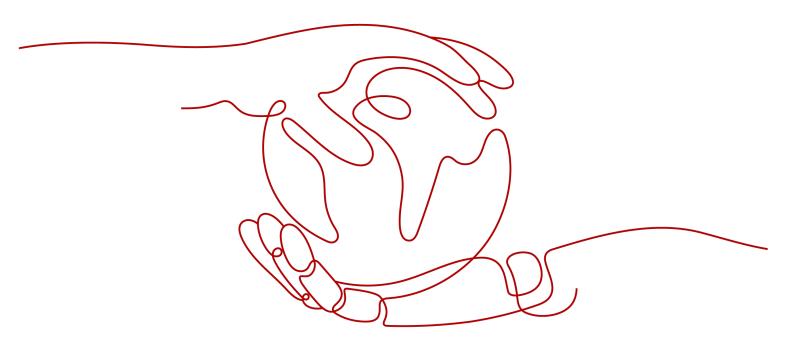
solution

Building a Magento E-Commerce Website-v2.0

Issue 2.0.1

Date 2025-07-10





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Solution Overview

Application Scenarios

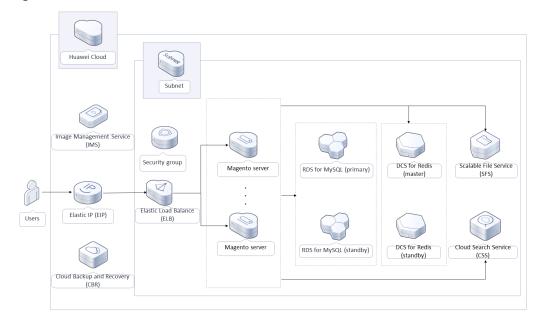
This solution helps you quickly build a fully-featured, easy-to-manage, and highly available Magento-based e-commerce website on Huawei Cloud. Magento is a fully-featured, open-source, e-commerce framework with a modular architecture. This solution is good for:

- Online retailers hoping to build up their own brands and stores
- Traditional retailers with stores in many locations but who want to expand online retail channels
- Vendors running online stores that serve customers directly

Solution Architecture

You can use this solution to quickly build a highly available e-commerce website based on Magento. The following figure shows the solution architecture.

Figure 1-1 Solution architecture



To use this solution, you need to:

- Assign three Elastic IPs (EIPs) so that the ECSs can communicate with the Internet.
- Create two Elastic Cloud Server (ECS) instances, each with an EIP bound, to improve fault recovery and availability. Install Magento on the ECSs for deploying your e-commerce platform.
- Create an Elastic Load Balance (ELB) instance and bind an EIP to it to distribute service traffic across AZs. An ELB instance is a load balancer. This increases service capabilities and fault tolerance of your e-commerce application.
- Create two RDS for MySQL instances to work as a primary/standby pair for the e-commerce platform database to enhance disaster recovery capabilities.
- Create two Distributed Cache Service (DCS) for Redis instances to work as a master/standby pair to store session data and improve the performance and scalability of your e-commerce application.
- Create a Scalable File Service (SFS) Turbo file system to provide static shared file storage services for the highly available Magento-based ecommerce website.
- Create a Cloud Search Service (CSS) Elasticsearch cluster and enable the VPC endpoint service. This allows your users to search for products by keyword and view recommended products on the e-commerce platform.
- Use Image Management Service (IMS) to create a Magento server image to quickly create other servers.
- Use Cloud Backup and Recovery (CBR) to back up Magento server data for subsequent image creation.
- Create a security group to control traffic to and from ECSs.

Advantages

This solution has the following advantages:

- Load balancing
 - ELB distributes incoming traffic across AZs, improving the service availability of your e-commerce website.
- High availability
 - ECSs are deployed in multiple AZs, and RDS instances are deployed in a primary and standby pair across AZs. This solution leverages Huawei Cloud services and resources including CSS, DCS for Redis, SFS turbo, and more, to ensure smooth running of the website.
- Easy deployment
 - With just a few clicks, you can quickly get resource provisioned and deploy a highly available Magento e-commerce website.

Constraints

• Before deploying this solution, register a HUAWEI ID, enable Huawei Cloud services, and complete real-name authentication. If you select the yearly/monthly billing mode, ensure that your account has sufficient balance. If you

- do not have sufficient balance, you can go to the **Billing Center** to manually pay for the order.
- If you want to use IAM agencies to deploy resources, ensure that your Huawei Cloud account has sufficient IAM permissions. For details, see (Optional) Creating the rf_admin_trust Agency. If you deploy this solution using a Huawei account or as an IAM user in the admin user group, you do not need to select an agency. The permissions of the login user are used for solution deployment.
- Ensure that services on all servers are running properly before releasing the EIP bound to the servers.

Resource and Cost Planning

This solution deploys the resources listed in the following table. The costs are only estimates and may differ from the final prices. For details, see **pricing details**.

Table 2-1 Resource planning and costs (yearly/monthly)

Huawei Cloud Service	Example Configuration	Monthly Cost
Elastic Cloud Server (ECS)	 Region: AP-Singapore Billing Mode: Yearly/Monthly Type: x86 General computing s6.xlarge.2 4vCPUs 8 GB Image: CentOS 7.6 64bit System Disk: General Purpose SSD 100 GB Required Duration: 1 month Quantity: 2 	\$166.46 USD
Elastic IP (EIP)	 Region: AP-Singapore Billing Mode: Yearly/Monthly Product Type: Dedicated Routing Type: Dynamic BGP Billed By: Bandwidth Bandwidth: 5 Mbit/s EIP Quantity: 1 	\$57.00 USD

