

Practical Application of Huawei Cloud Solutions

Quick Deployment of Cloud Environment for SAP Business One

Issue 1.0.1
Date 2024-08-08



Copyright © Huawei Technologies Co., Ltd. 2024. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions



HUAWEI and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Security Declaration

Vulnerability

Huawei's regulations on product vulnerability management are subject to the *Vul. Response Process*. For details about this process, visit the following web page:

<https://www.huawei.com/en/psirt/vul-response-process>

For vulnerability information, enterprise customers can visit the following web page:

<https://securitybulletin.huawei.com/enterprise/en/security-advisory>

Contents

1 Solution Overview.....	1
2 Resource and Cost Planning.....	3
3 Procedure.....	7
3.1 Preparations.....	7
3.2 Quick Deployment.....	10
3.3 Getting Started.....	20
3.4 Quick Uninstallation.....	23
4 Appendix.....	24
5 Change History.....	25

1 Solution Overview

Scenarios

This solution helps you quickly deploy an environment for **SAP Business One** on Huawei Cloud to facilitate digital transformation for your enterprises and provide a reliable, secure, and high-performance SAP Business One architecture. It is suitable for the following scenarios:

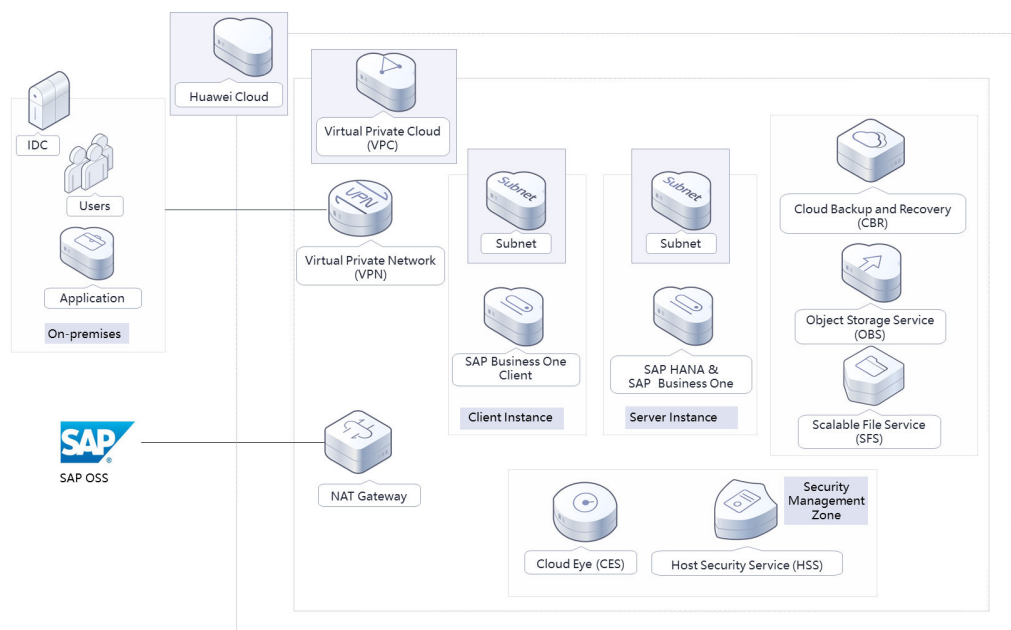
- Enterprises want to quickly deploy SAP Business One at a low cost.
- SAP Business One cloud migration

Architecture

This solution uses Huawei Cloud cloud servers and Elastic Volume Service (EVS) to provide a secure, reliable compute, storage, and network environment for SAP Business One to move to the cloud.

The following figure shows the architecture of this solution.

Figure 1-1 Solution architecture



This solution will:

- Create a VPC and two subnets. The subnets are for server and client, respectively.
- Create two security groups and configure security group rules to protect Huawei Cloud cloud servers.
- Create two FlexusX instances, one for the SAP HANA and SAP Business One server, and the other for the SAP Business One client.
- Create a NAT gateway, configure a destination network address translation (DNAT) rule to allow the external access to ports 22 (60022) and 3389 (63389), and configure a source NAT (SNAT) rule to enable the FlexusX instances to access the Internet.
- Create seven EVS disks and use scripts to automatically mount the EVS disks to the corresponding directories of the two FlexusX instances.
- Use Cloud Backup and Recovery (CBR) to periodically back up data of the FlexusX instances.
- (Optional) Use Scalable File Service(SFS) Turbo or Object Storage Service(OBS) to back up SAP HANA.

Advantages

- SAP-certified
Huawei Cloud has many SAP certifications for servers, virtualization, SAP HANA, SAP ASE, SAP NetWeaver Application Server, SAP Business One, and more.
- Flexible Scaling
Compute and storage resources are provisioned on demand and can be flexibly scaled so that you can have a well control over the costs on running the SAP system.
- Easy Deployment
Resources required for deploying the SAP Business One environment can be quickly provisioned, reducing the workload and time required for deploying a new environment.

Notes and Constraints

- Before deploying this solution, ensure that you have created a Huawei ID with access to the target region and enabled Huawei Cloud services.
- 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 use the OS [SUSE Linux for SAP 15 SP3](#) provided by Huawei Cloud KooGallery, you need to pay for the according image. This image is used by default. You can also upload a SUSE Linux for SAP OS to [create a private image](#), and enter the image ID for according parameters to complete cloud resource creation.
- Currently, the deployment template does not support the yearly/monthly subscription of SFS Turbo and NAT Gateway. After the deployment is complete, you can manually change the billing mode to yearly/monthly.

2 Resource and Cost Planning

This solution will deploy the resources listed in the following table. The costs are only estimates and may differ from the final prices. For details, see [Price Calculator](#).

