

System requirements

Modeling Tools*

Resource	Recommended														
CPU	x64 (64-bit) Architecture, 2022XR1 Apple M1 or higher														
RAM	<p>16GB</p> <p>The memory allocation for the modeling tool by project size:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2">Project Elements Count (including used projects)</th> <th rowspan="2">Allocated Memory ²</th> </tr> <tr> <th>Earlier versions</th> <th>2021x and later ¹</th> </tr> </thead> <tbody> <tr> <td>1.5 million</td> <td>1 million</td> <td>6GB</td> </tr> <tr> <td>2.5 million</td> <td>2 million</td> <td>7GB</td> </tr> <tr> <td>5 million</td> <td>3.5 million</td> <td>11GB</td> </tr> </tbody> </table> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p> The amount of required memory proportionally increases if working on multiple projects.</p> </div> <p>¹ the project elements count is different due to the profiling data storing metamodel optimized in 2021x (decrease by 40-80% in SysML and UAF projects).</p> <p>² these memory requirements are indicative and may vary by project specifics.</p> <hr/> <p>The operations that require more memory (1, 2, and 3.5 million of 2021x project elements, respectively):</p> <ul style="list-style-type: none"> UPDM migration to UAF - 10GB, 10GB, 36GB 2022X UAF 1.1 migration to UAF 1.2 - 40GB³, 50GB⁴ Converting between UAF, DoDAF2, DoDAF, MODAF, NAF, NAF4 frameworks - 8GB, 9GB, 13GB Element/Content History - 10GB, 15GB, 27GB Project Merge - 11GB, 13GB, 21GB⁵ Project Clone - 12GB, 14GB, 22GB <p>³ Project size 2 million elements.</p> <p>⁴ Project size 5 million elements.</p> <p>⁵ Strongly depends on the number of detected changes between merged versions (in this case, the specified required memory is for merging projects with 1.5k changes in total).</p>	Project Elements Count (including used projects)		Allocated Memory ²	Earlier versions	2021x and later ¹	1.5 million	1 million	6GB	2.5 million	2 million	7GB	5 million	3.5 million	11GB
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Disk space	<p>The recommended disk space for installation and configuration files is 3GB or more, depending on the used plugins, project type (local or server), and project size. In addition to this, large server projects require extra disk space for configuration files:</p> <table border="1" data-bbox="326 205 850 470"> <thead> <tr> <th colspan="2">Project Elements Count (including used projects)</th> <th rowspan="2">Disk Space</th> </tr> <tr> <th>Earlier versions</th> <th>2021x and later</th> </tr> </thead> <tbody> <tr> <td>1.5 million</td> <td>1 million</td> <td>6GB</td> </tr> <tr> <td>2.5 million</td> <td>2 million</td> <td>10GB</td> </tr> <tr> <td>5 million</td> <td>3.5 million</td> <td>30GB</td> </tr> </tbody> </table> <div data-bbox="326 491 1484 573" style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  The amount of required disk space proportionally increases if working on multiple projects. </div> <p>Note: Element History and Content History features usage require significantly more disk space due to intensive caching at the client-side.</p> <p>Depending on the feature usage scenario (e.g., retrieving content history from old/distant project versions multiple times), the disk space might increase by up to 100GB.</p>	Project Elements Count (including used projects)		Disk Space	Earlier versions	2021x and later	1.5 million	1 million	6GB	2.5 million	2 million	10GB	5 million	3.5 million	30GB
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Display resolution**	Full HD (1920x1080) or higher														
Operating Systems	Any Java SE 11-compatible operating system (Windows 10, 2022XR2 Windows 11, Windows Server, Linux (RedHat 7 /CentOS 7, RedHat 8), Mac OS (Monterey, Big Sur, Ventura (known issue with app)).														
Java Virtual Machine (JVM) version	Java version support														

* Magic Software Architect, Magic Cyber Systems Engineer, Magic Systems of Systems Architect, MagicDraw, Cameo Systems Modeler, Cameo Enterprise Architecture

** 800x600, 1280x1024 display resolutions are compatible with a laptop or a projector.

FLEXnet License Server

For system requirements, refer to the [Release Note](#) of the specific version.

 **Teamwork Server discontinued**
 Teamwork Server is discontinued, beginning with version 2021x. Teamwork Cloud should be used instead. [Learn more about migrating from Teamwork Server to Teamwork Cloud >>](#)