#### Huawei Cloud Flexus RDS

## **Getting Started**

 Issue
 01

 Date
 2024-12-30





#### Copyright © Huawei Cloud Computing Technologies Co., Ltd. 2025. 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 Cloud Computing Technologies Co., Ltd.

#### **Trademarks and Permissions**

NUAWEI and other Huawei trademarks are the property 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 Cloud 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.

### **Contents**

1 Buying and Connecting to a FlexusRDS for MySQL Instance	1
2 Buying and Connecting to a FlexusRDS for PostgreSQL Instance	9

# Buying and Connecting to a FlexusRDS for MySQL Instance

This section describes how to purchase a FlexusRDS for MySQL instance and how to connect to it using Data Admin Service (DAS).

- Step 1: Create a FlexusRDS for MySQL Instance
- Step 2: Connect to the FlexusRDS for MySQL Instance

#### Preparations

- 1. Sign up for a HUAWEI ID and enable Huawei Cloud services.
- 2. Before purchasing DB instances, ensure that your account balance is sufficient. **Top up your account** if required.
- 3. For fine-grained permissions management, create an Identity and Access Management (IAM) user and user group on the IAM console and grant the user specific operation permissions. For details, see **Creating a User and Granting Permissions**.

#### Step 1: Create a FlexusRDS for MySQL Instance

- 1. Go to the FlexusRDS console.
- 2. If this is your first time to create a FlexusRDS for MySQL instance, click Buy.
- 3. Configure the instance information and click **Buy**.

<b>J</b>	. J			
Region				
CN-Hong Kong AP-Bangk	ok AP-Singapore ME-Riyadh	TR-Istanbul LA-Sao Pa	ulo1	
Database Plan				
DB Engine				
MySQL PostgreS0	DL			
MySQL 8.0 V				
Instance Class				
			<b>•</b>	•
Standard 2U4G	Standard 2U8G	Standard 4U8G	High-availability 2U4G	High-availability 2U8G
For micro/small enterprise an	For micro/small enterprise an	For micro/small enterprise an	For micro/small enterprise w	For micro/small enterprise w
DB Instance Type	DB Instance Type	DB Instance Type	DB Instance Type	DB Instance Type
Single	Single	Single	Primary/Standby	Primary/Standby
Storage	Storage	Storage	Storage	Storage
120 GB	240 GB	240 GB	120 GB	240 GB
\$50.00 USD	\$75.00 USD	\$105.00 USD	\$100.00 USD	\$140.00 USD

Figure 1-1 Selecting an instance class

#### Figure 1-2 Selecting the required duration

Network										
vpc-default-smb	~ Q	subnet-default-smb(192	168.0.0/20) 🗸	a						
DB Instance Name										
flexusrds-71b8	0									
If you buy multiple DB instances at a time, they 0002*, and so on.	y will be named	with four digits appended	In the format "DB instand	ce name-SN". For ex	ample, if the DB instan	ce name is "instance",	the first instance will b	be named "instance-00	01", the second "	instance-
Required Duration and Quantity										
Required Duration										
1 month 2 months	3 months	4 months	5 months	6 months	7 months	8 months	9 months	1 year	2 years	
3 years										
Auto-renew Fee deduction and Renewal	duration									
Quantity										
rice:										Buy

You will be charged based on the bill.

Parameter	Example Value	Description
Region	CN-Hong Kong	The region where your resources are located.
		<b>NOTE</b> Products in different regions cannot communicate with each other through a private network. After a DB instance is created, the region cannot be changed. Therefore, exercise caution when selecting a region.
DB Engine	MySQL 8.0	The DB engine version.
Instance Class	Standard 2U4G	The vCPU and memory of an instance.

