

Hardware Requirements

Apparo

3.3.0.0



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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 larger 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 file system space.

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 2 GB file system space**.

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

	Name	Value	
Configuration			
Architecture	Host name	AFE32WINStandalone.sad.com	
Application server	Tomcat start port	18000	
File system paths	Tomcat connector port	9800	
Web security system	Apparo URL Folder	apparo	
eMail security system	Apparo gateway protocol	HTTP + HTTPS	
Repository	Apparo gateway HTTP port	80	
License key	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 2048 MB. If the users are importing **Excel XLSX** files then it is better to have 4096 MB RAM.

Number of concurrent user sessions	Main memory (minimum)	CPU Cores (minimum)
1-5	2048	2
6-20	4096	4
21-	5120	6