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

Huawei Cloud Service	Example Configuration	Estimated Monthly Cost
Flexus X Instance (FlexusX)	<ul style="list-style-type: none">• Region: AP-Singapore• Billing Mode: Yearly/Monthly• CPU Architecture: x1.8u.32g 8v CPUs 32 GiB• Image: SUSE for SAP 15 SP3 5 to 300 vCPUs Singapore• System Disk: High I/O 40 GiB• Quantity: 1•	\$182.01 USD
Flexus X Instance (FlexusX)	<ul style="list-style-type: none">• Region: AP-Singapore• Billing Mode: Yearly/Monthly• CPU Architecture: x1.4u.8g 4 vCPUs 8 GiB• Image: SUSE for SAP 15 SP3 3 to 4 vCPUs Singapore• System Disk: High I/O 40 GiB• Quantity: 1	\$75.41 USD

Huawei Cloud Service	Example Configuration	Estimated Monthly Cost
Scalable File Service (SFS) Turbo	<ul style="list-style-type: none"> ● Region: AP-Singapore ● Billing Mode: Yearly/Monthly ● Type: SFS Turbo Standard ● Storage: 500 GiB ● Required Duration: 1 month 	\$40.00 USD
Elastic Volume Service (EVS)	<ul style="list-style-type: none"> ● Region: AP-Singapore ● Billing Mode: Yearly/Monthly ● Disk Capacity: Ultra-high I/O 500 GiB ● Required Duration: 1 month ● Quantity: 1 	\$102.00 USD
Cloud Backup and Recovery (CBR)	<ul style="list-style-type: none"> ● Pay-per-use: \$0.01 USD/hour ● Region: AP-Singapore ● Billing Mode: Pay-per-use ● Vault Type: Server backup vault 100 GiB ● Required Duration: 720 hours 	\$3.60 USD
Elastic IP (EIP)	<ul style="list-style-type: none"> ● 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
NAT Gateway (NAT)	<ul style="list-style-type: none"> ● Pay-per-use: \$2.44 USD ● Region: AP-Singapore ● Billing Mode: Pay-per-use ● Gateway: Public network ● Type: Small ● Required Duration: 30 days 	\$73.14 USD
Total		\$533.16 USD

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

Huawei Cloud Service	Example Configuration	Estimated Monthly Cost
Flexus X Instance (FlexusX)	<ul style="list-style-type: none"> • Pay-per-use: \$0.35 USD/hour • Region: AP-Singapore • Billing Mode: Pay-per-use • CPU Architecture: x1.8u.32g 8 vCPUs 32 GiB • Image: SUSE for SAP 15 SP3 5 to 300 vCPUs Singapore • System Disk: High I/O 40 GiB • Quantity: 1 	0.35 * 24 * 30 = \$248.54 USD
Flexus X Instance (FlexusX)	<ul style="list-style-type: none"> • Pay-per-use: \$0.14 USD/hour • Region: AP-Singapore • Billing Mode: Pay-per-use • CPU Architecture: x1.4u.8g 4 vCPUs 8 GiB • Image: SUSE for SAP 15 SP3 3 to 4 vCPUs Singapore • System Disk: High I/O 40 GiB • Quantity: 1 	0.14 * 24 * 30 = \$102.53 USD
Scalable File Service (SFS) Turbo	<ul style="list-style-type: none"> • Pay-per-use: \$0.06 USD/hour • Region: AP-Singapore • Billing Mode: Pay-per-use • Type: SFS Turbo Standard • Storage: 500 GiB • Required Duration: 720 hours 	\$46.08 USD
Elastic Volume Service (EVS)	<ul style="list-style-type: none"> • Pay-per-use: \$0.14 USD/hour • Region: AP-Singapore • Billing Mode: Pay-per-use • Disk Capacity: Ultra-high I/O 500 GiB • Required Duration: 720 hours 	\$100.80 USD
Cloud Backup and Recovery (CBR)	<ul style="list-style-type: none"> • Pay-per-use: \$0.01 USD/hour • Region: AP-Singapore • Billing Mode: Pay-per-use • Vault Type: Server backup vault 100 GiB • Required Duration: 720 hours 	\$3.60 USD

Huawei Cloud Service	Example Configuration	Estimated Monthly Cost
Elastic IP (EIP)	<ul style="list-style-type: none">• 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• Required Duration: 720 hours	\$90.00 USD
NAT Gateway (NAT)	<ul style="list-style-type: none">• Pay-per-use: \$2.44 USD/day• Region: AP-Singapore• Billing Mode: Pay-per-use• Gateway: Public network• Type: Small• Required Duration: 30 days	\$73.14 USD
Total		\$664.69 USD

3 Procedure

- [3.1 Preparations](#)
- [3.2 Quick Deployment](#)
- [3.3 Getting Started](#)
- [3.4 Quick Uninstallation](#)

3.1 Preparations

Creating the rf_admin_trust Agency

- Step 1** Log in to [Huawei Cloud management console](#), move your mouse over the account name, and choose **Identity and Access Management**.

Figure 3-1 Console page

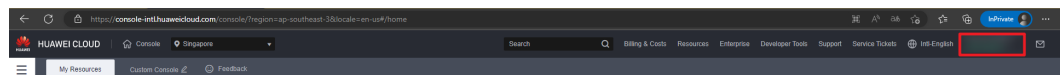
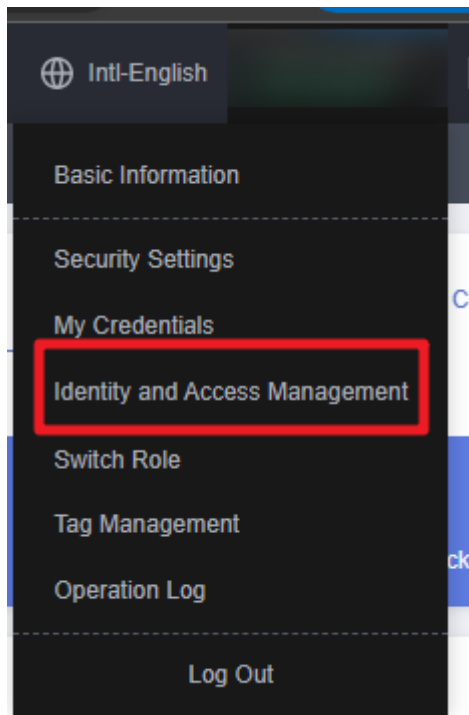
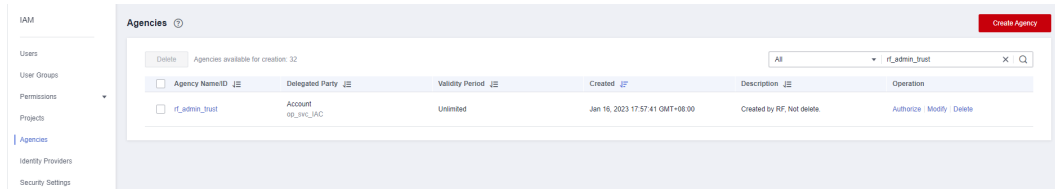


Figure 3-2 Identity and Access Management



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

Figure 3-3 Agency list



- 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**, enter **RFS** for **Cloud Service**, and click **Next**.