Parameter	Example Value	Description
DB Instance Type	Single	<ul> <li>The architecture type of an instance.</li> <li>Single: A single-node architecture. It is less expensive than a primary/standby DB pair.</li> <li>Primary/Standby: An HA architecture. In a primary/standby pair, each instance has the same instance class. When a primary instance is being created, a standby instance is provisioned along with it to provide data redundancy. The standby instance is invisible to you after being created.</li> </ul>
Storage	120 GB	The storage space of an instance. It contains the system overhead required for inodes, reserved blocks, and database operation.
Network	vpc-default- smb subnet- default-smb	A Virtual Private Cloud (VPC) is a virtual network in which your instance is located. A VPC can isolate networks for different workloads. A subnet provides dedicated network resources that are logically isolated from other networks for security purposes. For details about how to create a VPC and subnet, see <b>Creating a VPC and Subnet</b> .
DB Instance Name	flexusrds-12 34	The instance name must start with a letter and consist of 4 to 64 characters. Only letters (case-sensitive), digits, hyphens (-), underscores (_), and periods (.) are allowed. If you buy multiple DB instances at a time, they will be named <i>instance-0001</i> , <i>instance-0002</i> , and so on. ( <i>instance</i> indicates the DB instance name you specify.)
Required Duration	1 year	The system will automatically calculate the configuration fee based on the selected required duration. The longer the required duration is, the larger discount you will enjoy.
Auto-renew	Disabled	<ul> <li>This option is not selected by default.</li> <li>If you select this option, the auto-renew cycle is determined by the selected required duration.</li> </ul>

Parameter	Example Value	Description
Quantity	1	The number of instances to be purchased in a batch.

4. Confirm the order and click **Pay Now**.

#### Figure 1-3 Order confirmation

<	Buy FlexusRDS Instance					Product Details 🕑
	Resource	Configuration		Required D	Quantity	Price
	FierusR09	Region DB Instance Name DB Engine DB Engine Version DB Instance Type Instance Specifications Storage	CN-Hong Kong Resust9-7180 80 80 80 80 80 80 80 80 80 80 80 80 8	1 year	1	
	Agreement 🥑 I have read and agree to the terms a	and conditions of the Service Level	Agreement (SLA).			
Pric	e: (7	)			Previous	Pay Now

- 5. Select a payment method and complete the payment.
- 6. View the purchased instance.
  - Administrator account: root
  - Password of the administrator account: The password is randomly set by the system. You need to reset the password when using the account.

#### Figure 1-4 Instance successfully purchased

Renew Unsubscribe Reboot											
Q. Select one or more filters from the pop-up list	is. If you enter a keyword without	a filter applied, the syste	em will search for all i	nstance names matcl	hing this keyword.					۲	00
Name/ID 🕀	Status 🕀	DB Instanc 😔	Storage (GB) 😔	DB Engine 😔	Billing Mode	Floating IP 😣	Created 😔	Database 🗧	Tags ⊖	Operation	
flexuards-71b8 dcad90a5d32b4998a0f7f34dddafb954in0	1 • Available	Single 2 vCPUs   4 GB	120	MySQL 8.0.28	Yearly/Monthly Created on Jun	192.168.10	Jun 12, 2024 1	330	3	Log In Reset Password	

#### Step 2: Connect to the FlexusRDS for MySQL Instance

1. In the instance list, locate the instance and click **Reset Password** in the **Operation** column.

#### Figure 1-5 Instance list

Renew Unsubscribe Reboot											
Q Select one or more filters from the pop-up lists. If you	enter a keyword without	a filter applied, the syste	ern will search for all i	nstance names matc	hing this keyword.						00
Name/ID 🖯	Status 🖯	DB Instanc \varTheta	Storage (GB) 🖯	DB Engine \varTheta	Billing Mode	Floating IP 🖯	Created $\Theta$	Database 🗧	Tags ⊖	Operation	
flexusrds-71b8 dcad90a5d32b4998a0f7f34dddafb954in01	O Available	Single 2 vCPUs   4 GB	120	MySQL 8.0.28	Yearly/Monthly Created on Jun	192.168.10	Jun 12, 2024 1	330	-	Log In Reset Passw	vord

