



The PHP Company

Article

Zend Platform 3.6 Unattended Installation

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Unattended Installation

Unattended installations allow deploying Zend Platform™ on several servers with minimal user intervention. This method is useful when installing Platform on several servers that require the same configurations.

This method is based on the concept of replacing the installer with a predefined file containing all the settings required to perform an installation. This file can then be used to deploy Zend Platform on several servers without having to run the installer or re-enter the settings.

There are two ways to use and configure the Unattended Installation file:

1. Auto-generate based on a single installation – after installing Platform
2. Manually – before installing Platform

After installing Platform, the installer automatically generates a file called `zend_platform_unattend.ini`. This file contains the configurations and settings defined in the interactive installation process. Once generated, use the file to install Platform with the exact same settings as defined in the interactive installation process.

The installer places the file under `etc/zend_platform_unattend.ini`. Open the file to modify the settings (add, edit or delete settings) if necessary.

! To ensure all of Platform's functionality is available after your server is rebooted, please refer to the [Post-requisites](#) section.

To run an unattended Installation:

1. Download/copy, the Platform package to the server
2. Unpack by running the command:
`gunzip -c <package name> | tar xvf -`
3. Run `./install-tty --auto-load-conf <unattended_file.ini>` stating the path and name of the file.

Alternatively, use a skeleton file of the `zend_platform_unattend.ini` to install Platform before running the interactive installation even once.

1. Download/copy, the Platform package to the server
2. Unpack by running the command:
`gunzip -c <package name> | tar xvf -`
3. Manually edit the parameters with values that suit the environment's configurations (see the list of parameters in the table below).
4. Run `install-tty` with the flag `--auto-load-conf <unattended_file.ini>`
5. At the end of the installation, the Installer will display a summary.

Unattended Installation Directives:

The unattended installation process eliminates the need for interactive dialogs. Instead, the installer references a file with the answers to the questions asked in the installation process.

Defining the installation directives determines the extent of the interaction. Two directives activate user prompts in the Unattended Installation process. These directives should be set to '1' to run a completely automatic installation and set to '0' if interaction is preferred while installing using Unattended Installation. The directives are:

1. `auto_apache_confirm` – determines if the installation will display the Apache confirmation.
2. `auto_confirm` – determines if the installer will prompt for Yes/No questions.

The following table lists the possible directives that can be included in the `zend_platform_unattend.ini` file.

The table below lists the directives by section and order of appearance.

Section	Directive	Description
webserver	<code>auto_webserver_confirm=1</code>	<p>0= Install and show the web server confirmation screen.</p> <p>1 = Install without the web server confirmation screen.</p> <p>Note: If set to 1, the installation will not attempt to detect all installed web servers, but instead use the <code>Apachectl</code> or <code>Zeusctl</code> (when configuring Platform on Zeus) directive to determine which server to use.</p>
	<code>Apachectl=/usr/sbin/apache2ctl start</code> Note: when configuring Platform on Zeus, the directive is <code>Zeusctl</code> accordingly.	web server start-up command must include the path and argument.
	<code>httpd=/usr/sbin/apache</code>	Location of the web server binary
	<code>htdocs=/var/www</code>	Web server document root
	<code>pid_file=/var/run/apache.pid</code>	Web server PID file
	<code>url=http://localhost:80</code>	URL for the host
general	<code>auto_confirm=1</code>	<p>0 = Install without prompting for Yes/No questions. All answers are automatically set to Yes.</p> <p>1 = Install and prompt</p>

Section	Directive	Description
		with Yes/No questions.
	install_type=2	1 = Express Installation. 2 = Custom Installation.
	gui_passwd=root	Invent a password to use to access Platform Administration.
	cluster_type=3	1 = Run a Cluster Node Installation. 3 = Run a Cluster Manager/Standalone Server Installation
	use_com_lic=0	1= Yes I have a commercial License 0= No use a 30-day trial license.
	platform_prefix=/usr/local/Zend/Platform	Directory for installing Platform files (base dir).
	import_prev_sets=1	1 = Import all settings from previous Platform installation. 2 = Perform a fresh installation.
	gui_pages_loc=ZendPlatform	Directory for installing Platform Administration, it must be relative to the htdocs/document root.
	get_license=2	1 = Get license from zend.com 2 = Get license from file system.
	lic_dir=/home/jess/	Add this parameter only if you specified to get a license from the file system (get_license=2). Specify the path to the directory that holds the license file.
	lic_serial_num=SN999999	Your license serial number (given when purchasing the product).
	zend_user=username	The zend.com username the installer should use for downloading a license from the Web.
	zend_passwd=password	Your zend.com

Section	Directive	Description
		password the installer should use for downloading a license from the Web.
services	en_web_srv=1 en_java_srv=1 en_sc_srv=1 en_jq_srv=1	0 = Do not enable the advanced features. 1 = Enable the advanced features. The advanced features are: web_srv – Web Services java_srv – Java Bridge sc_srv – Session Clustering jq_srv – Job Queues
java_bridge	java_bin=/home/jess/downloads/jre1.5.0_06/bin/java	Location of the Java binary
session_clustering	availability_level=2	1 = Regular Session Clustering. 2 = Activate High Availability.
	my_server_ip=10.1.2.163	The IP for the interface used for connecting to other nodes.
	processors_number=1	Number of CPUs on the machine
	storage_type=2	1 = Disk 2 = RAM (Memory)
	storage_size=800000	Only if you select storage_type=2 Specify the memory to allocate for storing cache sessions
	flush_delta=0	Only if you select storage_type=1 Specify a storage method: 1 = Write through. 2 = Delayed write.
	allowed_hosts=10.0.0.0/8	Allowed network hosts for the Session clustering service. Use mask ids (*) to specify IP ranges; use commas to separate single IPs. Specify all the IPs

Section	Directive	Description
		included in the cluster.
	cookie_domain=zend.com	specifies the domain to set in session_cookie. Default is none at all meaning the host name of the server which generated the cookie according to cookies specification
job_queue	jq_url=localhost.localdomain:10003	The address (host:port without 'http://') that the other servers will use to access this queue.
	jq_password=root	Password to access the Job Queue server
	jq_alias=Queue	Specify a name for the Job Queue Server as it will appear in Platform Administration.
	jq_allowed_hosts=127.0.0.1/32	The network hosts permitted to access the queue. Use mask ids (*) to specify IP ranges; use commas to separate single IPs. Specify all the IPs for the Job Queue.
node_configuration	collector_url=http://mandor:8888/ZendPlatform	The Platform Administration URL.
	node_hostname	The hostname to use for the node's address.
	alias=Node1	The node's alias as it will appear in Platform Administration.
	central_password=aaaa	The Platform Administration password.

Unattended Installation Skeleton-File Content

Use the following text to copy paste and create your own unattended installation file:

```
[general]
auto_confirm=
webserver=
install_type=
cluster_type=
use_com_lic=
platform_prefix=
gui_pages_loc=
gui_passwd=
[webserver]
auto_webserver_confirm=
Apachectl=
httpd=
htdocs=
host=
port=
pid file=
url=
[services]
en_web_srv=
en_java_srv=
en_sc_srv=
en_jq_srv=
[java_bridge]
java_bin=
[session_clustering]
availability_level=
cookie_domain=
my_server_ip=
processors_number=
storage_type=
allowed_hosts=
flush_delta=
[job_queue]
jq_url=
jq_alias=
jq_allowed_hosts=
jq_password=
[node_configuration]
node_hostname=
alias=
collector_url=
central_password=
```

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