Figure 3-4 Creating an agency

Agencies / Create Agency

* Agency Name

* Agency Type Account
Delegate another HUAWEI CLOUD account to perform operations on your resources.
 Cloud service
Delegate a cloud service to access your resources in other cloud services.

* Cloud Service

* Validity Period

Description
0/255

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

Figure 3-5 Selecting a policy

Authorize Agency

1 Select Policy/Role 2 Select Scope 3 Finish

Assign selected permissions to rf_admin_trust1. Create Policy

Policy/Role Name	Type
<input type="checkbox"/> DME AdministratorAccess Data Model Engine tenant administrator with full permissions.	System-defined policy
<input checked="" type="checkbox"/> Tenant Administrator Tenant Administrator (Exclude IAM)	System-defined role
<input type="checkbox"/> CS Tenant Admin Cloud Stream Service Tenant Administrator, can manage multiple CS users	System-defined role

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

Figure 3-6 Selecting a scope

Authorize Agency

1 Select Policy/Role 2 Select Scope 3 Finish

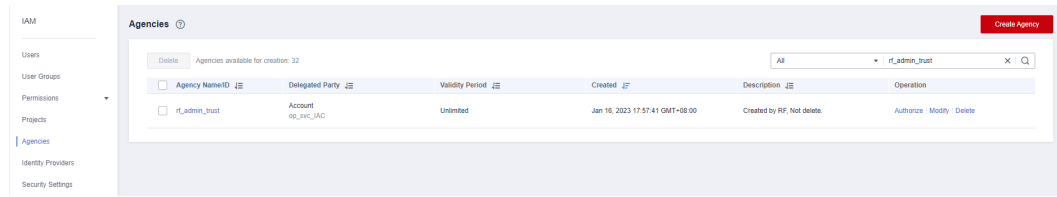
i The following are recommended scopes for the permissions you selected. Select the desired scope requiring minimum authorization.

Scope

All resources
IAM users will be able to use all resources, including those in enterprise projects, region-specific projects, and global services under your account based on assigned permissions.
[Show More](#)

Step 6 If **rf_admin_trust** is displayed in the agency list, the agency has been created.

Figure 3-7 Agency list



----End

3.2 Quick Deployment

This section describes how to quickly deploy this solution.

Table 3-1 Parameters description

Parameter	Type	Mandatory	Description	Default Value
availability_zone	string	Yes	AZ where the solution is deployed. Only AZs in AP-Singapore are supported. For details about how to obtain AZ information, see here .	ap-southeast-3c
enterprise_project_id	string	Yes	Enterprise project ID. Obtain the ID in Enterprise Project Management (EPS) . 0 indicates the default enterprise project.	0
vpc_name	string	Yes	VPC name. This template uses a newly created VPC and the VPC name must be unique. It can contain 1 to 64 characters and can include letters, digits, underscores (_), hyphens (-), and periods (.).	sap-b1-cloud-environment-demo
vpc_cidr	string	Yes	VPC CIDR block. Value range: 10.0.0.0/8-24, 172.16.0.0/12-24, 192.168.0.0/16-24.	172.16.0.0/16
ecs_server_name	string	Yes	Name of the cloud server where SAP Business One is to be deployed, which must be unique. It can contain 1 to 64 characters and can include letters, digits, underscores (_), hyphens (-), and periods (.).	sap-b1-cloud-environment-server-demo

Parameter	Type	Mandatory	Description	Default Value
server_image_id	string	Yes	Image ID of the cloud server where SAP Business One is to be deployed, which can be a shared image ID, private image ID, or public image ID. The marketplace image SUSE for SAP 15 SP3 5to300vCPU Singapore is used by default.	eafbd213-067a-409e-9c0f-07a3d6ac1488
ecs_server_flavor	string	Yes	Instance flavor of the ECS or FlexusX where the SAP Business One server is to be deployed. The flavor ID format of a FlexusX instance is x1.?u.?g. For example, the flavor ID of a FlexusX instance with 4 vCPUs and 8 GiB memory is x1.4u.8g. For details about ECS flavors, see A Summary List of x86 ECS Specifications . For details about the supported flavors , see the KooGallery image SUSE Linux for SAP 15 SP3. If the default image ID is used, you must select a specification with five or more vCPUs.	x1.8u.32g(8vCPUs 32GiB)
ecs_server_password	string	Yes	Initial password for logging in to the cloud server where the SAP Business One server is to be deployed. After an instance is created, change the password by referring to Step 2 . It can include 8 to 26 characters and must include at least three of the following character types: uppercase letters, lowercase letters, digits, and special characters (!@\$%^_-=+[{ }];,./?). The password cannot contain any username or the username spelled backwards. The administrator is root .	
subnet_server_cidr	string	Yes	Subnet CIDR block of the cloud server where SAP Business One is to be deployed. Value range: 10.0.0.0/8-24, 172.16.0.0/12-24, 192.168.0.0/16-24.	172.16.1.0/24

Parameter	Type	Mandatory	Description	Default Value
ecs_server_businessIP	string	Yes	Service IP address of the cloud server where SAP Business One is to be deployed. Value range: an IP address within subnet_server_cidr .	172.16.1.10
server_system_disk_type	string	Yes	Type of the system disk used by the cloud server where SAP Business One is to be deployed. Value options: ESSD (Extreme SSD), SSD (Ultra-high I/O), GPSSD (General Purpose SSD) or SAS (High I/O).	SAS
server_system_disk_size	number	Yes	Size of the system disk used by the cloud server where SAP Business One is to be deployed. The unit is GiB. The value ranges from 40 to 1024. The system disk size cannot be reduced.	40
evs_hana_sap_type	string	Yes	EVS disk type. Value options: SAS (high I/O), SSD (ultra-high I/O), GPSSD (general-purpose SSD), and ESSD (Extreme SSD). Mount path: /usr/sap.	SAS
evs_hana_sap_size	string	Yes	EVS disk size in GiB. The value ranges from 10 to 32768. Mount path: /usr/sap.	50
evs_hana_swap_type	string	Yes	Type of EVS disk used as the swap volume. Value options: SAS (high I/O), SSD (ultra-high I/O), GPSSD (general-purpose SSD), and ESSD (Extreme SSD).	SAS
evs_hana_swap_size	number	Yes	Size of EVS disk used as the swap volume. The unit is GiB, and the value ranges from 10 to 32768.	10
evs_hana_log_type	string	Yes	EVS disk type. Value options: SAS (high I/O), SSD (ultra-high I/O), GPSSD (general-purpose SSD), and ESSD (Extreme SSD). Mount path: /hana/log.	SSD
evs_hana_log_size	number	Yes	EVS disk size in GiB. The value ranges from 10 to 32768. Mount path: /hana/log.	100

