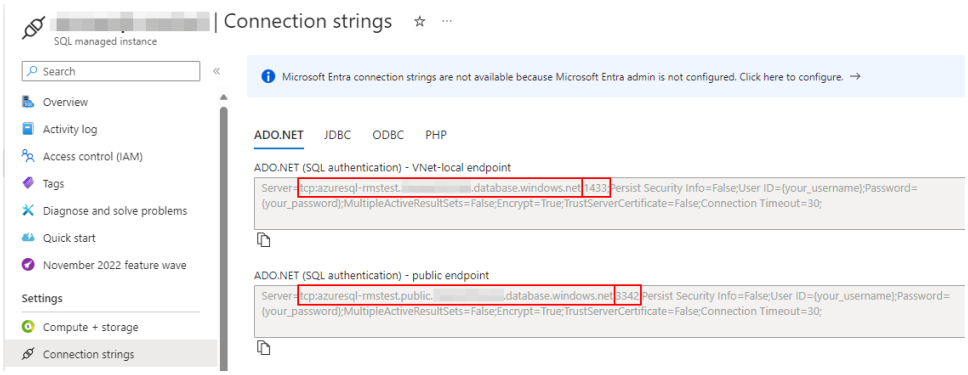
Azure Portal

To configure the Azure Portal:

1. Create an Azure SQL Managed Instance, or use an existing one.
   - Use **SQL authentication** as the authentication method
   - Make sure you can connect to the Azure SQL Managed Instance from your Recast Management Server. Enable public endpoint access or configure VPN from your environment to the Azure Virtual Network.

2. Create a new database called **RecastManagementServer**.

3. Find your SQL Managed Instance host name and port from the Azure SQL Managed Instance's**Connection strings**. You can use either a VNet-local endpoint or a public endpoint, depending on your configuration.



Recast Management Server

> If installing on an virtual machine, make sure that the Accelerated Networking setting is enabled. This will ensure fast performance when communicating with the Azure SQL Managed Instance.

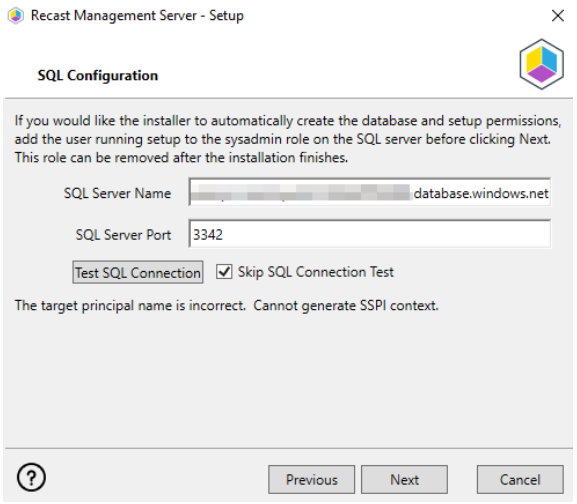
To configure your Recast Management Server:

1. Run the Recast Management Server installer up to the **SQL Server** step.

2. On the **SQL Server** page, enter your Azure SQL Managed Instance host name as the **SQL Server Name** and set the **SQL Server Port**.

   Example:
   - **SQL Server Name**: tcp:azuresql-rmstest.public.XXXXXXXXXXX.database.windows.net
   - **SQL Server Port**: 3342

3. Check the **Skip SQL Connection Test** checkbox and continue the installation.



Program Files

After the installation completes successfully, navigate to the **C:\Program Files (x86)\Recast Software\Recast Management Server** folder and open the **appsettings.Production.json** file.

To configure the **appsettings.Production.json** file:

1. Replace the **DefaultConnection** string with the following connection string, and change **Server**, **User ID** and **Password** values.

"DefaultConnection": "Server=tcp:azuresql-rmstest.public.xxxxxxx.database.windows.net,3342;Database=RecastManagementServer;Persist Security Info=False;User ID=**UserName**;Password=**Password**;MultipleActiveResultSets=True;Encrypt=True;TrustServerCertificate=False"

2. Save your changes and restart the **Recast Management Server** website within IIS Manager.

The Recast Management Server will automatically create database tables and the website should be accessible within a few minutes.

Server Migration

Instructions for migrating your Recast Management Server database to a new server.

