CDN

Whole Site Acceleration User Guide

Issue 01

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HUAWEI CLOUD COMPUTING TECHNOLOGIES CO., LTD.

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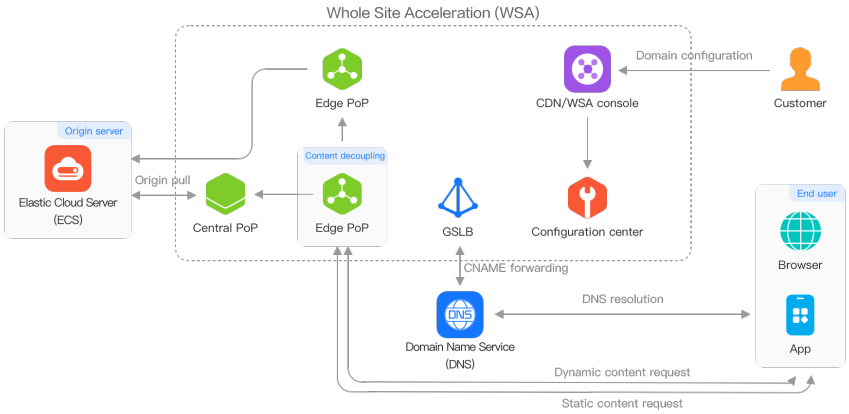
1 What Is Huawei Cloud WSA?

Whole Site Acceleration (WSA) suites origin servers with both dynamic and static content or with many dynamic content requests, such as ASP, JSP, and PHP requests. It leverages smart network acceleration and a high-quality global network to optimize costs, performance, stability, security, and access experience for sites/apps with only dynamic content or both dynamic and static content, content upload, API calling, layer 4 protocol transmission, and cross-region transmission. WSA improves the access success rate, speeds up content delivery across the entire website, and optimizes content delivery in real time.

For details, see **Whole Site Acceleration**.

Figure 1-1 Processing a request



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2 Relationship Between WSA and CDN

Service Enabling

Before enabling WSA, **enable Content Delivery Network (CDN)**.

PoP Sharing

WSA and CDN share points of presence (PoPs). For details about PoPs, see **PoP Distribution**.

Console

WSA and CDN share the same console. To access the console, log in to **Huawei Cloud console** and choose **Service List** > **Content Delivery & Edge Computing** > **Content Delivery Network**.

Adding a Domain Name to WSA

1. Log in to **Huawei Cloud console**. Choose **Service List** > **Content Delivery & Edge Computing** > **Content Delivery Network**.
2. In the navigation pane, choose **Domains**.
3. On the **Domains** page, click **Add Domain Names** and specify domain parameters.
4. Set **Service Type** to **Whole site**. The settings of other parameters are the same as those of CDN. For details, see **Adding a Domain Name**.

Customizing the Domain Name Configuration

- The configuration of WSA domain names is similar to that of CDN. For details, see **Custom Domain Name Configuration**.
- WSA and CDN share quotas, such as the number of URLs to be purged or prefetched every day.

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3 Billing

- WSA is billed for the basic fee and value-added service fee. For details, see **Table 3-1**. For details about pricing, see **Product Pricing Details**.
- After WSA is enabled, you will be billed by WSA for WSA domain names. CDN and WSA resource packages cannot be used to deduct traffic charged by the other service.

Table 3-1 WSA billing

Billing Item	Billed By	Description
Basic service fee	**Traffic**	You are billed by the traffic used per hour. You can also buy traffic packages to deduct traffic used.
	Peak bandwidth	The system measures and records a peak bandwidth every 5 minutes, so 288 records are collected per day. The highest peak bandwidth per day is used as the billable bandwidth.
	95th percentile bandwidth	In each calendar month, the peak bandwidth is measured and recorded on each valid day. At the end of the month, the records are sorted from the highest to the lowest, and the top 5% of the records are thrown away. Then the highest bandwidth value in the remaining records is the billable bandwidth of the month and a bill is generated based on the contract price.
	Average daily peak bandwidth	At the end of each calendar month, the system calculates the average of peak bandwidth of valid days in this month. The average value is the billable bandwidth of the month and a bill is generated based on the contract price.

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Billing Item	Billed By	Description
Value-added service fee	**Whole site acceleration request**	You are billed by the number of whole site acceleration requests for dynamic and static content.

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