Parameter	Type	Mandatory	Description	Default Value
evs_hana_shared_type	string	Yes	EVS disk type. Value options: SAS (high I/O), SSD (ultra-high I/O), GPSSD (general-purpose SSD), and ESSD (Extreme SSD). Mount path: /hana/shared.	SAS
evs_hana_shared_size	number	Yes	EVS disk size in GiB. The value ranges from 20 to 32768. Mount path: /hana/shared.	100
evs_hana_data_type	string	Yes	EVS disk type. Value options: SAS (high I/O), SSD (ultra-high I/O), GPSSD (general-purpose SSD), and ESSD (Extreme SSD). Mount path: /hana/data.	SSD
evs_hana_data_size	number	Yes	EVS disk size in GiB. The value ranges from 20 to 32768. Mount path: /hana/data.	200
ecs_client_name	string	Yes	Name of the cloud server where the SAP Business One Client is deployed, which must be unique. It can contain 1 to 64 characters and can include letters, digits, underscores (_), hyphens (-), and periods (.).	sap-b1-cloud-environment-client-demo
ecs_client_flavor	string	Yes	Instance flavor of the ECS or FlexusX where the SAP Business One client is deployed. The flavor ID format of a FlexusX instance is x1.?u.?g. For example, the flavor ID of a FlexusX instance with 4 vCPUs and 8 GiB memory is x1.4u.8g. For details about ECS flavors, see A Summary List of x86 ECS Specifications . For more information about flavors, see the flavors supported by KooGallery image SUSE Linux for SAP 15 SP3 (One to four vCPUs are supported by the default image).	x1.4u.8g 4 vCPUs 8 GiB

Parameter	Type	Mandatory	Description	Default Value
client_image_id	string	Yes	Image ID of the cloud server where the SAP Business One client is to be deployed, which can be a shared image ID, private image ID, or public image ID. Windows Server 2019 Standard 64-bit is used by default.	a8b7692c-db58-40f4-8ba8-d90d6d1057b6
ecs_client_password	string	Yes	Initial password for logging in to the cloud server where the SAP Business One client is to be deployed. After an instance is created, change the password by referring to Step 2 . It can include 8 to 26 characters and must include at least three of the following character types: uppercase letters, lowercase letters, digits, and special characters (!@\$%^_-=+[{ }];,./?). The password cannot contain any username or the username spelled backwards. The administrator account is Administrator .	
subnet_client_cidr	string	Yes	Subnet CIDR block of the cloud server where the SAP Business One server is to be deployed. Value range: 10.0.0.0/8-24, 172.16.0.0/12-24, 192.168.0.0/16-24.	172.16.2.0/24
ecs_client_businessIP	string	Yes	Service IP address of the cloud server where SAP Business One Client is to be deployed. Value range: an IP address within subnet_client_cidr .	172.16.2.20
client_system_disk_type	string	Yes	Type of the system disk used by the cloud server where SAP Business One Client is to be deployed. Value options: ESSD (Extreme SSD), SSD (Ultra-high I/O), GPSSD (General Purpose SSD) or SAS (High I/O)	SAS

Parameter	Type	Mandatory	Description	Default Value
client_system_disk_size	number	Yes	Size of the system disk used by the cloud server where SAP Business One Client is to be deployed. The unit is GiB. The value ranges from 40 to 1024. The system disk size cannot be reduced.	40
client_data_disk_type	string	Yes	Type of the data disk used by the cloud server where SAP Business One Client is to be deployed. Value options: ESSD (Extreme SSD), SSD (Ultra-high I/O), GPSSD (General Purpose SSD), or SAS (High I/O)	SAS
client_data_disk_size	number	Yes	Size of the data disk used by the cloud server where SAP Business One Client is to be deployed. The unit is GiB. The value ranges from 10 to 32768.	40
is_hss	bool	Yes	Whether to purchase a quota of enterprise-edition Host Security Service (HSS). The value can be true or false .	false
sfs_turbo_name	string	No	SFS Turbo file system name, which must be unique. If SFS Turbo is not used for HANA backup, leave this parameter blank. Value range: 4 to 64 characters, including lowercase letters, digits, hyphens (-), and periods (.).	
subnet_sfs_turbo_cidr	string	No	SFS Turbo subnet CIDR block. If SFS Turbo is not used for HANA backup, leave this parameter blank. Value ranges: 10.0.0.0/8-24, 172.16.0.0/12-24, 192.168.0.0/16-24.	172.16.4.0/24

Parameter	Type	Mandatory	Description	Default Value
obs_bucket_name	string	No	Name of the OBS parallel file system, which must be unique. If OBS is not used for HANA backup, leave this parameter blank. Value range: 3 to 63 characters, including lowercase letters, digits, hyphens (-), and periods (.).	
ak	string	No	Access key ID. The access key is provided for the obsfs tool to mount the parallel file system. If the parallel file system does not need to be mounted, leave this parameter blank. For details about how to obtain the access key ID, see here .	
sk	string	No	Secret access key used together with the access key ID. The secret access key is provided for the obsfs tool to mount the parallel file system. If the parallel file system does not need to be mounted, leave this parameter blank.	
eip_bandwidth_size	number	Yes	Bandwidth (Mbit/s) of the elastic IP address bound to the NAT Gateway. The value ranges from 1 to 2000.	5
charging_mode	string	Yes	Billing mode. By default, fees are automatically deducted. The value can be prePaid (yearly/monthly) or postPaid (pay-per-use).	prePaid
charging_unit	string	No	Subscription period unit. This parameter is valid only when charging_mode is set to prePaid . The value can be month or year .	month