Huawei Cloud Service	Example Configuration	Monthly Cost
Elastic IP (EIP)	 Pay-per-use: \$0.12 USD/EIP/GB Region: AP-Singapore Billing Mode: Pay-per-use Product Type: Dedicated Routing Type: Dynamic BGP Billed By: Traffic EIP Quantity: 2 	\$0.24 USD/GB
Relational Database Service (RDS)	 Region: AP-Singapore Billing Mode: Yearly/Monthly DB Engine: MySQL DB Engine Version: 8.0 DB Instance Type: Primary/Standby Storage: Cloud SSD 100 GB DB Instance Class: General-purpose 2 vCPUs 4 GB Required Duration: 1 month Quantity: 1 	\$108.64 USD
Elastic Load Balance (ELB)	 Pay-per-use: \$0.05 USD Region: AP-Singapore Billing Mode: Pay-per-use Type: Share load balancer Network Type: Private network Quantity: 1 	\$38.16 USD
Cloud Search Service (CSS)	 Region: AP-Singapore Billing Mode: Yearly/Monthly Type: X86 Compute-intensive ess.spec-4u8g 4vCPUs 8 GB Storage: Ultra-high I/O 100 GB Quantity: 3 Required Duration: 1 month 	\$494.16 USD
VPC Endpoint	 Pay-per-use: \$0.01 USD/hour Region: AP-Singapore Billing Mode: Pay-per-use Quantity: 1 	\$10.08 USD

Huawei Cloud Service	Example Configuration	Monthly Cost
Distributed Cache Service (DCS) for Redis	 Region: AP-Singapore Billing Mode: Yearly/Monthly Version: 6.0 Instance Type: Master/Standby CPU Memory: X86 DRAM Replicas: 2 Specification: 2 GB Quantity: 1 	\$62.64 USD
Cloud Backup and Recovery (CBR)	 Region: AP-Singapore Billing Mode: Yearly/Monthly Vault Type: Server backup vault 100 GB Quantity: 1 	\$3.60 USD
Scalable File Service (SFS)	 Region: AP-Singapore Billing Mode: Yearly/Monthly Type: SFS turbo standard Storage Space: 500 GB Quantity: 1 	\$40.00 USD
Image Management Service (IMS)	Region: AP-Singapore	Free
Total		\$980.74 USD + Price of public network traffic

Table 2-2 Resource planning and costs (pay-per-use)

Huawei Cloud Service	Example Configuration	Monthly Cost
Elastic Cloud Server (ECS)	 Pay-per-use: \$0.15 USD/ECS/hour Region: AP-Singapore Billing Mode: Pay-per-use Type: x86 General computing s6.xlarge.2 4vCPUs 8 GB Image: CentOS 7.6 64bit System Disk: General Purpose SSD 100 GB Required Duration: 1 month Quantity: 2 	\$212.69 USD
Elastic IP (EIP)	 Pay-per-use: \$0.13 USD/hour Region: AP-Singapore Billing Mode: Pay-per-use Product Type: Dedicated Routing Type: Dynamic BGP Billed By: Bandwidth Bandwidth: 5 Mbit/s EIP Quantity: 1 	\$90.00 USD
Elastic IP (EIP)	 Pay-per-use: \$0.12 USD/EIP/GB Region: AP-Singapore Billing Mode: Pay-per-use Product Type: Dedicated Routing Type: Dynamic BGP Billed By: Traffic EIP Quantity: 2 	\$0.24 USD/GB
Relational Database Service	 Pay-per-use: \$0.22 USD/hour Region: AP-Singapore Billing Mode: Yearly/Monthly DB Engine: MySQL DB Engine Version: 8.0 DB Instance Type: Primary/Standby Storage: Cloud SSD 100 GB DB Instance Class: General-purpose 2 vCPUs 4 GB Required Duration: 1 month Quantity: 1 	\$155.52 USD

Huawei Cloud Service	Example Configuration	Monthly Cost
Elastic Load Balance (ELB)	 Pay-per-use: \$0.05 USD Region: AP-Singapore Billing Mode: Pay-per-use Type: Share load balancer Network Type: Private network Quantity: 1 	\$38.16 USD
Cloud Search Service (CSS)	 Pay-per-use: \$0.86 USD/hour Region: AP-Singapore Billing Mode: Pay-per-use Type: X86 Compute-intensive ess.spec-4u8g 4vCPUs 8 GB Storage: Ultra-high I/O 100 GB Quantity: 3 Required Duration: 1 month 	\$622.08 USD
VPC Endpoint	 Pay-per-use: \$0.01 USD/hour Region: AP-Singapore Billing Mode: Pay-per-use Quantity: 1 	\$10.08 USD
Distributed Cache Service (DCS) for Redis	 Pay-per-use: \$0.07 USD/hour Region: AP-Singapore Billing Mode: Pay-per-use Version: 6.0 Instance Type: Master/Standby CPU Memory: X86 DRAM Replicas: 2 Specification: 2 GB Quantity: 1 	\$48.96 USD
Cloud Backup and Recovery (CBR)	 Pay-per-use: \$0.01 USD/hour Region: AP-Singapore Billing Mode: Pay-per-use Vault Type: Server backup vault 100 GB Quantity: 1 	\$3.60 USD

Huawei Cloud Service	Example Configuration	Monthly Cost
Scalable File Service (SFS)	 Pay-per-use: \$0.06 USD/hour Region: AP-Singapore Billing Mode: Pay-per-use Type: SFS turbo standard Storage Space: 500 GB Quantity: 1 	\$46.08 USD
Image Management Service (IMS)	Region: AP-Singapore	Free
Total		\$1227.17 USD + Price of public network traffic

3 Procedure

- 3.1 Preparations
- 3.2 Quick Deployment
- 3.3 Getting Started
- 3.4 Quick Uninstallation

3.1 Preparations

(Optional) Creating the rf_admin_trust Agency

Step 1 Log in to the Huawei Cloud official website, open the **console**, hover over the account name, and choose **Identity and Access Management**.

Figure 3-1 Console page



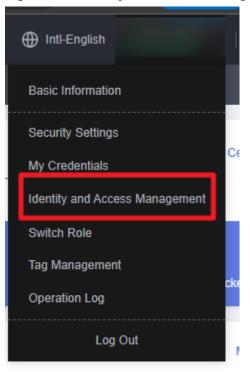


Figure 3-2 Identity and access management page

Step 2 Choose **Agencies** in the left navigation pane and search for the **rf_admin_trust** agency.

Figure 3-3 Agencies



- If the agency is found, skip the following steps.
- If the agency is not found, perform the following steps to create it.
- Step 3 Click Create Agency in the upper right corner of the page. On the displayed page, enter rf_admin_trust for Agency Name, select Cloud service for Agency Type and RFS for Cloud Service, and click Next.