To migrate the RecastManagementServer database:

1. Back up your RecastManagementServer database.

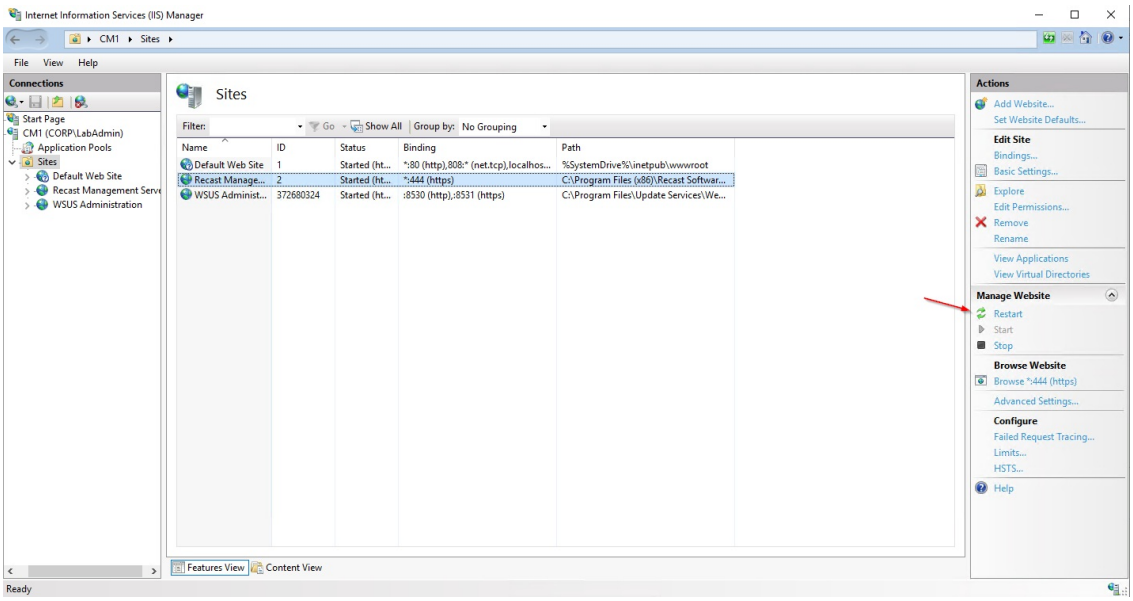
2. Copy the database over to the new location.

3. Navigate to `C:\Program Files (x86)\Recast Software\Recast Management Server` on your management server and open the **appsettings.Production.json** file.

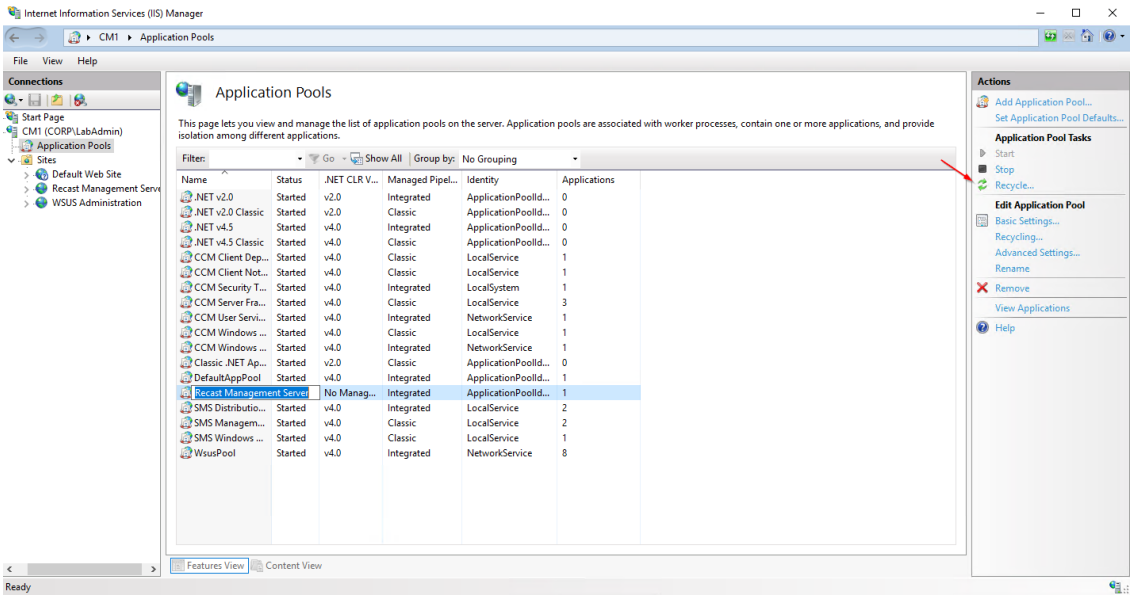
4. Update your server information in the .json file to specify the new server name.

```
{
        "ConnectionStrings": {
                "DefaultConnection": "Server=localhost;Database=RecastManagementServer;Trusted_Connection=True;MultipleActiveResultSets=true"
        }
}
```

