

Alibaba Cloud

Web App Service
Application management

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Document conventions

Style	Description	Example
 Danger	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.
 Warning	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.
 Notice	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.
 Note	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.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

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1. Deploy applications

This topic describes how to create, deploy, view, update, and delete an application. It also allows you to modify and release a deployment environment.

Background information

Before using Web+ to deploy an application, you must create an application and deployment environment. Then, you can upload a deployment package to the deployment environment and deploy the application. An application can run in multiple deployment environments, and only one application can run in one deployment environment.

Step 1: Create and deploy an application

1. Log on to the [Web+ console](#).
2. On the **Overview** page, click **Create** in the upper-right corner of the **Last Updated Deployment Environments** section.
3. In the **Basic Information** step, configure the required settings. After the configuration is complete, click **Next**.
 - Select a **Technology Stack Type**. Available technology stack types include **Tomcat**、**Java**、**Node.js**、**Go**、**PHP**、**Python**、**ASP.NET Core**、**Ruby** and **Native**.
 - Enter an **Application Name** and **Application Description**.
4. In the **Deployment Environment Information** step, configure the required deployment environment and deployment package settings. Then, click **Create with Low Cost Preset** to create a deployment environment with the Pre-defined Configuration setting specified as Low-cost. You can also click **Next** to go to the **Configurations** step and configure the required settings.
 - Select an option from the **Technology Stack Version** drop-down list. An option that is marked with a star icon indicates a recommended technology stack version.
 - Enter a **Deployment Environment Name** and **Deployment Environment Description**.
 - You can select **Upload Local Application** or **Use Sample Application** in the **Deployment Package Source** setting.
 - **Upload Local Application**: You can click **Select File** to upload a local deployment package.
 - **Use Sample Application**: You can use a sample deployment package that is provided by Web App Service rather than uploading a local deployment package.
5. In the **Configurations** step, select an option in the Pre-defined Configuration setting. After the configuration is complete, click **Creation Complete**.
 - **Low-cost**: A low-cost configuration only includes one ECS instance with a minimum specification that you can purchase in the current zone, click **Create with Low Cost Preset** after selection.
 - **High Availability**: A high-availability configuration includes two instances with a minimum specification and one SLB instance of the Performance Sharing type, which you can purchase in the current zone, click **Create with High Availability Preset** after selection.
 - **Custom**: A custom configuration includes resources and applications specific to a deployment environment based on your business requirements. You can follow the instructions provided in the following topics to configure custom settings. If the Pre-defined Configuration setting is not

specified, Web+ uses the low-cost configuration for a new deployment environment by default, please see [Deployment environment overview](#). Click **Create with Custom Configuration** after configuration.

6. In the **Actions** dialog box, confirm the list of specified resources and their configurations and click **OK**.
7. In the **Finish** step, you can view the process of creating the application.
 - You can click **View Application** or **Finish** to open the **Application Details** page.
 - You can click **View Deployment Package Version** to open the **Deployment Package Versions** page.
 - Click **View environment Logs** to go to the **Deployment Environment Events** page.

Step 2: View deployment environment details and open the homepage of the application

After creating an application and deployment environment, you can log on to the [Web+ console](#) and open the **Overview** tab of the **Environment Details** page. On the tab, you can perform deployment environment operations, such as start, stop, restart, release, delete, and configure. You can also view the deployment package version, status, technology stack, owner, operation time, public IP address, and a list of latest events that occur in the deployment environment.

1. Log on to the [Web+ console](#).
2. On the **Overview** page, click **View All** in the upper-right corner of the **Last Updated Environments** section.
3. On the **Applications and Environments** page, click the > icon next to the name of an application to show a list of linked deployment environments.

 **Note** On the **Environments** list, the most recently updated four deployment environments are displayed. If the required deployment environment is displayed on the list, you can click the specific name to go to the **Deployment Environment Details** page.

4. Click the name of a deployment environment to go to the **Overview** tab of the **Environment Details** page.
5. If a green dot appears next to the name of a deployment environment, it indicates that the deployment environment is in the **Running** state. You can click the link next to the **Public IP Address** label to open the homepage of the application.

Step 3: Update a deployment package

If no processing change exists in a deployment environment, you can upload a new deployment package.

1. Log on to the [Web+ console](#).
2. On the **Overview** page, click **View All** in the upper-right corner of the **Last Updated Deployment Environments** section.
3. On the **Applications and Deployment Environments** page, click the > icon next to the name of an application to show a list of linked deployment environments.
4. Click the name of a deployment environment to go to the **Overview** tab of the **Environment Details** page.