2. Enter a new password, confirm the password, and click **OK**.

#### Figure 1-6 Resetting a password

Reset Password		
DB instance ID	dcad90a5d32b4998a0f7f34dddafb954in0	1
DB Instance Name	flexusrds-71b8	
New Password	•••••	0
Confirm Password	•••••	Ś
<ol> <li>After the password i</li> </ol>	s reset, use the new password to access the I	DB instance.
	Canc	el OK

3. In the instance list, locate the instance and click **Log In** in the **Operation** column.

#### Figure 1-7 Instance list

Renew Unsubscribe Reboot											
Q. Select one or more filters from the pop-up lists. If you en	nter a keyword without	a filter applied, the syste	em will search for all in	nstance names match	ing this keyword.					) (Q) (®	9
□ Name/ID ↔	Status 🖯	DB Instanc 🖯	Storage (GB) \ominus	DB Engine \varTheta	Billing Mode	Floating IP \varTheta	Created \varTheta	Database \varTheta	Tags ⊖	Operation	
Dexusrds-71b8 dcad90a5d32b4998a017134dddafb954in01	O Available	Single 2 vCPUs   4 GB	120	MySQL 8.0.28	Yearly/Monthly 365 days until	192.168.10	Jun 12, 2024 1	3306	-	Log In Reset Password	

4. Enter username **root** and its password, and click **Log In**.

#### Figure 1-8 Instance login

Instance Login Information	
DB Instance Name flexusrds-71b8	DB Engine Version MySQL 8.0
★ Login Username	root
* Password	Connection is successful.
	Remember Password Your password will be encrypted and stored securely.
Description	
Show Executed SQL Statements $oldsymbol{O}$	If not enabled, the executed SQL statements cannot be viewed, and you need to input each SQL statement manually.

#### 5. Click Create Database.

#### Figure 1-9 Creating a database

Database List		
+ Create Database	User database V Enter a database name. Q	n)
Database Name	Table Size  the Index Size  the Character Set Operation	
	Create Database ×	
	* Name O smb-db	
	Only user databases can be created	
	Character Set Ut8mb4 V	
	Colution utfitmb4_general_ci V	
	(X) Caroli	

6. Complete the database creation.

#### Figure 1-10 Database information

Database List					
+ Create Database					User database $\lor$ Enter a database name. Q. C Refresh
Database Name	Table Quantity 🗘	Table Size 🔅	Index Size 👙	Character Set	Operation
smb-db				utfümb4	Manage   Query SQL Statements   Create Table   Data Dictionary   More~
15 / page      Total Records: 1 < 1 >					

7. Click the database name. On the displayed page, you can create tables, views, stored procedures, events, triggers, and functions.

#### Figure 1-11 Database management

Home Database	Managementi sanib-db X	
Current Database:S	mb-db Change   192.198.228.336   Chanadar Set utfilmb4 Collation: utfilmb4_0000_a_id SSL Window (Data Dictionary	Auto Metadata Collection 🕲 🌔
Objects Metadata Co	ledon	
0 Data records display	d on this page are reflected in real time (up to 10,000 records can be displayed), which consumes your database performance somewhat. Collect Now	Х
Tables	+ Create Table	Q C Refresh
Views	Statistics are read from information, schema tables and are not updated in real-time. To obtain real-time data, you can update the table by executing the AVALYZE TABLE statement. This may affect table performance, so you are not advised to perform this operation.	Х
Stored Procedures	Table Name $\ddagger$ Created $\ddagger$ Rows[Estimated] $\odot$ $\ddagger$ Index Size[Estimated] $\odot$ $\ddagger$ Character Set       Operation	
Trippers	~~~>	
Functions		
	No data analitabe	

#### 8. Click Create Table.

#### Figure 1-12 Creating a table

Home Database Management	t-smb-db ×				
Current Database:Smb-db Ch	ange   192.168.2.238:3306	Character Set: utf8mb4	Collation: utf8mb4_0900_ai_ci	SQL Window	Data Dictionary
Objects Metadata Collection Cr	eate Table X				
Basic Information		2 Column			3 Generated Column(Optional) —
* Table Name	tb01				
Storage Engine	InnoDB	~			
Character Set	utf8mb4	~			
Collation	utf8mb4_general_ci	$\vee$			
Comment					
Advanced Settings V					
					Next