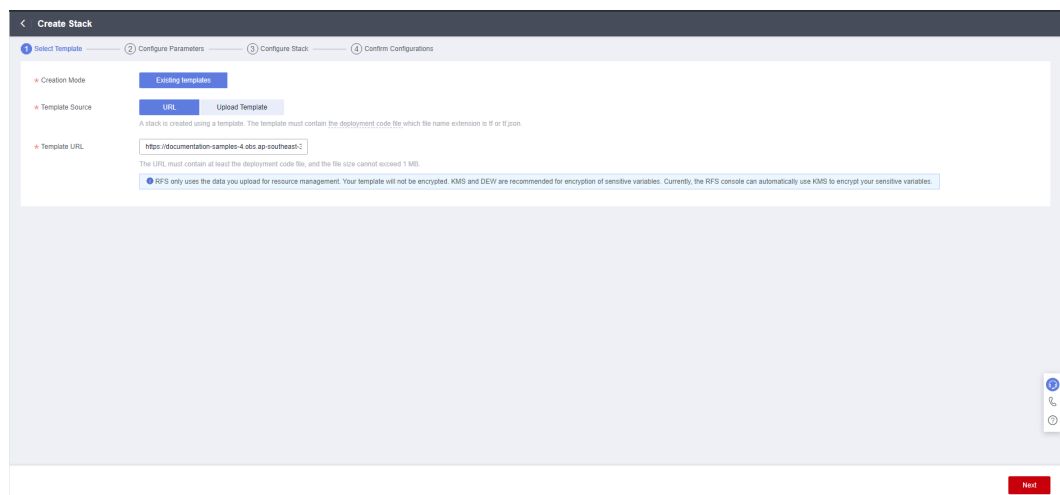
Parameter	Type	Mandatory	Description	Default Value
charging_period	number	No	Subscription period. This parameter is valid only when charging_mode is set to prePaid . If charging_unit is set to month , the value ranges from 1 to 9 . If charging_unit is set to year , the value ranges from 1 to 3 . The default subscription period is one month.	1

Step 1 Log in to Huawei Cloud Solution Best Practices and choose **Quick Deployment of Cloud Environment for SAP Business One**. Click **Deploy Now** to switch to the **Create Stack** page.

Figure 3-8 Solution

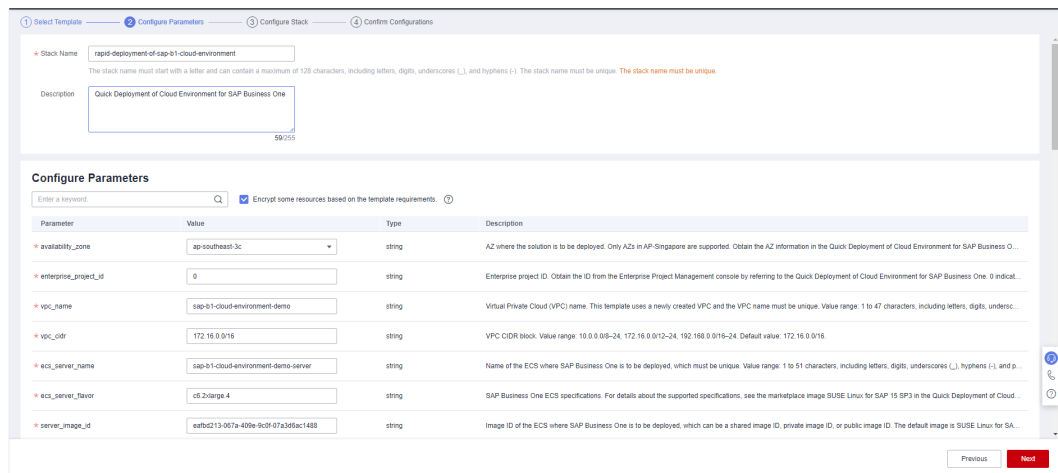
Step 2 On the **Select Template** page, click **Next**.

Figure 3-9 Selecting a template



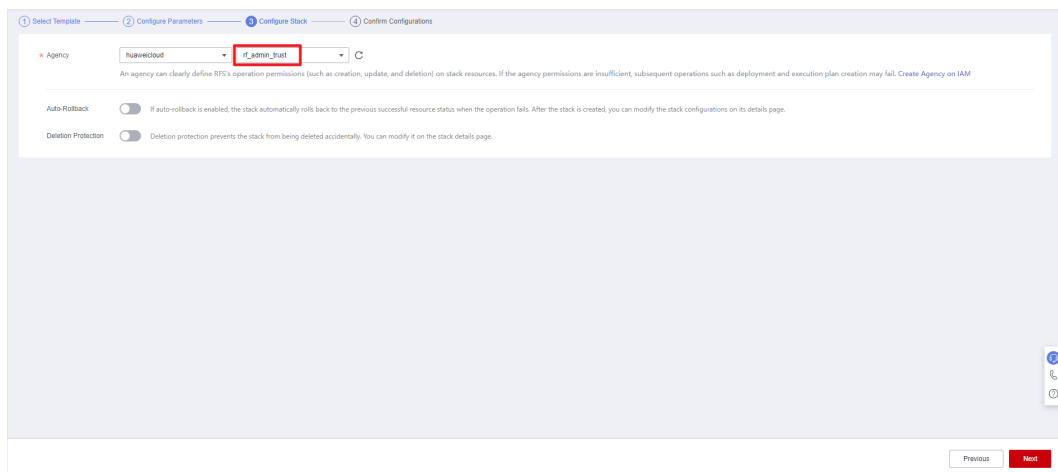
Step 3 On the **Configure Parameters** page, configure parameters by referring to **Table 3-1** and click **Next**.

Figure 3-10 Configuring parameters



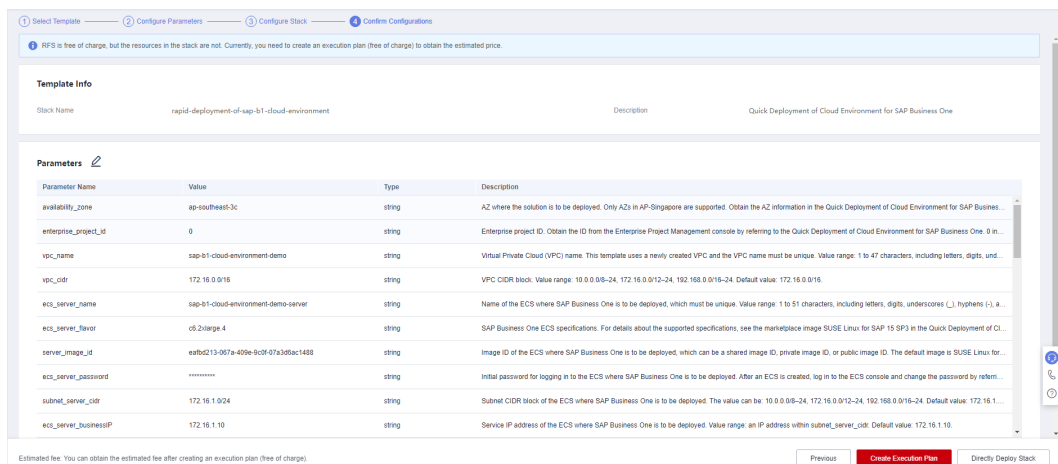
Step 4 On the **Configure Stack** page, select the **rf_admin_trust** agency and click **Next**.