5. Click **Deploy** in the upper-right corner.
6. In the **Environment** dialog box, follow the provided instructions to configure a new deployment package and click **OK**.

Web App Service will deploy the new deployment package on ECS instances that reside in the deployment environment. You can view the deployment status on the Overview tab of the Deployment Environment Details page. When the version of a deployment package is being updated, an animated icon appears next to the Deployment Package Version label. After the deployment is complete, a green dot appears next to the name of the deployment environment. This indicates that the deployment environment is in the Running state. The new version of the deployment package is also added to the list of deployment package versions.

Step 4: Change deployment environment settings

If you want to change deployment environment settings after an application and deployment environment are created, you can follow the instructions to go to the Configurations tab of the Deployment Environment Details.

1. Log on to the **Web+ console**.
2. On the **Overview** page, click **View All** in the upper-right corner of the **Last Updated Deployment Environments** section.
3. On the **Applications and Deployment Environments** page, click the > icon next to the name of an application to show a list of linked deployment environments.
4. Click the name of a deployment environment on the list of linked deployment environments.
5. In the left-side navigation pane of the **Environment Details** page, click **Configurations**.
6. On the **Configurations** tab, configure the required resources for the deployment environment.
7. Click **Edit Configuration** to update the configurations.
8. In the **Edit Configuration** dialog box, confirm configuration changes and click **OK**.
9. Go to the Overview tab of the **Environment Details** page to view the status of the deployment environment.

If the dot next to the specific name of the deployment environment is green, it indicates that the deployment environment is updated.

Step 5: Delete an application

You have to make sure all deployment environments that run an application are released before deleting the application. After you release a deployment environment, all resources that reside in the deployment environment will be released. These resources include ECS instances or the SLB instance. Therefore, you stop being charged for these resources.

1. **Release a deployment environment :**
 - i. Log on to the **Web+ console**.
 - ii. On the **Overview** page, click **View All** in the upper-right corner of the **Last Updated Deployment Environments** section. On the **Applications and Deployment Environments** page, click the ID of an application to be deleted. Then, you are directed to the Overview tab of the **Application Details** page.
 - iii. Select a deployment environment, click the icon in the upper-right corner of the card of the deployment environment, and then select **Release** from the drop-down list.

- iv. In the **Release Environment** dialog box, enter the name of the environment and click **OK**.
 - v. If an application is deployed in multiple deployment environments, repeat the preceding steps to release all deployment environments that run the application.
2. Go to the Overview tab of the **Application Details** page, click **Delete Application** in the upper-right corner of the page. In the **Confirm Application Deletion** dialog box, click **OK** to delete the application.

2. Overview of application details

In Web App Service, you can view the details of an application and manage deployment environments that run the application on the Application Details page. On the page, you can also create deployment environments and delete the application.

View the Application Details page

1. Log on to the [Web+ console](#).
2. On the **Overview** page, click **View All** in the upper-right corner of the **Last Updated Deployment Environments** section.

The **Applications and Deployment Environments** page that appears shows a list of applications that run in the specified region and deployment environments where these applications reside.

3. Click the ID of an application to open the **Overview** tab of the Application Details page.

View application details and a list of deployment environments

The Overview tab of the Application Details page shows all application details and linked deployment environments.

View application details

On the Overview tab of the Application Details page, you can view the following details of an application: the application name, application ID, number of deployment environments, number of running deployment environments, number of released deployment environments, owner, creation time, latest operator, and latest operation time.

View a list of deployment environments

- Click the name of a deployment environment to open the Overview tab of the **Deployment Environment Details** page. You can configure, monitor, or manage the deployment environment on the tab.
- Choose **> Release** in the upper-right corner of a deployment environment card to release the deployment environment. All resources that reside in the deployment environment will be released. These resources include ECS instances and the SLB instance. Therefore, you will no longer be charged for these resources.
- After the deployment environment is released, choose **> Delete** to delete the deployment environment.
- Click the name of a **deployment package** to download the deployment package.

Create a deployment environment

1. On the Overview tab of the **Application Details** page, click **Create Deployment Environment** in the upper-right corner.
2. In the **Deployment Environment Information** step, configure the required settings for the deployment environment and deployment package. After the configuration is complete, click **Creation Complete** to create a deployment environment with the Pre-defined Configuration setting specified as Low-cost by default. You can also click **Next** to go to the **Configurations** step and configure the required settings for the deployment environment.