9. Insert table data and click **Create**.

Figure 1-13 Inserting data into the table

Home	Database Management-smb	-db ×							
Curre	nt Database Smb+db Change	192.168.2.238.3306	Character Set: utf8mb4 Collatio	n: utf8mb4_0900_ai_ci	SQL Window	Data Dictionary			Auto Metadata Collection 🕲 🌑
Objects	Metadata Collection Create Ta	ible ×							
1 Basic Ir	formation		- 🧿 Column		(	3 Generated Column(Optional)		(4) Indexes(Optional)	5 Foreign Keys(Optional)
Add	Insert Delete Move Up	Move Down							
No.	Column Name	Type	Length	Nullable	Primary Key	Comment	Extended Inform	nation	
1	name	int	✓ 11				Default		
							Auto Increment		
2	db	int	<ul> <li>11</li> </ul>				Digital Options	Unsigned ZEROFILL	
					Pre	vious Next Create			

10. View the new table.

#### Figure 1-14 Table information

Objects	Metadata Coll	lection											
😑 Data	records displaye	ed on this p	age are refreshed in real tir	me (up to	10,000 records can	be display	ed), which consumes your data	base performance somewhat. Collect	Now				×
Tables		+ Cr	sate Table									Enter a table name.	Q, C Refresh
Views		Statistics are read from information, judema labeles and are not updated in read-time data, you can update the labele by executing the ANALYZE TABLE tablement. This may affect table performance, is you are not advised to perform this operation. X											
Stored	Procedures		Table Name	¢	Created	\$	Rows(Estimated) ③ 🗘	Table Size(Estimated) 🗇 🗘	Index Size(Estimated) ③ 🔅	Character Set	Operation		
Events		+	tb01		2024-04-28 21	26:15	0(Estimated)	16KB(Estimated)	0B(Estimated)	utf8mb4	Query SQL Statements   Open   Vi	iew   Alter   Rename   More~	
Functio	s ins	10 / pa	pe 🗸 Total Records: 1	< 1									

# **2** Buying and Connecting to a FlexusRDS for PostgreSQL Instance

This section describes how to purchase a FlexusRDS for PostgreSQL instance and how to connect to it using Data Admin Service (DAS).

- Step 1: Create a FlexusRDS for PostgreSQL Instance
- Step 2: Connect to the FlexusRDS for PostgreSQL Instance

#### Preparations

- 1. Sign up for a HUAWEI ID and enable Huawei Cloud services.
- 2. Before purchasing DB instances, ensure that your account balance is sufficient. **Top up your account** if required.
- 3. For fine-grained permissions management, create an Identity and Access Management (IAM) user and user group on the IAM console and grant the user specific operation permissions. For details, see **Creating a User and Granting Permissions**.

#### Step 1: Create a FlexusRDS for PostgreSQL Instance

- 1. Go to the **FlexusRDS console**.
- 2. If this is your first time to create a FlexusRDS for PostgreSQL instance, click **Buy**.
- 3. Configure the instance information and click **Buy**.

TR-Istanbul LA-Sao Paulo1 AP-Singapore ME-Rh Database Plan DB Engine MySQL D PostgreSQL 16 nce Class \$ **†** Standard 2U4G Standard 2U8G Standard 4U8G High-availability 2U4G High-availability 2U8G For micro/small enterp For micro/small en For micro/small e For micro/small er For micro/small e DB Instance Type DB Instance Type DB Instance Type DB Instance Type DB In tance Type Single Single Single Primary/Standby Primary/Standby 120 GB 240 GB 240 GB 120 GB 240 GB BR. 89 (180) ---P100.00 (000) press on case -ETL # 180. 7