Figure 3-11 Configuring a stack



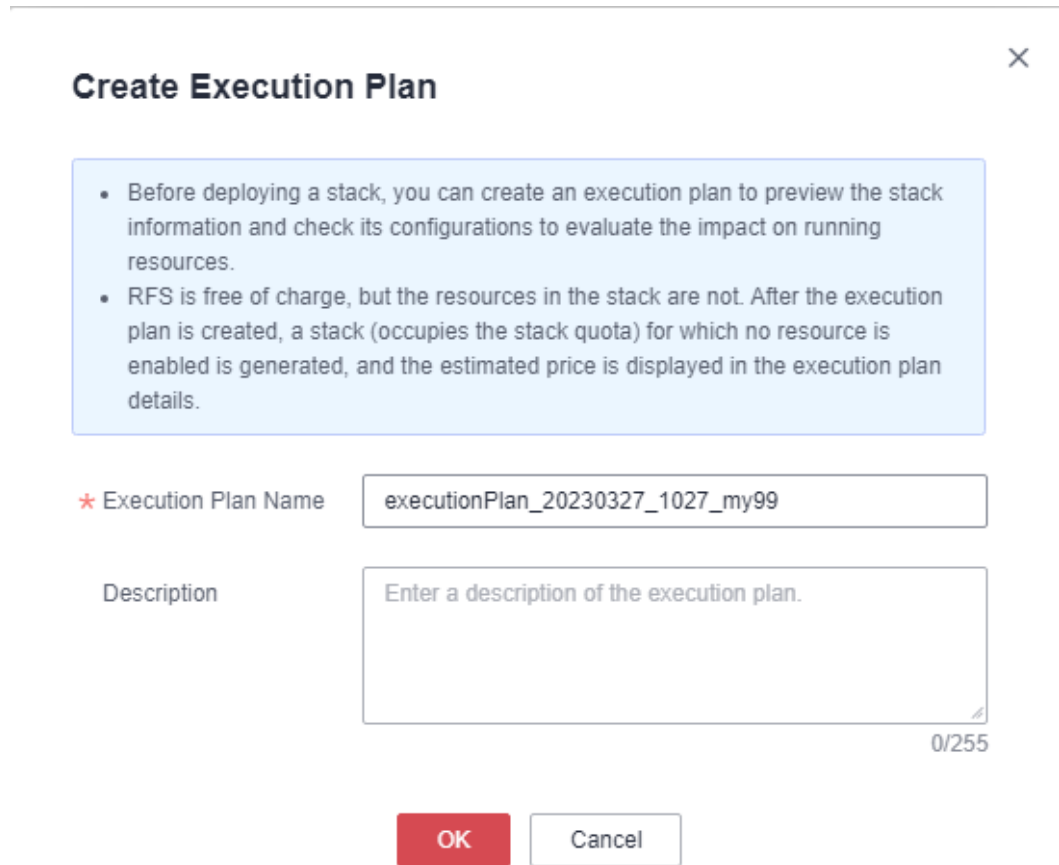
Step 5 On the **Confirm Configurations** page, click **Create Execution Plan**.

Figure 3-12 Confirming configurations



Step 6 In the displayed **Create Execution Plan** dialog box, specify the **Execution Plan Name** and click **OK**.

Figure 3-13 Creating an execution plan



Step 7 Click **Deploy** in the **Operation** column. In the displayed dialog box, click **Execute**.

Figure 3-14 Execution plan created

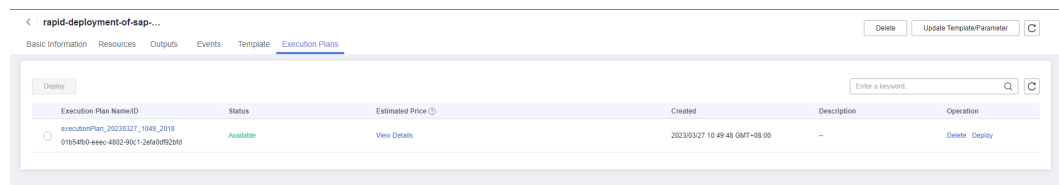
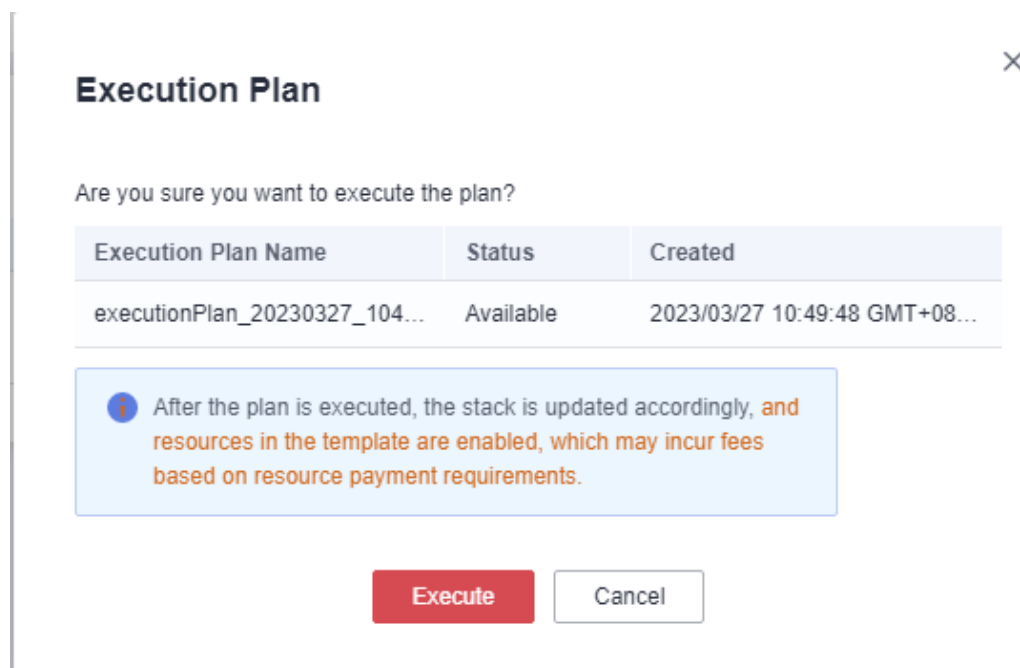
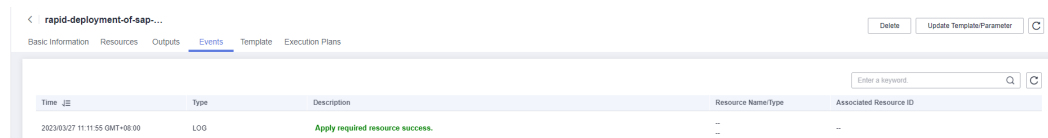


