System Requirements for a Server Computer

Applies To

<table>
<thead>
<tr>
<th>Software</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrolinx Server</td>
<td>4.3, 4.4, 4.5, 4.6, 4.7, 5.0, 5.1</td>
</tr>
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Acrolinx System Requirements

The hardware and software requirements for the Acrolinx Server depend on the type of installation and the number of clients that use the server. The most important issue is the load placed on the language servers, which depends on the following factors:

- Number of connected clients
- Number of checked documents in the clients
- Average document size
- Complexity of the style and grammar guidelines
- Size of the terminology database

System Requirements

The minimum requirement for a single-computer installation is a computer with the following features:

- A modern multi-core CPU
- 4 GB dedicated RAM with an extra 1.5 GB RAM for any additional language servers
- 5 GB of free hard disk space in the installation directory

However, we recommend that you use a computer with the following features:

- A modern multi-core CPU
- 8 GB dedicated RAM with an extra 4 GB RAM for any additional language servers
- 20 GB of free hard disk space in the installation directory

The hardware requirements for each language server and the core server in a distributed installation are the same as for a single-computer installation. These requirements also apply for installations in virtualized environments.

These system requirements are based on a system which is not running any other memory or CPU intensive applications.

For a detailed description of how to estimate your memory requirements, see the [Estimating System Requirements](support.acrolinx.com/hc/en-us/articles/203915331-System-Requirements-for-a-Server-Computer) article.

Software Requirements

The Acrolinx server or its components (core server, language servers) require a computer with a supported

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operating system. The Acrolinx server also requires a compatible version of Java and a compatible web browser.

For a full list of compatible software, see the Acrolinx compatibility guide.

Network Requirements

Checking a document in a client requires a network or internet connection to the core server. To enable access to the Acrolinx Server from outside the intranet, the internet router must be configured to forward incoming requests to port 8031 on the Acrolinx Server.

TCP Port Assignments

By default, the TCP port number configuration is as follows:

<table>
<thead>
<tr>
<th>TCP Port</th>
<th>Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>8031</td>
<td>Client connection to core server.</td>
</tr>
<tr>
<td>8029 and below</td>
<td>All installed language servers.</td>
</tr>
<tr>
<td>8035</td>
<td>The installed SEO server.</td>
</tr>
</tbody>
</table>

If you install each language server on a separate computer, all language servers listen on TCP port 8030 by default.

If you install several language servers on the same computer, the language servers use TCP ports 8029 and below, depending on the installation sequence and the number of language servers.
You can Change the Port of an Acrolinx Server for each server type in the respective properties file.

**Firewall Software Adjustments**

Adjust your local firewall software to allow the servers to listen on their assigned port and allow network traffic to this port.

For example, the firewall software must allow the core server to listen on port 8031 and allow network traffic to this port.

Also ensure that your firewall and browser security settings do not block the following software components:

- XMLHttpRequest
- ActiveX Components

**Database Requirements**

**Database Formats**

The following components of Acrolinx require database storage capacity:

- The Acrolinx Terminology Manager
- The Acrolinx reporting database

When you install the Acrolinx Server, the Terminology Manager and the reporting database each come with a default database.

The default database is:

- H2 for the Terminology Manager
- H2 for the reporting database

The default databases are freely distributable but are not optimal for storing high volumes of data in combination with the Acrolinx Server.

You should consider using a compatible enterprise database if you have the following requirements:

- Store over 5,000 terms in the Terminology Manager
- Use the reporting database in a production capacity

**Compatible Enterprise Databases**

For an up-to-date list of supported database formats, see the "Database" tab of the Acrolinx compatibility guide.

**Terminology Storage Capacity**

The storage requirements for a terminology database depend on the number of terms you need to store. Each term requires approximately 5 KB storage space per term. The amount of space that a term requires depends on the number of linked terms and information stored in custom fields.

For example, if you estimate that your database must store at least 30,000 terms, then you should reserve at least
150 MBs on the computer that is hosting your terminology database.

**Reporting Storage Capacity**

The storage requirements for a reporting database depend on how many checks your users run and the number of flags they generate.

You should initially reserve at least 10 GB on the computer that is hosting your reporting database. You can also use a purge task to ensure that the reporting database does not grow beyond this limit.

Once your users start running checks, you can estimate the growth of your database by running queries to analyze the average number of flags per day. After you have an approximate measurement of the number of flags per day, you can allocate more storage space and update the database size limit accordingly.