

Tencent Cloud EdgeOne

Version Management

Product Documentation



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Version Management

Overview

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EdgeOne version management allows you to safely test, deploy, and roll back site configurations.

Note:

This feature only supports sites linked to **Standard** and **Enterprise Edition** packages.

Supported Modules

The current version management only supports **Layer 7 Acceleration Configuration Group** and **Edge Functions Configuration Group**. Once version management is enabled, the **Site Acceleration**, **Rule Engine**, and **Edge Functions** modules will be in **Version Management Mode** and can only follow version changes, while other configurations under the site will be in **Instant Activation Mode**.

Feature Value

1. Allows you to create independent versions for configuration management and changes.
2. Provide a testing environment, allowing you to deploy changes to the testing environment for validation before deploying to the production environment, ensuring potential issues and conflicts can be identified in advance.
3. If any unexpected issues arise after deployment, version management also provides the ability to quickly roll back to a previous version, allowing you to quickly restore to a stable configuration and minimize the negative impact on your business.

Relevant Concepts Reference

Version

In version management, a version is the smallest management unit of configuration. You can create independent versions to manage configuration changes.

Configuration Group

Configuration groups are the upper management units of versions. EdgeOne divides different feature modules into different types of configuration groups, such as: **Site Acceleration** and **Rule Engine** modules are divided into **Layer 7 Acceleration Configuration Group**, **Edge Functions - Trigger Rules** module is divided into **Edge Functions Configuration Group**, **Layer 4 Proxy** module is divided into **Layer 4 Acceleration Configuration Group**, **Security Protection** module is divided into **Security Configuration Group**, etc.

Assuming you use both Layer 7 Acceleration and Security Protection features, and two different teams are responsible for operations, dividing into different configuration groups helps your teams manage their respective configurations more conveniently.

Working Mode

Working modes are divided into **Instant Activation Mode** and **Version Management Mode**.

Instant Activation Mode means that configuration changes are immediately issued and will affect all production traffic once effective.

Version Management Mode means that configurations must follow version releases to change, and will only affect traffic in the corresponding environment after the version takes effect.

Before enabling version management, all configurations under the site are in **Instant Activation Mode**; after enabling version management, configurations in the configuration group will be in **Version Management Mode**, while other configurations under the site will be in **Instant Activation Mode**.

Environment

After enabling version management, EdgeOne will provide you with a **Test Environment** and a **Production Environment** by default.

Test Environment: EdgeOne provides a set of nodes isolated from the production environment as a test environment, allowing you to safely test if the changes in configuration have any issues.

Production Environment: The entire network of EdgeOne nodes serves as the production environment. Once you have verified the configuration in the test environment, you can deploy the changes to the production environment to affect all production traffic.

Enable Version Management

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This document will introduce how to enable version management and the information you need to know beforehand.

Note:

This feature only supports sites linked to **Standard** and **Enterprise Edition** packages.

Directions

1. Access the [TencentCloud EdgeOne console](#), locate the left-hand menu, and select the **Site List**. Within this listing, click on the **site** requiring configuration to enter its detailed page.
2. On the site details page, in the left navigation, click **Version Management**.
3. On the version management page, click **Enable Version Management**.
4. After reading the notes on enabling version management, click **Confirm Enable**.
5. After enabling, EdgeOne will automatically create a Layer 7 acceleration configuration group and an edge function configuration group for you, and provide production and test environment information. The following screen indicates successful activation.

Note:

1. After enabling version management, the modules in the Layer 7 acceleration configuration group and the edge function configuration group will switch from **immediate effect mode** to **version management mode**, and the current effective configuration will be generated as the initial version Version 0 to ensure your business runs smoothly.
2. Rules in the **Rule Engine** that are in a disabled state will be deleted. Please make necessary backups in advance if needed.

Create Version

Last updated : 2025-04-02 19:08:16

This article will introduce how to create versions in a configuration group for configuration management.

Notes:

1. This feature only supports sites linked to **Standard** and **Enterprise Edition** packages.
2. Note that once a version is created, it cannot be deleted. Add with caution.

Overview

Suppose you need to create a new version under the Layer 7 acceleration configuration group for configuration changes.

Operation Steps

1. Log in to the [EdgeOne console](#) and click **Site List** on the left sidebar. In the site list, click the site to be configured to enter the site details page.
2. On the site details page, click **Version Management** in the left navigation.
3. In the action column of the configuration group list, click **Enter**.
4. On the version list page, click **Create Version**.