Figure 3-15 Confirming the execution plan



Step 8 Click the **Events** tab and check whether the solution has been deployed. If message "Apply required resource success" is displayed in the **Description** column, the solution has been deployed.

Figure 3-16 Solution deployed



----End

3.3 Getting Started

(Optional) Modifying Security Group Rules

NOTICE

This solution uses ports 22 and 3389 to remotely log in to the cloud server. By default, the VPC subnet created in this solution allows access from the ports 22 and 3389. Configure an IP address whitelist by referring to [Modifying a Security Group Rule](#).

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

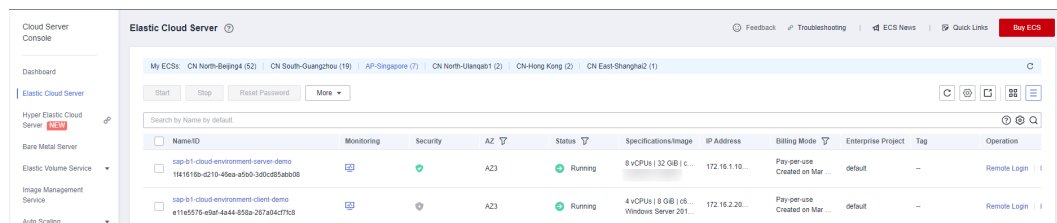
You can modify the security group policy, for example, by adding, modifying, or deleting a TCP port, as follows:

- 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 can be a serious security risk. You can **modify security group rules** to ensure the network security of your instances.
- 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**.

Software Installation

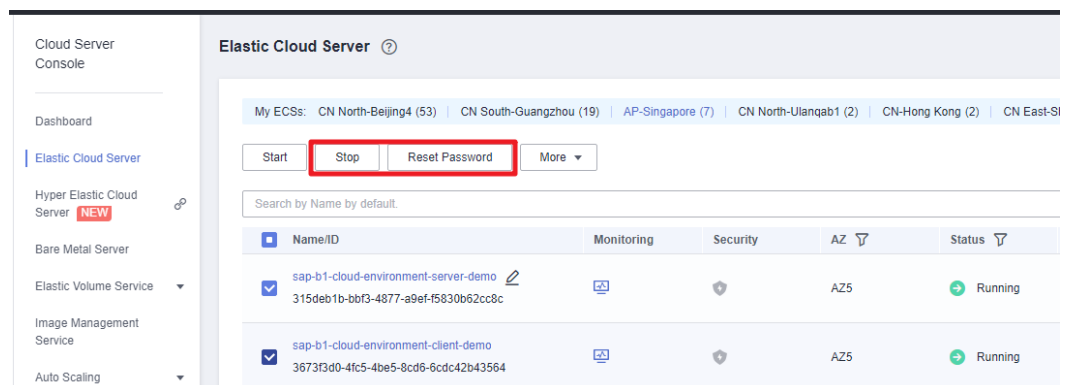
Step 1 On the **ECS** console, view the created instances.

Figure 3-17 Created instances



Step 2 (Optional) Change the password of the instance. Select an instance and click **Stop**. After the instance is stopped, click **Reset Password** to reset the password and click **OK**. The change will be applied after the instance is started.

Figure 3-18 Changing the password



Step 3 Log in to the instance where SAP Business One is to be deployed through SSH and use remote desktop to log in to the instance where SAP Business One Client is to be deployed. Add the source IP address to an **IP address group** suffixed with *ipGroup-tcp22*. For example, if the public IP address of a local computer is *22x.xx.xx.xx*, add the IP address to the address group. Then this compute can access the SAP Business One server through the port **22** and access the SAP Business One Client through the port **3389**. Use the corresponding tool on this computer to access port **6022** or **63389**, which is configured in the DNAT rule of the **Public NAT Gateways** to map port **22** or **3389**.