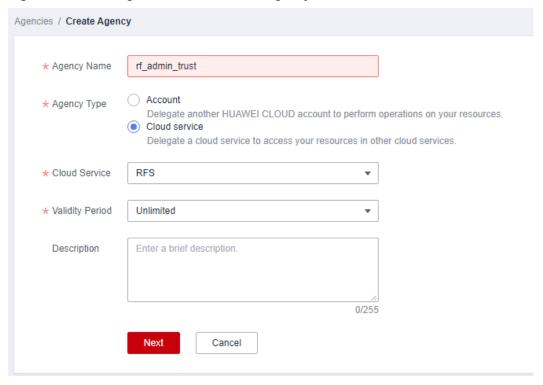
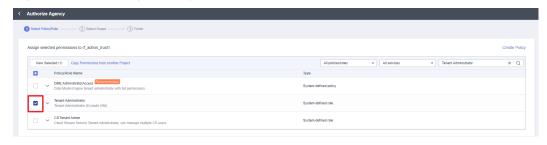


Figure 3-4 Creating the rf_admin_trust agency

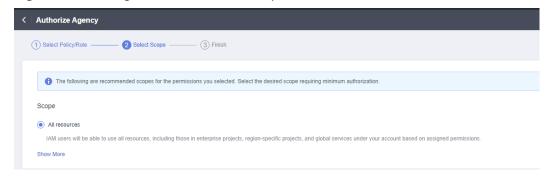
Step 4 Search for **Tenant Administrator**, select it in the search results, and click **Next**.

Figure 3-5 Selecting a policy/role



Step 5 Select **All resources** and click **OK**.

Figure 3-6 Setting the authorization scope



Step 6 Check that the **rf_admin_trust agency** is created and displayed in the agency list.

Figure 3-7 Agencies



----End

3.2 Quick Deployment

This section helps you quickly deploy a Magento e-commerce website on Huawei Cloud.

Table 3-1 Parameters for building a Magento e-commerce website

Parameter	Туре	Mand atory	Description	Default Value
enterprise_pr oject_id	string	Yes	Enterprise project ID. You can find the ID on the Enterprise Project Management Service console. 0 indicates the default enterprise project.	0
vpc_name	string	Yes	Virtual Private Cloud (VPC) name. This template uses a newly created VPC and the VPC name must be unique. It can contain 1 to 60 characters, including only letters, digits, underscores (_), hyphens (-), and periods (.).	magento- ecommerce- website-demo

Parameter	Туре	Mand atory	Description	Default Value
security_grou p_name	string	Yes	Security group name. This template uses a newly created security group. For details about how to configure security group rules, see (Optional) Modifying Security Group Rules. It can contain 1 to 64 characters, including only letters, digits, underscores (_), hyphens (-), and periods (.).	magento- ecommerce- website-demo
eip_bandwidt h_size	numb er	Yes	Bandwidth size, in Mbit/s, of the EIP that is bound to the load balancer and is used to access the Magento website. The EIP is billed by bandwidth. Value range: 1-2,000	5
rds_name	string	Yes	RDS instance name, which must be unique. The value can contain 4 to 64 characters, including only letters, digits, hyphens (-), and underscores (_). It must start with a letter.	magento- ecommerce- website-demo
rds_flavor	string	Yes	RDS instance flavor. For more flavors, see RDS for MySQL Instance Classes.	rds.mysql.n1.xlarge .2.ha
rds_volume_si ze	numb er	Yes	RDS instance disk size. The default storage type is cloud SSD, and the unit is GB. The value must be an integer multiple of 10. Value range: 40-4,000	100

Parameter	Туре	Mand atory	Description	Default Value
rds_password	string	Yes	Password of an RDS instance. The default administrator account is root . The password can contain 8 to 32 characters, which must include at least three types of the following characters: uppercase letters, lowercase letters, digits, or the following special characters: (~! @#%^=)	Left blank
redis_name	string	Yes	Name of a DCS for Redis instance. The value can contain 4 to 64 characters, including only letters, digits, hyphens (-), and underscores (_). It must start with a letter or digit.	magento- ecommerce- website-demo
redis_capacity	numb er	Yes	Total memory of master/standby DCS Redis instances. The unit is GB. For details, see Redis 6.0 Instance Specifications.	2
redis_passwor d	string	Yes	Initial password of a DCS for Redis instance. The value can contain 8 to 64 characters, including at least three types of the following characters: uppercase letters, lowercase letters, digits, and special characters: (~!@#%^=)	Left blank
css_name	string	Yes	Name of a CSS Elasticsearch cluster. The value can contain 4 to 32 characters, including only letters, digits, hyphens (-), and underscores (_). It must start with a letter.	magento- ecommerce- website-demo

Parameter	Туре	Mand atory	Description	Default Value
elasticsearch_f lavor	string	Yes	Elasticsearch cluster node specification. The specification can be Compute-intensive: ess.spec-4u8g, ess.spec-8u16g, ess.spec-16u32g, and ess.spec-32u64g; General computing: ess.spec-4u16g, ess.spec-8u32g, ess.spec-16u64g, and ess.spec-32u128g; Memory-optimized: ess.spec-4u32g, ess.spec-4u32g, ess.spec-4u32g, ess.spec-16u128g, and ess.spec-32u256g.	ess.spec-4u8g
elasticsearch_ node_number	numb er	Yes	Number of Elasticsearch cluster nodes. Three or more nodes are recommended for high availability. Value range: 1-32	3
elasticsearch_ volume_size	numb er	Yes	Disk size of Elasticsearch cluster nodes. The default node storage type is Ultra-high I/O . The value varies depending on the specifications. Value range: 40-20,480	100