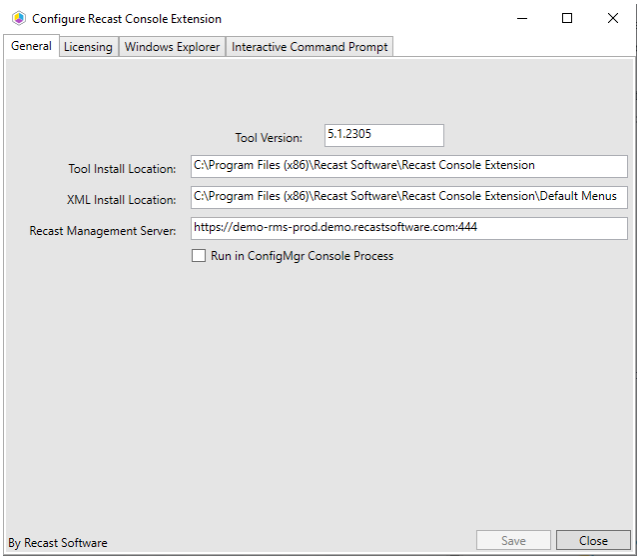
5. Open IIS Manager, under **Manage Website**, click to **Restart** your Recast Management Server website.



6. Under **Application Pool Tasks**, click **Recycle**.

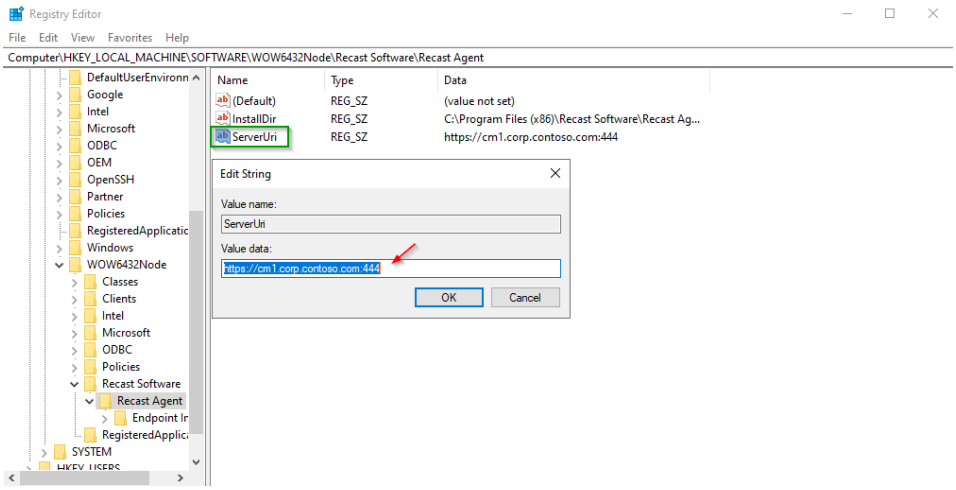


7. If the name changes for the server, update any Right Click Tools installations to point to the new server by adding the **Recast Management Server** URL on the **General** tab in the Configure Recast Console Extension application.



8. If you have agents in your environment, update the **ServerUri** registry keys to point to the new server's name.

Agent Server Uri Registry Entry:

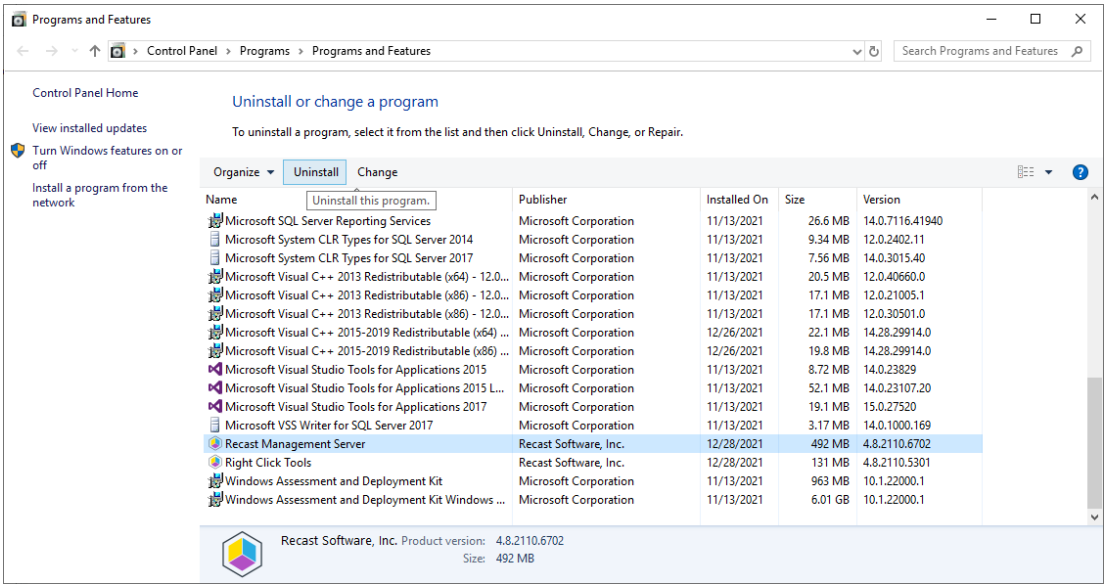


Uninstall RMS

To uninstall Recast Management Server:

