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# **eZ Publish**

## **server requirements**

**Version 1.4**

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## Revision History

Modifier	Date	Reason For Changes	Version
Tero Auralinna	19.09.2011	Initial version	1.0
Tero Auralinna	18.11.2011	Added recommended server setup	1.1
Tero Auralinna	16.01.2012	Added log rotate. Checked eZ Publish 4.6 requirements	1.2
Tero Auralinna	21.08.2012	Checked eZ Publish 4.7 requirements	1.3
Tero Auralinna	08.02.2013	Added special software. Checked eZ Publish 5.0 requirements	1.4

## 1. Instruction

This document describes general eZ Publish server environment.

## 2. Recommended minimum setup

- 2 CPU
- 4 GB memory
- 50 GB disk space

*Note: this applies for average site when there is no special needs.*

## 3. Platforms

eZ Publish 4.7		
	Reference	Approved
Operating system	RedHat RHEL 6.x	Red Hat Enterprise Linux (RHEL) 6 (see separate installation notes) Debian 6 SUSE Linux Enterprise Server (SLES) 11
Web Server	Official Apache 2.2.15 (prefork mode) (rhel62 packages)	Apache 2.2.x (prefork mode)
DBMS	MySQL 5.1.61 (rhel62 packages) (mysqli)	MySQL 5.0.x or 5.1.x (mysqli) PostgreSQL 8.4 Oracle 11g (LS only)
PHP (mod_php) + PHP CLI	Official PHP 5.3.3 (rhel62 packages)	PHP 5.3.x
PHP + PHP CLI extensions	APC 3.1.9 (external pecl extension) bz2 Curl dom exif fileinfo	APC 3.1.9 (external pecl extension) bz2 Curl dom exif fileinfo ftp

	ftp gd Iconv json MBstring mysqli pcntl PCRE pdo-mysql posix reflection simplexml spl ssl xmlreader zlib xml libxml xsl mcrypt	gd Iconv json MBstring mysqli oci8 pcntl PCRE pdo-mysql pdo-pgsql pgsql posix reflection simplexml spl ssl xmlreader zlib xml libxml xsl mcrypt
Graphic Handler	ImageMagick 6.5.4.7 PHP extension GD2	ImageMagick >= 6.4.x PHP extension GD2
eZ Components (Zeta Components)	2009.2.1 + Archive patch <b>Note:</b> <i>bundled with eZ. Installation not needed.</i>	2009.2.1+ Archive patch <b>Note:</b> <i>bundled with eZ. Installation not needed.</i>
Java	Java Run-time Environment 6/1.6 or higher is mandatory (Oracle-Sun/OpenJDK)	Java Run-time Environment 6/1.6 or higher is mandatory (Oracle-Sun/OpenJDK)
File system	Linux ext4	Linux ext3 / ext4

All requirements (including cluster mode and compatible platforms):  
<https://confluence.ez.no/display/EZP/Requirements>

Requirements for doing a normal installation:  
<https://confluence.ez.no/display/EZP/Requirements+for+doing+a+normal+installation>

Requirements for eZ Find installation:  
<http://doc.ez.no/Extensions/eZ-Publish-extensions/eZ-Find/eZ-Find-2.7/Requirements>

## 4. Settings

### 4.1. PHP

php.ini	
memory_limit	128M (CLI 512M)
expose_php	Off
magic_quotes_gpc	Off
allow_call_time_pass_reference	Off
max_execution_time	300 (CLI 0)
post_max_size	128M
upload_max_filesize	128M

#### 4.1.1. PHP extensions

apc.ini	
apc.shm_size	512M
apc.shm_segments	1
apc.file_update_protection	2
apc.max_file_size	1M

### 4.2. Apache

Apache access and error log files must be automatically rotated and packed.

apache2.conf / httpd.conf	
ServerTokens	Prod
ServerSignature	Off
AllowOverride	All

### 4.2.1. Apache modules

At least following modules:

- rewrite
- deflate
- headers
- mime
- dir
- auth\_basic
- authz
- ssl

### 4.3. MySQL

my.cnf	
key_buffer	256M
table_cache	4000
query_cache_limit	1M
query_cache_size	16M
innodb_buffer_pool_size	1G
innodb_file_per_table	1
innodb_log_buffer_size	4M

## 5. Other software

Name	WWW	Description
Sendmail / Postfix or SMTP configuration		Email transport
FFmpeg	<a href="http://www.ffmpeg.org">Http://www.ffmpeg.org</a>	Video conversions and metadata retrieval.
Git	<a href="http://git-scm.com">http://git-scm.com</a>	Git version control.

## 6. Permissions

1. normal user with full sudo (preferred) or
2. normal user with rights to:
  - edit Apache, MySQL and PHP configs
  - restart Apache, MySQL
  - read maillog
  - read Apache log files
  - manage and create new databases and database users

## 7. Directory structure

Site	/var/www/html/<customer_name>/public_html
Database backups	/var/www/backup/mysql_dump
eZ Find	/var/www/ezfind/ezfind-<version>

## 8. Firewall

Port 80 (http) and 443 (https) open.

SSH/SFTP allowed from IP 83.145.202.161 (putki.naviatech.fi).

Other ports closed.