Parameter	Туре	Mand atory	Description	Default Value
elasticsearch_ password	string	Yes	Initial password of the Elasticsearch cluster admin in the specific security mode. Do not use the administrator name, or the administrator name spelled backwards. The value can contain 8 to 32 characters, including at least three types of the following characters: uppercase letters, lowercase letters, lowercase letters, and special characters: (~!@#%^=)	Left blank
cbr_vault_na me	string	Yes	Name of the CBR server backup vault. It is used to create a full-ECS image for Magento server backups. The default image name is {ecs_name}-ims. The value can contain 1 to 64 characters, including only letters, digits, underscores (_), and hyphens (-).	magento- ecommerce- website-demo
sfs_turbo_na me	string	Yes	SFS Turbo name. The value can contain 4 to 64 characters, including only letters, digits, underscores (_), and hyphens (-). It must start with a letter.	magento- ecommerce- website-demo
sfs_turbo_size	numb er	Yes	SFS Turbo capacity, in GB. The default file system type is Standard . Value range: 500-32,768	500

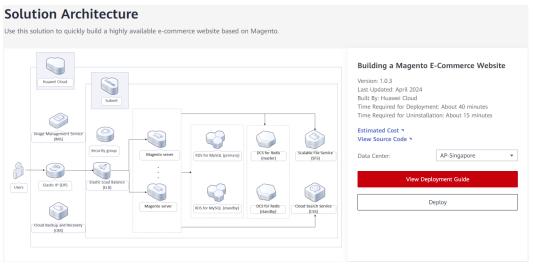
Parameter	Туре	Mand atory	Description	Default Value
ecs_name	string	Yes	Elastic Cloud Server (ECS) name, which must be unique. The naming format is <i>{ecs_name}-X</i> . <i>X</i> can be from 1 to 16. The value can contain 1 to 52 characters, including only letters, digits, underscores (_), hyphens (-), and periods (.).	magento- ecommerce- website-demo
ecs_number	numb er	Yes	ECS quantity. Value range: 2-16	2
ecs_flavor	string	Yes	ECS flavor. You are advised to use an ECS with 4 vCPUs and 8 GB memory or higher specifications. For more flavors, see A Summary List of x86 ECS Specifications.	s6.xlarge.2
ecs_password	string	Yes	ECS password. The value can contain 8 to 26 characters, including at least three types of the following characters: uppercase letters, lowercase letters, digits, and special characters: (~!@#%^=) The default administrator account is root .	Left blank
system_disk_s ize	numb er	Yes	The system disk size of the ECS. The default disk type is General Purpose SSD , and the unit is GB. The system disk can only be increased. Value range: 40-1,024	100
elb_name	string	Yes	Load balancer name. The value can contain 1 to 64 characters, including only letters, digits, underscores (_), hyphens (-), and periods (.).	magento- ecommerce- website-demo

Parameter	Туре	Mand atory	Description	Default Value
magento_ad min_firstnam e	string	Yes	Username of the Magento administrator. The value can contain 1 to 40 characters, including letters, digits, underscores (_), hyphens (-), and hyphens, and periods (.).	magento
magento_ad min_lastname	string	Yes	Last name of the Magento administrator. The value can contain 1 to 40 characters, including letters, digits, underscores (_), hyphens (-), and periods (.).	magento
magento_ad min_passwd	string	Yes	Password of the Magento administrator. The default username or logging in to the Magento website is admin. The password must contain at least seven characters, including at least three types of the following characters: uppercase letters, lowercase letters, digits, and special characters: (~!@#%^=), and it cannot contain any username or the username spelled backwards.	Left blank
magento_ad min_email	string	Yes	Email address used by the Magento administrator, which can be a personal or an enterprise email address.	Left blank
magento_pub lic_key	string	Yes	Public authentication keys generated by your Commerce Marketplace account. For details, refer to Get your authentication keys.	Left blank

Parameter	Туре	Mand atory	Description	Default Value
magento_priv ate_key	string	Yes	Private authentication keys generated by your Commerce Marketplace account.	Left blank
charging_mo de	string	Yes	Billing mode. By default, expenses are automatically deducted. The value can be postPaid (pay-per-use) or prePaid (yearly/monthly).	postPaid
charging_unit	string	Yes	Subscription period type. This parameter is valid only when the charging_mode is set to prePaid (yearly/monthly). The value can be month or year.	month
charging_peri od	numb er	Yes	Subscription period. This parameter is valid only when charging_mode is set to prePaid (yearly/monthly). Value range: 1-9 (charging_unit set to month); 1-3 (charging_unit set to year)	1

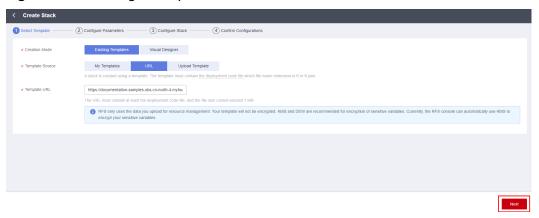
Step 1 Log in to Huawei Cloud Quick-Start Guides and choose Building a Magento E-Commerce Website. Select a region from the Data Center drop-down list and click Deploy.

Figure 3-8 Selecting a solution



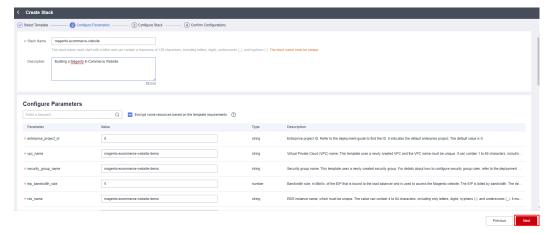
Step 2 On the **Select Template** page, click **Next**.

Figure 3-9 Selecting a template



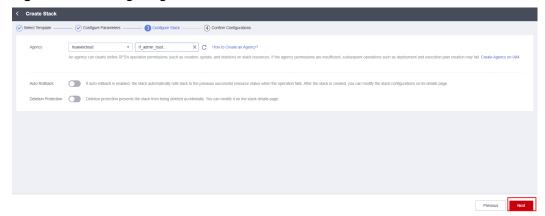
Step 3 On the **Configure Parameters** page, enter a stack name, configure parameters based on **Table 3-1**, and click **Next**.

Figure 3-10 Configuring parameters



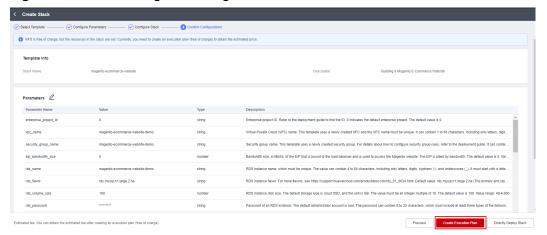
Step 4 On the **Configure Stack** page, select **rf_admin_trust** from the **Agency** drop-down list and click **Next**. This step is optional if you use an account (HUAWEI ID) or use an IAM user in the admin user group.

