

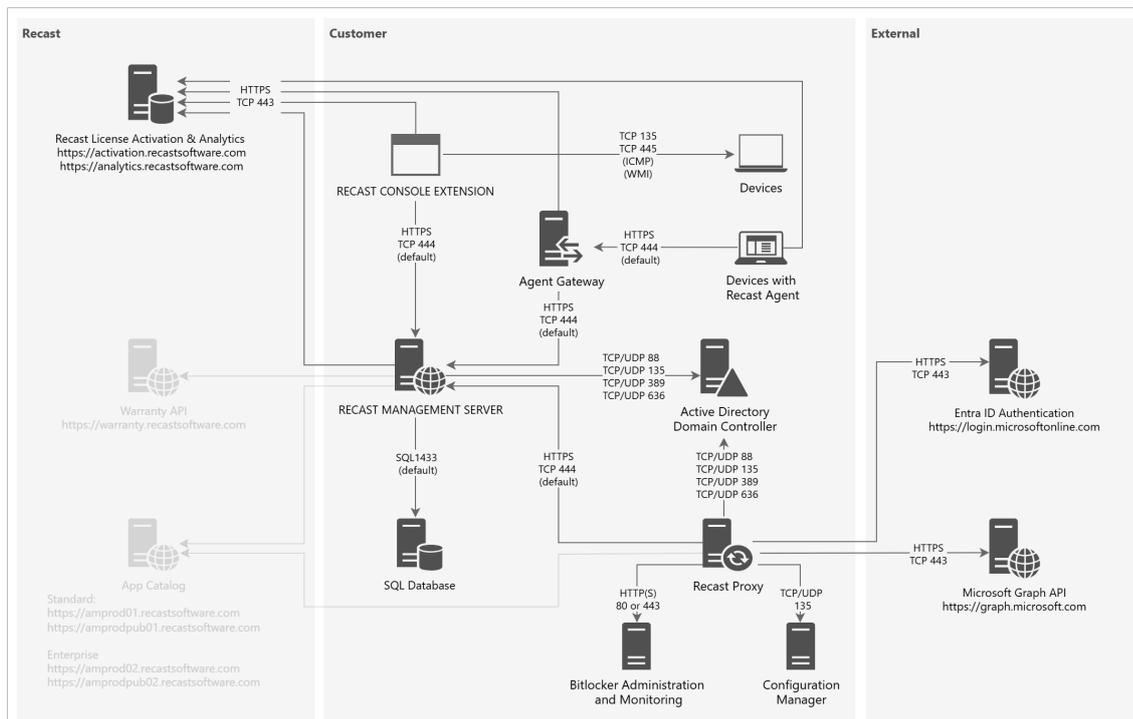
## Network Architecture Diagrams

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### Network Architecture: Right Click Tools with RMS

Most Right Click Tools installations connect to the [Recast Management Server](#), the hub for Recast Enterprise products. To make the most of Recast Management Server features, Right Click Tools implementations often include [Recast Proxies](#), [Recast Agents](#), and [Agent Gateways](#).

Where an organization's requirements don't allow for a connection to RMS, Right Click Tools can be installed in [Standalone mode](#).



#### Installation Notes

- The Recast Console Extension is installed as a plug-in for the Configuration Manager console or via [a browser extension for the Intune Admin Center](#).
- The Recast Management Server and Agent Gateway can be installed on the primary Configuration Manager server or on another server.
- A Recast Proxy can be installed on the same server as RMS or on a separate server.
- Multiple Agent Gateways and/or Recast Proxies may be installed.
- Recast Agents can be deployed on some or all devices.

#### Connection Notes

- Arrows indicate the direction of initial connection.
- Recast Management Server can be connected to devices via Console Extension, Recast Proxy or Recast Agent routes.
- Where Recast Agent software is deployed on devices, Agents must connect to the Recast Management Server to enroll.
- Network traffic is unidirectional from a Recast Agent to an Agent Gateway.
- Connections to Entra ID Authentication and the Microsoft Graph API are needed for the [Entra ID BitLocker Recovery Keys](#) tool.

## Network Architecture: RMS with Standalone Gateway

Your Recast Management Server can be configured with one or more Agent Gateways. During Recast Management Server installation, a single Agent Gateway is installed automatically on the same server as RMS. Adding standalone Agent Gateways to your architecture allows you to run Recast actions against Internet-connected devices at scale.

To learn more, see [Agent Gateways](#).

### Recast Management Server with More Than One Agent Gateway



### Installation Notes

- In this scenario, the Recast Management Server is installed on a separate server than the primary Configuration Manager server.
- One Agent Gateway is automatically installed on the same server as the Recast Management Server during RMS installation.
- A standalone Agent Gateway is installed on a separate Internet-facing server.
- Recast Agent software is installed on devices that will connect to the Internet-facing Agent Gateway.

An additional Agent Gateway is required for every 20K Recast Agents deployed. Each additional Agent Gateway must be installed on a different server.

### Connection Notes

- Arrows indicate the direction of initial connection.
- Where Recast Agent software is deployed on devices, Agents must connect to the Recast Management Server to enroll. For information on connecting Agents to a specific Agent Gateway, see [Deploy Recast Agents](#).
- A firewall rule must allow connections from Internet-connected devices to the standalone Agent Gateway on the internal network via **TCP port 444**. See [Test TCP 444 Connection](#).