Setting	Description
Deployment Environment Name	The name of the deployment environment. Enter <code>online_test</code> . The name must be a maximum of 64 characters in length and can contain letters, digits, hyphens (-), and underscores (_).
Deployment Environment Description	The description of the deployment environment. Enter the online testing environment. The description must be a maximum of 1024 characters.
Deployment Package Source	<ul style="list-style-type: none"> ◦ Upload Local Application: You can click Select File to upload a local deployment package. ◦ Use Sample Application: You can use a sample deployment package that is provided by Web App Service rather than uploading a local deployment package. ◦ Select Earlier Version: You can select a previous deployment environment version from the Earlier Version drop-down list.
Deployment Package Version	Web App Service provides you with a version number for the deployment package by default. You can change the version number.
Version Description	This setting is visible if you select the Upload Local Application or Use Sample Application option. The description must be a maximum of 1024 characters in length.

3. In the **Configurations** step, you can select **Low-cost** or **High Availability** in the Pre-defined Configuration setting. You can also select **Custom** to customize the deployment environment by configuring the required settings for resources and applications. After the configuration is complete, click **Creation Complete**.
4. In the **Creation Complete** step, you can view the creation progress of the deployment environment.
 - You can click **Creation Complete** to open the Overview tab of the **Application Details** page.
 - You can click **Versions** to open the Versions tab.
 - You can click **Events** to open the Events tab.

Delete an application

Before deleting an application, you must release all deployment environments that run the application. After you release a deployment environment, all resources that reside in the deployment environment will be released. These resources include ECS instances and the SLB instance. Therefore, you will no longer be charged for these resources.

1. Choose **> Release** in the upper-right corner of a deployment environment card. In the **Confirm**

Deployment Environment Release dialog box, enter the name of the deployment environment and click **OK**.

2. Release all deployment environments that run an application.
3. On the Overview tab of the **Application Details** page, click **Delete Application** in the upper-right corner to delete the application.

 **Notice** When releasing the environment, Web+ will not release the following types of resources, please confirm whether you need it and release it manually:

- Database products: RDS and Redis.
- Resources in Subscription billing method.
- Resources imported from elsewhere.

3. Manage deployment package versions

When you upload a deployment package to a deployment environment for deploying an application, Web App Service will create a version for the deployment package. You can view a list of all versions on the Versions page of the Web App Service console.

View the Versions page

1. Log on to the [Web+ console](#).
2. On the **Overview** page, click **View All** in the upper-right corner of the **Last Updated Environments** section.
3. On the **Applications and Environments** page, click the application ID to go to overview of application details.
4. In the left-side navigation pane, click **Versions**.

Download deployment packages

On the **Versions** page, click the link of a historical deployment package in the **Deployment Package** column to download the deployment package.

Delete a deployment package

On the list of deployment package versions, you can use one of the following methods to delete deployment packages.

- **Delete a single deployment package:** You can click the  icon in the **Actions** column of a deployment package version and click **OK** in the Confirm Deletion dialog box.
- **Delete multiple deployment packages:** You can select multiple deployment environment versions and click **Delete** in the lower-left corner of the list for deployment environment versions. Then, click **OK** in the Confirm Deletion dialog box to delete a collection of deployment packages.

4. Manage configuration templates

On the **Deployment Environment Details** page, you can save the configurations of a deployment environment by creating a configuration template. On the **Configuration Templates** page, you can view a list of configuration templates that are created from deployment environments running a specific application.

View the Configuration Templates page

1. Log on to the [Web+ console](#).
2. On the **Overview** page, click **View All** in the upper-right corner of the **Last Updated Deployment Environments** section.

The **Applications and Deployment Environments** page that appears shows a list of applications that run in the specified region and deployment environments where these applications reside.
3. Click the ID of an application to open the **Application Details** page. In the left-side navigation pane, click **Configuration Templates**.

Manage configuration templates

On the Configuration Templates page, you can perform the following management tasks.

- You can use a configuration template to store a collection of environment settings. With these saved environment settings, you can create a new deployment environment.
- On the list of configuration templates, select a configuration template to be deleted, and click **Delete** to delete the configuration template. You can also click the  icon in the **Actions** column of a configuration template to delete the configuration template.
- Click the  icon in the **Actions** column of a configuration template. In the **Create Deployment Environment** dialog box, enter a name and description, and click **OK** to create a new deployment environment based on the configuration template. After the configuration is complete, the new deployment environment will be started.