Figure 3-11 Configuring a stack



Step 5 On the **Confirm Configurations** page, confirm the configurations and click **Create Execution Plan**.

Figure 3-12 Confirming the configurations



Step 6 In the displayed **Create Execution Plan** dialog box, enter an execution plan name and click **OK**.

Create Execution Plan

To preview your resource billing information, you can create an execution plan.

* Execution Plan Name executionPlan_20240329_1520_9xwq

Description Enter a description of the execution plan.

Cancel

Figure 3-13 Creating an execution plan

Step 7 Wait until the status of the execution plan changes to **Available** and then click **Deploy** in the **Operation** column. In the displayed dialog box, click **Execute**.

Figure 3-14 Execution plan page



Execution Plan

Are you sure you want to execute the plan?

Execution Plan Name

Status

Created

executionPlan_20240416_172...

Available

Apr 16, 2024 17:21:09 GMT+...

After the plan is executed, the stack is updated accordingly, and resources in the template are enabled, which may incur fees based on resource payment requirements.

Execute

Cancel

Figure 3-15 Confirming the execution plan

- **Step 8** (Optional) If you select the yearly/monthly billing mode and your account balance is insufficient, log in to the Billing Center to manually pay for the order. You can refer to **Table 2-1** to see the total price.
- **Step 9** Wait until the message "Apply required resource success" is displayed on the **Events** tab page. This means the deployment is complete. The deployment takes about 30 minutes, which will be delayed by network fluctuations.

Figure 3-16 Resources created



----End

3.3 Getting Started

The document describes how to use Magento. The Magento website data is for reference only. By default, this solution does not install Magento sample data. If you need sample data, install it after the environment is successfully deployed by referring to **(Optional) Installing Sample Data**. The sample data cannot be automatically deleted from the database, so if you need to delete it, manually delete it on the Magento management system. You can learn how to use Magento by referring to **Magento product documentation**.

- By default, this solution uses Magento 2.4.5, PHP 8.1.27, Nginx 1.20.1, and Composer 2.6.6.
- Port 80 is used for accessing the Magento website.

(Optional) Modifying Security Group Rules

A security group is a collection of access control rules to control traffic to and from cloud resources, such as cloud servers, containers, and databases. Cloud resources associated with the same security group have the same security requirements and are mutually trusted within a VPC.

You can modify security group rules, for example, by adding, modifying, or deleting a TCP port, as follows:

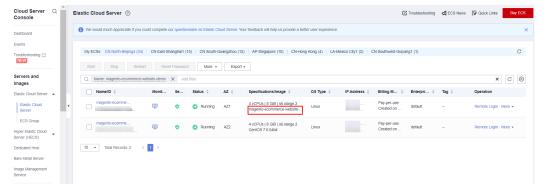
- Adding a security group rule: Add an inbound rule and enable a TCP port if needed.
- Modifying a security group rule: Inappropriate security group settings may cause serious security risks. You can modify a security group rule to ensure network security of your ECSs.
- Deleting a security group rule: If the source or destination IP address of an inbound or outbound security group rule changes, or a port does not need to be enabled, you can delete the security group rule.

Using Magento

The basic usage is the original status of Magento after the solution is successfully deployed. In this status, Magento sample data is not installed.

Step 1 Log in to **the ECS console**, locate the Magento servers created for this solution, and check whether the images of all servers except **magento-ecommerce-website-demo-1** are **var.magento-ecommerce-website-demo-ims**. If yes, all server environments are successfully deployed.

Figure 3-17 ECS image



Step 2 On the **Outputs** tab page of the stack, copy the address for accessing Magento.

Figure 3-18 Address for accessing Magento



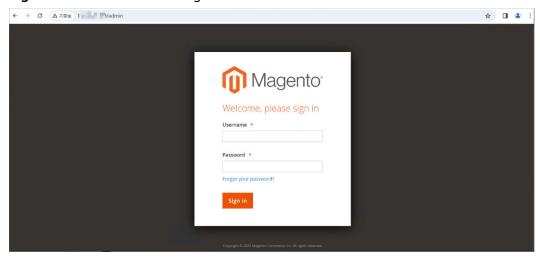
Step 3 Open the browser, paste the copied address into the address box, and press **Enter**. The following figure shows the client page of Magento.

Figure 3-19 Magento client



Step 4 Open the browser, add **/admin** to the end of the copied address in the address box, and press **Enter**. The following figure shows the administrator login page of Magento.

Figure 3-20 Administrator login screen

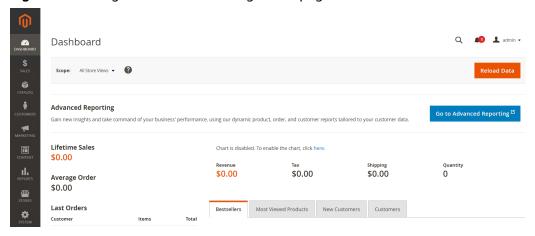


Ⅲ NOTE

The login username is **admin**, and the password is the value of **magento_admin_passwd** specified in the deployment template **Table 3-1**.

Step 5 On the backend management page, perform routine O&M on your online store.

Figure 3-21 Magento backend management page



----End

(Optional) Installing Sample Data

Step 1 Log in to **magento-ecommerce-website-demo-1** and run the **sampledata.sh** script. Enter **deploy** for installing sample data and **remove** for deleting sample data. For details, see **Sample data overview**.

[root@magento-ecommerce-website-demo-1]sh /tmp/sampledata.sh

Figure 3-22 Installing sample data

Step 2 To delete the sample data, run the command in the previous step and enter **remove**.

----End

Releasing EIPs

If the Magento website is successfully deployed and can be accessed from the Internet, you can release the EIPs bound to all servers to avoid unnecessary fees.

Step 1 Unbind EIPs. Log in to the ECS console, locate the ECSs you want to unbind the EIPs from. In the Operation column of each ECS, choose More > Manage Network > Unbind EIP. On the displayed dialog box, click Yes.