Figure 3-19 Adding an IP address to an IP address group

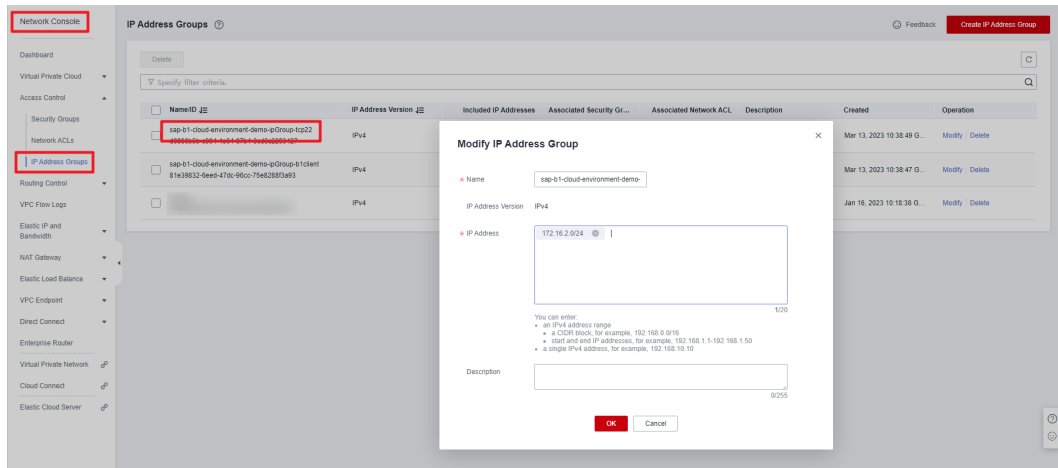


Figure 3-20 Port mapping in the DNAT rule

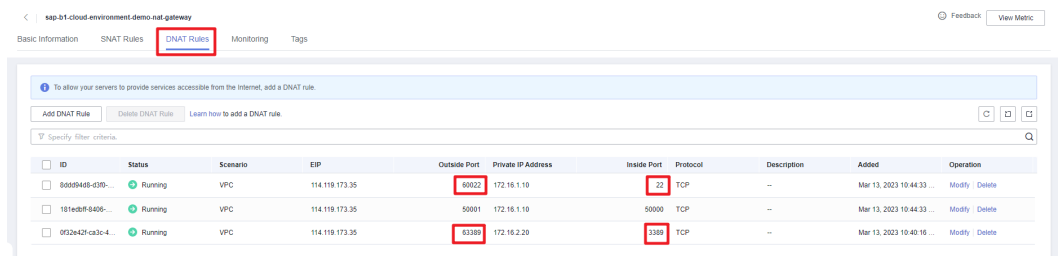


Figure 3-21 Connecting to the SAP Business One server using SSH

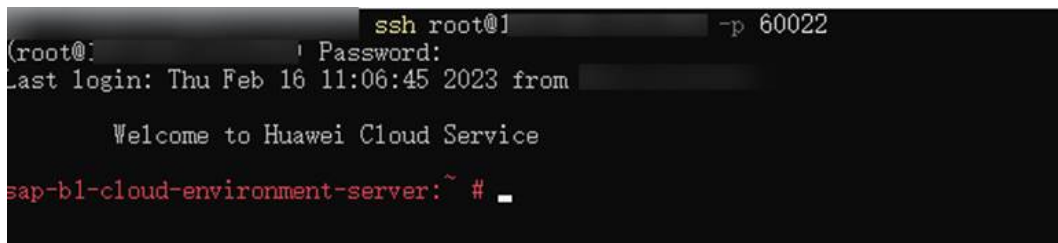
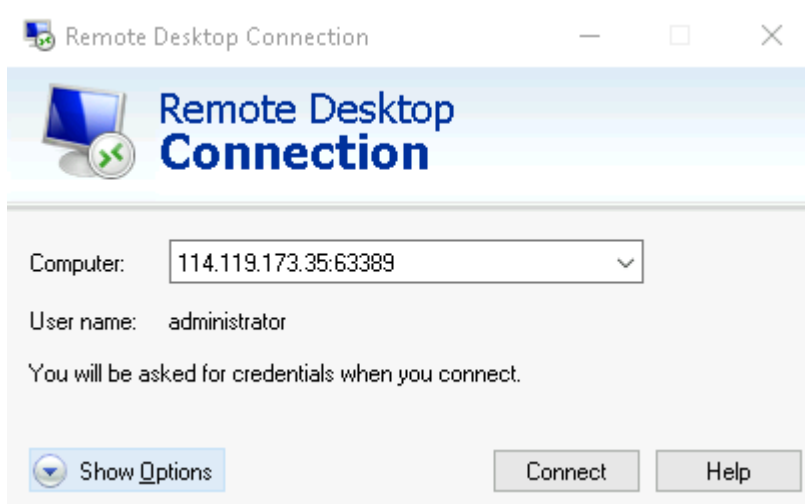


Figure 3-22 Connecting to SAP Business One Client through remote desktop



Step 4 Install the software by referring to [HUAWEI CLOUD SAP Business One on HANA Installation Best Practice](#).

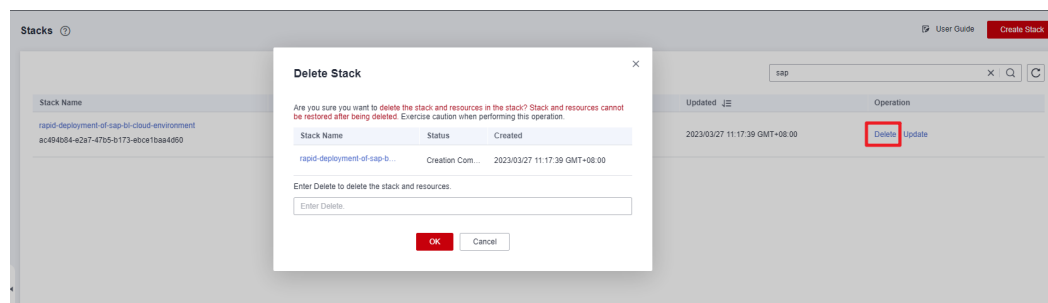
----End

3.4 Quick Uninstallation

Procedure

Log in to [Application Orchestration Service](#). On the **Stacks** page, locate the row containing the solution stack you created in [Step 3](#), and click **Delete** in the **Operation** column. In the displayed **Delete Stack** dialog box, enter **Delete** in the text box and click **OK**.

Figure 3-23 Uninstallation



4 Appendix

Terms

- **Elastic Cloud Server (ECS):** ECS provides secure, scalable, on-demand compute resources, enabling you to flexibly deploy applications and workloads.
- **Flexus X Instance (FlexusX):** FlexusX is a next-generation flexible cloud server service designed for small- and medium-sized enterprises (SMEs) and developers. FlexusX provides functions similar to what ECS provides. In addition, with FlexusX, you can flexibly configure vCPU to memory ratios to match your specific needs and change server specifications without service interruptions. For details, see [Flexus X Instance \(FlexusX\)](#).
- **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 a FlexusX instance, ECS, BMS, virtual IP address, NAT gateway, or load balancer, enabling immediate Internet access.
- **Virtual Private Cloud (VPC):** VPC allows you to isolate online resources with virtual private networks. VPC enables your cloud resources to securely communicate with each other, the internet, and on-premises networks.
- **Security Group:** A security group is a collection of access control rules for ECSs that have the same security protection requirements and are mutually trusted within a VPC. After a security group is created, you can create different access rules for the security group, these rules will apply to any ECS that the security group contains.
- **SAP Business One:** SAP Business One, a business management software, enables you to efficiently manage your businesses, minimize operating expense (OPEX), conduct comprehensive enterprise analysis, and simplify accounting, customer relationship management, supplier chain management, and procurement.

5 Change History

Released On	Description
2023-04-30	This issue is the first official release.
2024-07-22	Supported Flexus X Instance.