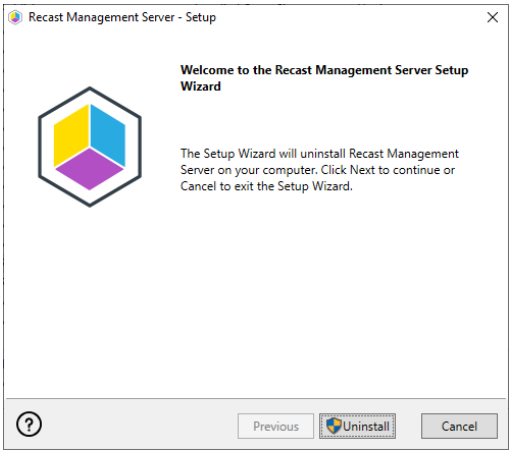
1. Under **Programs and Features,** click to highlight **Recast Management Server** in the program list.

2. Click **Uninstall**.



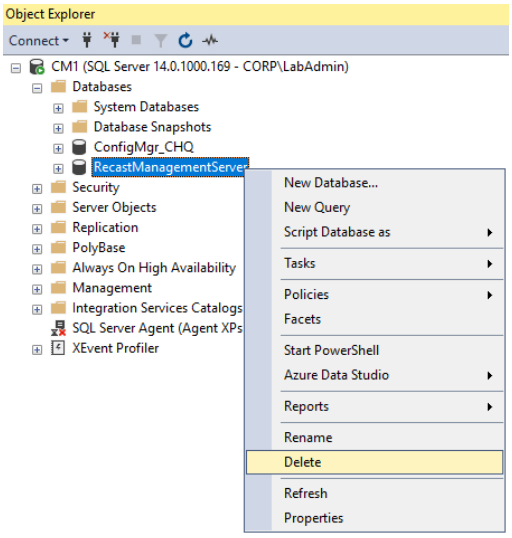
3. Click **Yes** to allow the app to make changes to your device.

4. In the Recast Management Server Setup Wizard click**Uninstall**.



5. Once the uninstall process is complete, click **Finish** to exit the Setup Wizard.

6. Remove all Recast Management Server components from your environment by deleting your SQL RecastManagementServer database.



If you experience issues uninstalling Recast Management Server, you can use Microsoft's uninstaller tool to fully uninstall any lingering files. To download the tool, see Fix problems that block programs from being installed or removed.

Antivirus Exclusions

The recommendations in this article are meant to help you diagnose causes of potential instability on a device when running antivirus software alongside a supported version of Recast Management Server (RMS), Recast Agent Gateway, Recast Proxy, and/or Recast Agent.

We suggest temporarily applying these exclusions to evaluate a system. If system performance or stability improves as a result, contact your vendor for instructions or an updated antivirus software version.

Folder Exclusions for RMS and Agent Gateway

%SystemRoot%\IIS Temporary Compressed Files

%SystemRoot%\inetpub\temp\IIS Temporary Compressed Files

Recast

File Exclusions for RMS and Agent Gateway

%windir%\System32\inetsrv\w3wp.exe (x86 systems)

%windir%\SysWOW64\inetsrv\w3wp.exe (x64 systems)

Process Exclusions

Process exclusions are only needed when aggressive antivirus programs consider Recast executables (.exe) to be high-risk processes.

Process Exclusions for RMS and Agent Gateway

C:\Program Files (x86)\Recast Software\Recast Agent Gateway\Recast.AgentGateway.exe

%windir%\System32\inetsrv\w3wp.exe (x86 systems)

%windir%\SysWOW64\inetsrv\w3wp.exe (x64 systems)

Process Exclusions for Agent Gateway (Kestrel)

C:\Program Files (x86)\Recast Software\Recast Agent Gateway\Recast.AgentGateway.exe

SQL Exclusions

On your SQL server, we recommend following Microsoft's guidance: Configure antivirus software to work with SQL Server – SQL Server | Microsoft Learn

Intrusion Detection and AV Software with Insights

Intrusion detection and AV software, such as CrowdStrike and Carbon Black, will sometimes prevent Insights from completing its setup. This is due to the EI setup uploading 250+ reports to your Configuration Manager Reporting Point within a short period. To work around the issue, exclude the EI setup or temporarily exclude EI setup during any installation, on both the ConfigMgr site server where the setup is run and on the SQL Server Reporting Service (SSRS) server.