Figure 3-23 Viewing an EIP

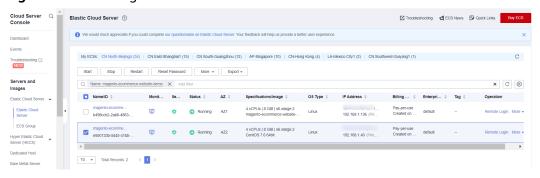
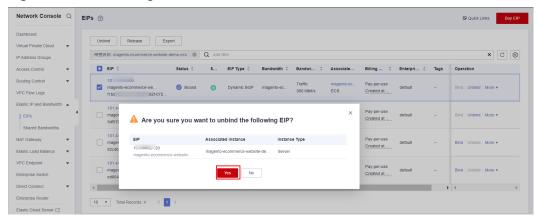


Figure 3-24 Unbinding an EIP



Step 2 Release EIPs. Log in to the **EIP console**, locate the EIPs you want to release, and choose **More** > **Release** in the **Operation** column of each EIP. On the displayed dialog box, click **Yes**.

Figure 3-25 Releasing an EIP



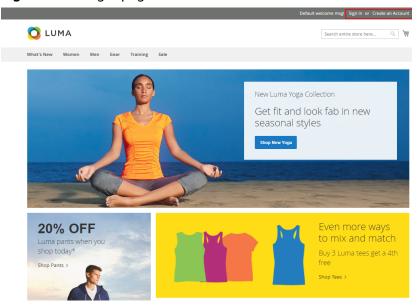
----End

User Operations on Magento Client

Open a browser, enter http://EIP in the address box, and press Enter.

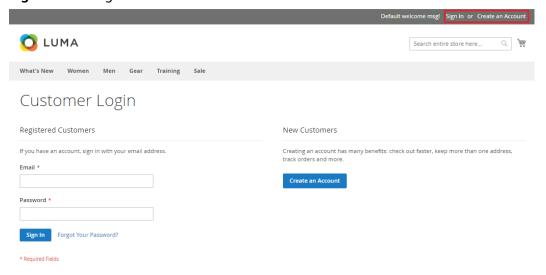
Step 1 Click **Sign In** or **Create an Account** in the upper right corner.

Figure 3-26 Login page



Step 2 Click **Create an Account** to register an account if you are a new user or **Sign In** if you already have an account.

Figure 3-27 Login demonstration



Step 3 Log in to the e-commerce platform, you can browse offerings and their details, reviews, quantity, and add them to the cart.

Figure 3-28 Browsing the offerings

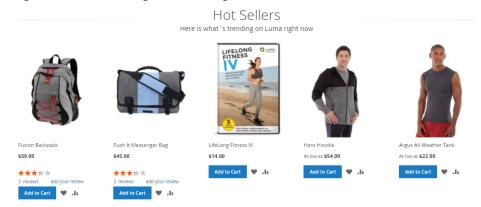
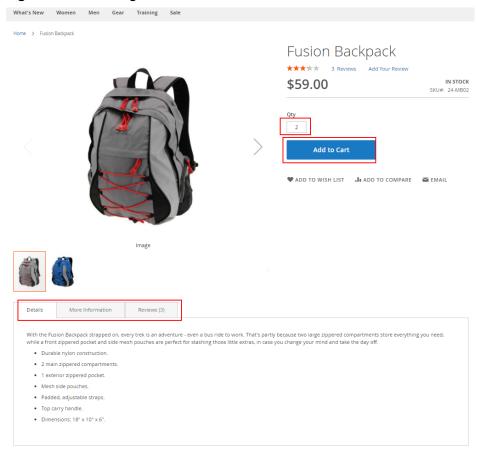
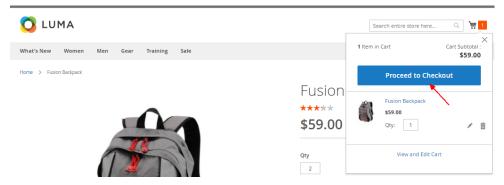


Figure 3-29 Viewing details



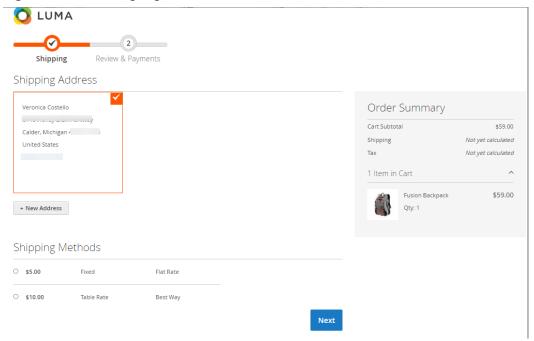
Step 4 Click **Proceed to Checkout** to place an order.

Figure 3-30 Placing an order



Step 5 Enter logistics information and pay for the order.

Figure 3-31 Entering logistics information



Step 6 Go to your account to view the order information.

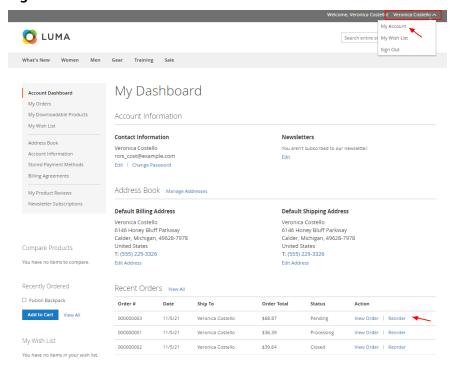


Figure 3-32 Your account

----End

Administrator Operations on Magento

Open a browser, enter **http://EIP/admin** in the address box, and press **Enter**. Enter the username and password as shown in the following figure to manage your online store.

