

Hardware Requirements

Apparo



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1 Introduction

An Apparo installation is separated into different modules. Each module has different hardware requirements.

This document contains a list of the used modules.

Apparo is using always load balancing that is helpful for bigger environments.

2 Apparo Single Instance

An Apparo Single Instance is a combination of 1 Gateway and 1 Application server.

Therefore, you must consider the requirements of the Apparo Gateway AND of 1 Apparo Application server.

3 Apparo Multi Instance / Gateway

An Apparo Gateway is the web connection and load balancing module.

All web traffic of all users is managed by this module.
Therefore, it needs a fast network connectivity.

The load balancer is transporting all web traffic to the Apparo Application servers.

The Apparo Gateway need about 1 GB RAM and 500 MB HDD.

4 Apparo Multi Instance / Application server

The Apparo Application server is responsible for the work load.

It is possible to install many Apparo Application servers on the same machine.

It is just important to use different file paths (e.g. c:\Program Files\ApparoApp1, c:\Program Files\ApparoApp2, ...) for the installation.

Each Apparo Application server installation need **about 1 GB HDD**.

You can set the **memory usage (RAM)** in the Apparo Configuration, chapter Application server:

Name	Value	
Host name	AFE32WINStandalone.sad.com	
Tomcat start port	18000	
Tomcat connector port	9800	
Apparo URL Folder	apparo	
Apparo gateway protocol	HTTP + HTTPS	
Apparo gateway HTTP port	80	
Apparo gateway HTTPS port	443	
Apparo gateway external URL	http://AFE32WINStandalone.sad.com:80	
Apparo gateway SSL certificate file	C:\Program Files\Apparo\FastEdit\cm\certificate\...	select
Apparo gateway SSL certificate key file	C:\Program Files\Apparo\FastEdit\cm\certificate\...	select
Logging Level	Detail	
Show error messages	yes	
Maximum main memory usage in MB	2048	
Windows service user name	<Use the default Windows system user>	
Windows service user password	<Use the default Windows system user>	
Session timeout in minutes	60	

The standard minimum is 1024 MB. If the users are importing **Excel XLSX** files then it is better to add 1024 GB RAM.

Number of concurrent user sessions	Main memory (minimum)	CPU Cores (minimum)
1-5	1024	2
6-10	2048	4
11-20	3072	6
21-	4096	8