5. In the create version popup:

The version number is automatically incremented based on the current version, no need to fill in;

The version source includes **Copy Existing Version Configuration** and **Import Local Version File**:

Copy Existing Version Configuration: Allows you to modify and generate a new version based on the existing version, making it convenient to change the current site configuration;

Import Local Version File: Allows you to directly import a version file from your local system to generate a new version, making it convenient to reuse the same configuration across sites.

Description is optional and can be used to fill in the version description, with a maximum limit of 50 characters.

6. The version editing page provides both **Configuration Mode** for graphical interface operations and **JSON Mode** for directly writing configuration files through code. It is recommended to operate directly in **Configuration Mode**. If you need to modify the configuration through code in **JSON Mode**, please [Contact Us](#). After completing the editing, click **Save as New Version** in the upper right corner.

Verify in the test environment and then release to the production environment

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This article will introduce how to configure and verify in the test environment after creating a new version and then release it to the production environment.

Note:

This feature only supports sites linked to **Standard** and **Enterprise Edition** packages.

Overview

Assuming your current domain is `www.example.com`, the current effective version of the Layer 7 acceleration configuration group is Version 0. Now, you need to change it to Version 1. You should first verify the configuration in the test environment before releasing it to the production environment.

Note:

The information in the following text and images is sample data. Do not use it.

Prerequisites

1. Add the site `example.com` according to the [Quick Start](#) guide and purchase the EdgeOne Enterprise package.
2. Version management has been successfully enabled. For how to enable version management, see [Enabling Version Management](#).
3. Add the domain `www.example.com` according to [Adding A Domain Name for Acceleration](#) without switching CNAME.
4. Version 1 has been created. For how to create a version, see [Create A Version](#).

Directions

Step 1: Releasing Version 1 to the Testing Environment

1. Access the [TencentCloud EdgeOne console](#), locate the left-hand menu, and select the **Site List**. Within this listing, click on the **site** requiring configuration to enter its detailed page.
2. On the site details page, click **Version Management** in the left navigation.
3. On the Testing Environment page, click **Change Version**.

4. Please select the **Version 1** you want to change, and click **Next**.

5. You can view the differences between the new version and the original version on the Comparison page to confirm whether the changes meet your expectations. If everything is correct, click **Next**.

6. You need to fill in the change description, limited to 100 characters. After completing the entry, click **Confirm Change**.

7. On the version change history page of the test environment, seeing a successful release indicates that the configuration of Version 1 has taken effect in the test environment.

Step 2: Conducting Simulated Access Testing

1. Click **Version Management** in the top navigation to return to the environment page. The CNAME address effective in the test environment will be displayed on the test environment page. You can obtain the access IP of the CNAME, modify the HOST file to bind the IP for simulated access testing.

2. According to the current assigned test environment CNAME address, you can refer to [Verify Business Access](#), steps 4-5 in the document, to obtain and bind the test environment IP address to your local machine. When accessing the domain from your local machine, it will point to the test environment.

3. Conduct simulated access testing. If the response is normal and consistent with expectations, it indicates that the test environment is configured correctly.

Step 3: Releasing Version 1 to the Production Environment

1. After verifying the test is correct, release the version to the production environment. On the Production Environment page, click **Change Version**.

2. Refer to **Step 1** items 4-7 to complete the version change in the production environment, and release version 1 to the production environment.

Quickly roll back to a previous version

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This article will show you how to quickly roll back to a previous version.

Notes:

This feature only supports sites linked to **Standard** and **Enterprise Edition** packages.

Overview

Suppose you encounter some unknown issues after releasing Version 1 in the production environment, you need to quickly roll back to the previous stable version, Version 0.

Operation Steps

1. Access the [TencentCloud EdgeOne console](#), locate the left-hand menu, and select the **Site List**. Within this listing, click on the **site** requiring configuration to enter its detailed page.
2. On the site details page, click **Version Management** in the left navigation.
3. On the production environment page, click **View All Version History**.

4. On the production environment version change history page, find the release record corresponding to Version 0, and click **Rollback to this Node**.

5. You can view the differences between the current version and the version to be rolled back on the comparison page. Confirm whether the changes in the configuration meet your expectations. If everything is correct, click **Next**.

6. You need to fill in the change description, limited to 100 characters. After completing the entry, click **Confirm Rollback**.

7. Rollback is equivalent to quickly republishing the original version. A new release record will be generated in the environment change history, indicating that the configuration has been rolled back to Version 0 upon successful release.