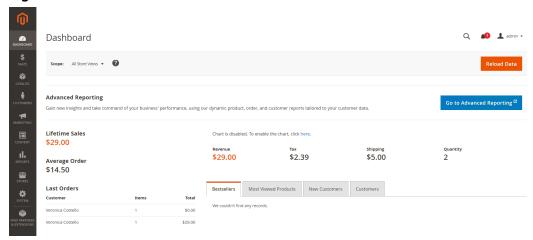
Figure 3-33 Logging in to Magento as an administrator



Management Console

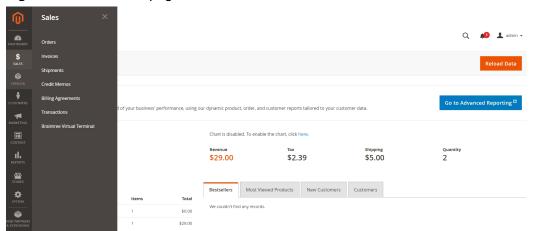
 Dashboard shows a brief overview of sales and customer activities, and is usually the first page you will see on the management console.

Figure 3-34 Dashboard



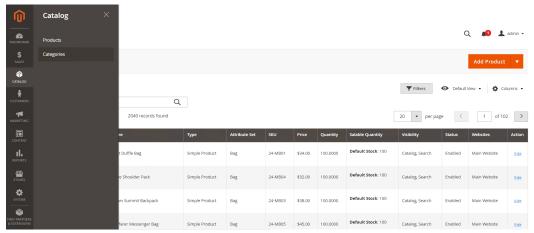
• On the **Sales** tab page, you can find anything about orders, including invoices, shipments, credit memos, and transactions.

Figure 3-35 Sales tab page



• On the **Catalog** tab page, you can manage catalogs and inventory.

Figure 3-36 Catalog tab page



 On the Customers tab page, you can manage their accounts and view online customers.

Customers

All Customers

New Online
Login as Customer Log
Customer Groups

Customer Groups

Customer Groups

20 Perpage C 1 of 102

Enabled Main Website Edit

Customer Groups

Customer Groups

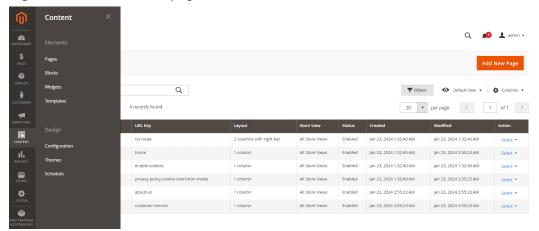
Add Product V

Customer Groups

Figure 3-37 Customers tab page

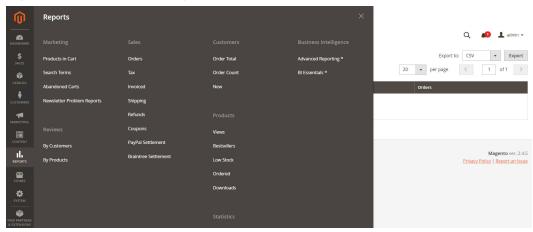
 On the Content tab page, you can manage store contents, including designing a page, arranging content blocks, and displaying frontend applications.

Figure 3-38 Content tab page



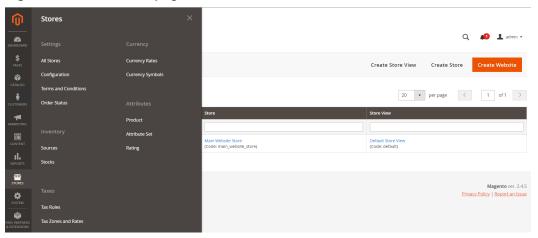
 On the Reports tab page, you can check on details into your stores, including reports on sales, products in cart, offerings, customers, tags, comments, and search terms.

Figure 3-39 Reports tab page



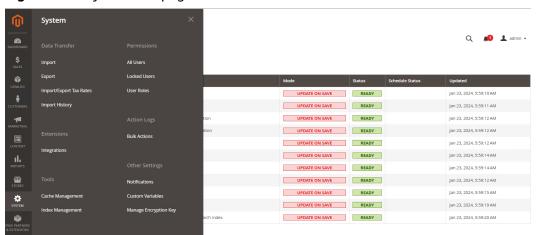
• On the **Stores** tab page, you can change settings to manage your stores.

Figure 3-40 Stores tab page



• On the **System** tab page, you can install extensions and manage web services tools required for integration with other applications.

Figure 3-41 System tab page



 On the Find Partners & Extensions tab page, you can find partners on Magento Marketplace for your stores.

Magento Marketplace

Platinum Partners

Representing Magento's highest level of partner engagement, Magento Platinum Partners have established themselves as leaders and innovators of key products and services designed to help merchants and brands grow their business. Magento reserves the Platinum level for select trusted partners that are committed to offening integrations of commerce features, functions, and tools, as well as back-end systems and operations, to extend and enhance the power of the Magento commerce platform.

Featured Platinum Partners

Votpo

Votpo is a game-changing reviews and marketing solution disrupting how businesses generate and use feedback. We help companies generate reviews, acquire traffic and increase conversions.

Read More

Partner Page

Akeneo PIM

Akeneo Akeneo Spensource enterprise PIM Product Information to the Magentor Integrated tax technology solutions for corporations worklowdie. Since on vertex for our unparalleled experts in itax technology and data magerand feeds high-quality product information to the Magentor manages and feeds high-quality product information to the Magentor platform. It dramatically improves product data quality and accuracy while simplifying and accuracy while simplif

Figure 3-42 Find partners & extensions tab page

Storefront Branding

One of the first things you need to do is to change the logo in the header and upload a favicon for the browser. You also need to add your welcome message and update the copyright notice in the footer. For details, see **Storefront branding**.

This is a demo store. No orders will be fulfilled.

This is a demo store. No orders will be fulfilled.

Default welcome msgl Sign In or Create an Account

What's New Women V Men V Gear V Training V Sale Gift Cards

New Luma Yoga Collection

Get fit and look fab in new seasonal styles

Shop New Yoga

Privacy and Cookie Policy

Search Terms
Orders and Returns
Contact Us
Advanced Search

Copyright © 2013 present Magento. Inc. All rights reserved.

Figure 3-43 Updating information

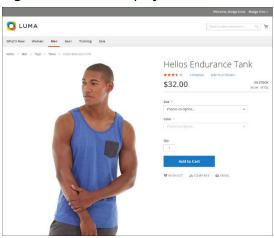
Creating a Product

The first thing you need to do is to choose a product type. For details, see **Create** a product.

