

Alibaba Cloud Web App Service

Tutorial

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Document conventions

Style	Description	Example
	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 Danger: Resetting will result in the loss of user configuration data.
	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 Warning: Restarting will cause business interruption. About 10 minutes are required to restart an instance.
	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: If the weight is set to 0, the server no longer receives new requests.
	A note indicates supplemental instructions, best practices, tips, and other content.	 Note: You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click Settings > Network > Set network type.
Bold	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click OK.
Courier font	Courier font is used for commands.	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
{ } or {a b}	This format is used for a required value, where only one item can be selected.	switch {active stand}

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1 Build a deployment environment based on a Jenkins template

Web App Service (Web+) enables you to build an exclusive environment based on an application configuration template. In the application configuration template, you can customize basic information used by applications, such as the resources, network environment, and program path. This topic describes how to use the command-line interface (CLI) to build a deployment environment based on a Jenkins template.

Prerequisites

[#unique_4](#)

Step 1: Download and install the command-line tool

In Linux or macOS, run the following command to download and install the CLI:

```
eval "$(curl -s -L https://webplus-cn-shenzhen.oss-cn-shenzhen.aliyuncs.com/cli/install.sh)"
```

Step 2: Configure the command-line tool

Run the following command to use the **AccessKey ID** and **AccessKey secret** of your account to register and configure the CLI, select the region where the environment resides, and then create a folder, for example, named demo:

```
wpctl configure --access-key-id "$ALICLOUD_ACCESS_KEY" --access-key-secret "$ALICLOUD_SECRET_KEY" --region "$ALICLOUD_REGION" --profile demo
```



Note:

For more information about the valid values of the ALICLOUD_REGION parameter, see the Region ID column in [#unique_5](#).

Step 3: Download a Jenkins template

The Wpfile file stores the configuration information used to create or update a deployment environment. Web+ creates a Jenkins template. You can run the following command to download the template and save the template in the Wpfile file:

```
wget http://aliwebx-sz.oss-cn-shenzhen.aliyuncs.com/docs/course/Jenkins5Wpfile -O Wpfile
```



Note:

When the Jenkins template is used, Web+ purchases an Elastic Compute Service (ECS) instance in Pay-As-You-Go mode under the default Virtual Private Cloud (VPC) and VSwitch. The type of the purchased ECS instance is ecs.g5.large (2 vCPUs and 8 GiB memory). Then, Web+ installs the AliyunLinux operating system and deploys the [Jenkins.war](#) file on the purchased ECS instance.

Step 4: Create a deployment environment based on the Jenkins template

Run the following command to create a Web+ application and a deployment environment. After you run the following command, Web+ automatically reads the configuration template in the Wpfile file, and creates a deployment environment based on the Jenkins template.

```
wpctl env:apply --app WebPlusJenkins --env WebPlusJenkinsDemoEnv --create-on-absent
```



Note:

It takes about 5 minutes to create the application and deployment environment. Wait with patience.

Step 5: Access the deployment environment

After the application and deployment environment are created, Web+ purchases the configuration resources in the template for you. It takes about 2 minutes to purchase the resources. Then, you can run the following commands to access the deployment environment:

1. Run the following command to switch to the created application and deployment environment:

```
wpctl env:use WebPlusJenkinsDemoEnv --app WebPlusJenkins
```

2. Run the following command to view the event list:

```
wpctl env:events
```

3. Run the following command to view the environment information and obtain the application URL:

```
wpctl env:info
```

Step 6: Install the Jenkins template environment

After accessing the deployment environment configured in the preceding steps in a browser, you can install the Jenkins template environment. During the installation, Jenkins

will prompt you to enter the administrator password, which can be obtained from the file `/Home/admin/.jenkins/secrets/initialAdminPassword`. You can use the CLI to run the following command to query the password:

```
wpctl env:exec WebPlusJenkinsDemoEnv "cat /home/admin/.jenkins/secrets/initialAdminPassword"
```

References

- For more information about how to deploy an application in the Web+ console, see [#unique_6](#).
- For more information about CLI-related commands, see [#unique_7](#).

2 Create a WordPress website

WordPress is a popular Content Management System (CMS). This topic describes how to use Web App Service to create a WordPress website.

Create a WordPress environment in the Web App Service console

In the Web App Service console, you can create a WordPress environment.

1. Log on to the [Web App Service console](#) and select the required region in the upper-left corner of the page.
2. On the **Overview** page, click **Get Started with WordPress** in the upper-right corner of the **Last Updated Environments** section.
3. On the **Get Started with WordPress** page, set the required parameters.

Parameter	Description
Application Name	The name of the application.
Application Description	The description of the application.
Use Shared OSS Storage	<ul style="list-style-type: none">• Specifies whether to enable shared OSS storage. If you turn on the switch, Web App Service provides shared OSS storage. After you create the application, all data required by relevant environments to run the application is stored in shared OSS storage. The data includes uploaded packages, collected logs, and diagnostic information.• If you turn off the switch, all data will be stored in your OSS buckets.
Custom Environment Information	<ul style="list-style-type: none">• Specifies whether you can customize environment information. If you turn off the switch, Web App Service creates a WordPress environment based on a low-cost preset configuration. The name of the environment is the same as the name of the application.• After you turn on the switch, you can enter a custom Environment Name and Environment Description.

4. Click **Start WordPress**.

5. In the **Actions** dialog box, view the list of change events and click **OK**.

A page appears, indicating that the application and the environment are created. Click **View environment Logs** to go to the **Change Events** dialog box. After the update is complete, close the dialog box and go to the **Overview** page.

Visit the homepage of the application to install and configure WordPress

1. On the **Overview** page, click **Public Address** to visit the homepage of the application.
2. Go to the Configurations tab. After you select the required language on the tab, the Welcome dialog box as shown in the following figure appears.

Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

Username
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password
Strong

Important: You will need this password to log in. Please store it in a secure location.

Your Email
Double-check your email address before continuing.

Search Engine Visibility Discourage search engines from indexing this site
It is up to search engines to honor this request.

3. Complete the subsequent configurations for WordPress based on your business requirements.