

Zend Server PHP Application Server (Standalone) - Blueprint information

1. OVERVIEW

The purpose of this document is to describe Zend Server PHP Application Server blueprint in detail. The goal of the blueprint is to allow for provisioning and configuration of single node Zend Server (ZS) instance in automated and repeatable fashion.

The following component and version are installed as part of ZS instance:

(1) Zend Server PHP App Server (Application Server)

The screenshot displays the VMware vSphere interface for managing blueprints. The main window shows the 'ZendAppNode' blueprint for 'Zend_Server_PHP_Appli...' on a 'CentOS64 5.6' host. The blueprint includes a 'setHostName' action. The left sidebar shows the 'Application Navigator' with 'Blueprint' selected, and a list of 'Logical Templates' including various OS templates like SLES, CentOS, RHEL, and Ubuntu. The right sidebar shows 'Application Components' (EAR, JAR, Other, RUBY_GEM, SCRIPT, SQL_SCRIPT, WAR) and 'Services' (ADC, Application Servers, Database Servers). The bottom pane shows the 'Details' tab for the blueprint, listing the name, catalog service, version, and description.

Details	Properties	Actions
Name: Zend_Server_PHP_Application_Server		
Catalog Service: Zend Server PHP Application Server		
Version: 5.6.0		
Description: Zend Server provides enterprises with the tools needed to run business-critical applications in PHP. It allows IT organizations to take advantage of PHP's agility and rapid development cycles with integrated application deployment, performance optimization, monitoring, and advanced debugging. Also included with Zend Server is complete support for open-source PHP itself from Zend,...		
Pre-installed in a Template: <input type="checkbox"/>		

2. HIGH LEVEL BLUEPRINT DESIGN

Conceptually, the blueprint design consists of the tasks described below. These tasks are listed in chronological order:

- (1) Setup Hostname (Application Server)
- (2) Install Zend Server PHP Application Server 5.6

2.1 Files

You will need access to create the following file repository that contains the necessary installers and configuration files needed. We will refer to this repository as the “Mount Point Location” in this document.

You will need below files to configure the scripts and services within this blueprint. Please refer to the following sections for details and their corresponding script/service.

```
darwin_global.conf
setHostName.sh
zendserver56-configure.sh
zendserver56-install.sh
```

2.2 Setup Host Name (Application Server)

The “Setup Host Name” task sets the hostname for the database machine that’s provisioned. It’s defined as a blueprint script.

Properties:

Properties:

Details		Properties	Actions			
Name	Description	Type	Blueprint Value	Required	Secured	Overridable at Deployment
IP_ADDRESS		String		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HOST_NAME		String		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DOMAIN_NAME		String		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Actions:

Details		Properties	Actions
Lifecycle Stage	Script Type	Script	
INSTALL	Bash Script	#!/bin/bash	✖
CONFIGURE	Bash Script		✖
START	Bash Script		✖

Install Script:

Please refer to file `setHostName.sh` to copy the script as the INSTALL Bash Script.

2.3 Install Zend Server PHP Application Server (Application Server)

The “Install Zend Server PHP Application Server 5.6.0” task installs a server instance of Zend Server PHP Application Server 5.6.0. It’s defined as a blueprint service.

Details

Properties

Actions

Name: *

Service Version: *

Description:

Tags: *

Supported OSes:

Supported Components:

Pre-installed in a Template: ☐

OK

Cancel

Properties:

Details

Properties

Actions

Name	Description	Type	Value	Required	Secured	Overridable in Blueprint	
DOWNLOADRPMURL	Zend Server yum config...	String	http://downloads.zend.com/zendserver/5.6.0/ZendServer-5.6.0-RepositoryInstaller-linux.tar.gz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
global_conf	URL to download Darwin...	Content	https://\${darwin.server.ip}:8443/darwin/conf/darwin_global.conf	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
zendnode_ui_pass	Zend Server Node UI Pa...	String		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
zend_zscm_host	Address of the ZSCM no...	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
zendnode_is_node	Set to 0 if use as single ...	String		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
zend_api_key_name		String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
zend_api_key		String		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
zend_self_addr		String		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
zend_self_name		String		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
zend_license_key	Zend Server Node Licens...	String		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
zend_order_number	Zend Server License ord...	String		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

OK

Cancel

Please refer to file **zendserver56-properties.txt** for additional explanation and properties details.

Actions:

Details		Properties	Actions	
Lifecycle Stage	Script Type	Script		
INSTALL	Bash Script	#!/bin/bash		✗
CONFIGURE	Bash Script	#!/bin/bash		✗
START	Bash Script			✗

Install Script:

Please refer to file **zendserver56-install.sh** to copy the script as the INSTALL Bash Script.

Please refer to file **zendserver56-configure.sh** to copy the script as the CONFIGURE Bash Script.