If you are just beginning to create your product catalog, you can create a few sample products to experiment with each product type. For more information, see **Catalog Management Guide** on the Magento official website.

The most efficient way to add products to a catalog is to import them from a CSV file. For details, see **Import data**.

Figure 3-44 Item display

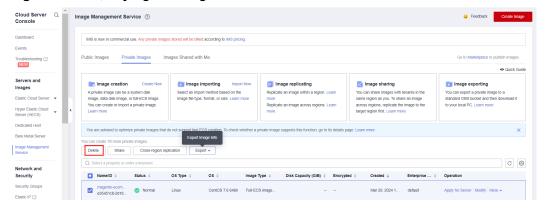


3.4 Quick Uninstallation

NOTICE

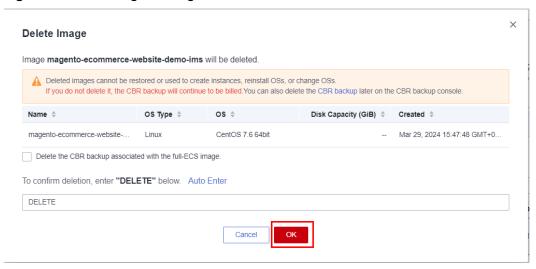
- Before uninstalling this solution, you need to go to the console to delete the image files and the cloud backup files associated with the images. If these files are not deleted, the uninstallation may fail.
- In this solution, a backup bucket is created for CSS by default. If the bucket is no longer used, you can log in to OBS console to delete it.
- **Step 1** Log in to the management console, click **Image Management Service**, and select the Magento server image (**magento-ecommerce-website-demo-ims**) created for this solution. Click **Delete**.

Figure 3-45 Querying an image



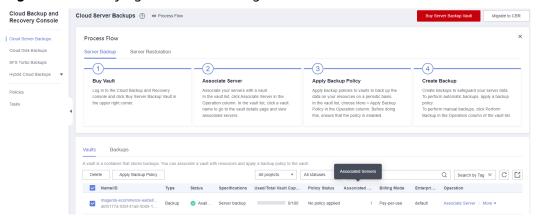
Step 2 In the displayed dialog box, select **Delete the CBR backup associated with the full-ECS image**, enter **DELETE**, and click **OK**.

Figure 3-46 Deleting an image



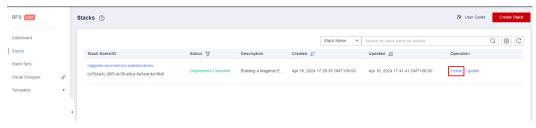
Step 3 Log in to the CBR console to go to the **Cloud Server Backups** page. Check whether the backup storage capacity of the ECS is **0**. If it is, the cloud backup associated with the image has been deleted.

Figure 3-47 Verifying whether the image is deleted



Step 4 Wait until the image file and cloud backup are completely deleted, find the resource stack deployed, and click **Delete**.

Figure 3-48 Deleting a stack



Step 5 Enter Delete and click OK.

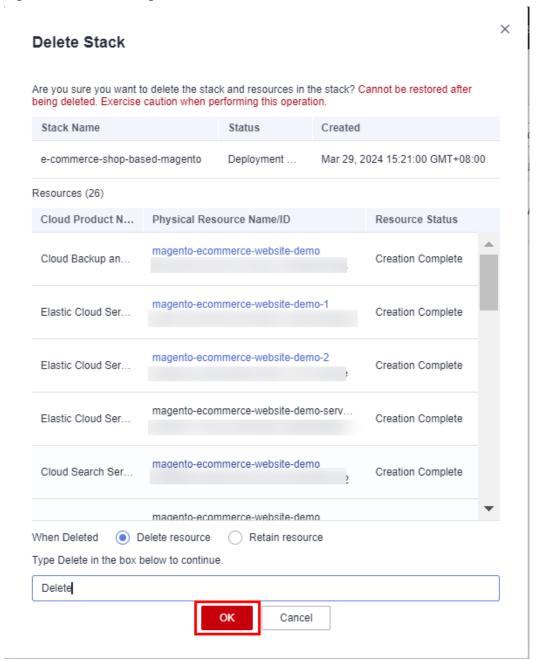


Figure 3-49 Confirming the uninstallation

----End

4 Appendix

Terms

- **Elastic Cloud Server (ECS)**: ECS provides secure, scalable, on-demand compute resources, enabling you to flexibly deploy applications and workloads. Before logging in to ECS console, **reset your password**. See **Logging In to an ECS** for guidance.
- Elastic Load Balance (ELB): ELB automatically distributes incoming traffic across multiple servers to balance their workloads, increasing service capabilities and fault tolerance of your applications. For details about how to adjust settings, see Modifying Load Balancer Settings.
- Elastic IP (EIP): EIP provides static public IP addresses and scalable bandwidths that enable your cloud resources to communicate with the Internet. You can easily bind an EIP to an ECS, BMS, virtual IP address, NAT gateway, or load balancer, enabling immediate Internet access.
- Relational Database Service (RDS): RDS is a stable, reliable, and scalable cloud database service. It enables you to deploy a fully managed cloud database within minutes, allowing you to focus on application development rather than database O&M. To log in to the cloud database, see Connecting to an RDS for MySQL DB Instance Through DAS (Recommended).
- Cloud Backup and Recovery (CBR): CBR lets you back up ECSs, EVS disks, SFS, on-premises servers, and VMware virtual environments with ease. If there is a virus attack, accidental deletion, or software or hardware fault, data can be restored to any point in the past when the data was backed up. If you want to use CBR to back up servers and disks, see Getting Started for Cloud Backup and Recovery.
- Cloud Search Service (CSS): CSS provides functions such as distributed online search, log statistics reports, and semantic search powered by open-source Elasticsearch.
- Distributed Cache Service (DCS) for Redis: DCS for Redis accelerates read/ write and has flexible specifications with the industry's first Redis cloud service to support both Arm and x86. Ultra-high performance and capacity come with the professional edition.

5 Change History

Table 5-1 Change history

Released On	Description	
2022-03-30	This is the first official release.	
2023-02-28	Revised the procedure.	
2024-01-30	Upgraded the Magento to support Elasticsearch and session caching to Redis.	