Figure 2-1 Selecting an instance class



Network vpc-detault-smb v Q subnet-detault-smb(192:168.0.020) v Q	
DB Instance Name  fexuards-7168  you by multiple DB Instances at a time, they will be named with four digits appended in the format "DB instance name-SN". For example, if the DB instance name is "instance", the first instance will be named "instance-0001", the second "instance of "instance of the DB instance name is "instance", the first instance will be named "instance-0001", the second "instance of the DB instance of the DB i	
Required Duration and Quantify	
Required Duration	
1 month         2 months         3 months         4 months         5 months         6 months         7 months         8 months         9 months         1 year         2 years	
a years	
Auto-renew Fee deduction and Renewal duration	
Ouanity - t + ⊙	

Parameter	Example Value	Description
Region	CN-Hong Kong	The region where your resources are located.
		<b>NOTE</b> Products in different regions cannot communicate with each other through a private network. After a DB instance is created, the region cannot be changed. Therefore, exercise caution when selecting a region.
DB Engine	PostgreSQL 16	The DB engine version.
Instance Class	Standard 2U4G	The vCPU and memory of an instance.

Parameter	Example Value	Description
DB Instance Type	Single	The architecture type of an instance. • <b>Single</b> : A single-node architecture. It is
		less expensive than a primary/standby DB pair.
		• <b>Primary/Standby</b> : An HA architecture. In a primary/standby pair, each instance has the same instance class. When a primary instance is being created, a standby instance is provisioned along with it to provide data redundancy. The standby instance is invisible to you after being created.
Storage	120 GB	The storage space of an instance.
Network	vpc-default- smb subnet- default-smb	A Virtual Private Cloud (VPC) is a virtual network in which your instance is located. A VPC can isolate networks for different workloads.
		A subnet provides dedicated network resources that are logically isolated from other networks for security purposes.
		For details about how to create a VPC and subnet, see <b>Creating a VPC and Subnet</b> .
DB Instance Name	flexusrds-12 34	The instance name must start with a letter and consist of 4 to 64 characters. Only letters (case-sensitive), digits, hyphens (-), underscores (_), and periods (.) are allowed.
		they will be named <i>instance-0001</i> , <i>instance-0002</i> , and so on. ( <i>instance</i> indicates the DB instance name you specify.)
Required Duration	1 year	The system will automatically calculate the configuration fee based on the selected required duration. The longer the required duration is, the larger discount you will enjoy.
Auto-renew	Disabled	• This option is not selected by default.
		• If you select this option, the auto-renew cycle is determined by the selected required duration.
Quantity	1	The number of instances to be purchased in a batch.

4. Confirm the order and click **Pay Now**.

#### Figure 2-3 Order confirmation

< 🙆	Buy FlexusRDS Instar	nce				Product Details [
Resour	ce	Configuration		Requ	Quantity	Price
FlexusR	XDS	Region DB Instance Name DB Engine DB Engine Version DB Instance Type Instance Specifications Storage	CN-Hong Kong flexusrds-1711 PestgreSGL 16 Single 2U4G 120 GB	1 year	1	
Agreement	t 🕑 I have read and agree	to the terms and conditions of the	Service Level Agreement (SLA).			
Price: You will be char	roed based on the bill.				Previous	Pay Now

- 5. Select a payment method and complete the payment.
- 6. View the purchased instance.
  - Administrator account: root
  - Password of the administrator account: The password is randomly set by the system. You need to reset the password when using the account.

#### Figure 2-4 Instance successfully purchased

Renew Unsubscribe Reboot									
Q Select a property or enter a keyword.									00
□ Name/ID ⇔	Status 🕀	DB In \ominus Stora	Ə	DB Engine Ver 🔶	Billin 🕀	Privat \ominus	Creater	Operation	
Rexusrds-53e5     68481a20f1234aedb6b34d7b60732613in03	O Available	Single 2 vCPUs	120	PostgreSQL 16.6	Yearly/Mo 31 days u	6848	Jan 08,	Log In Reset Password	

#### Step 2: Connect to the FlexusRDS for PostgreSQL Instance

1. In the instance list, locate the instance and click **Reset Password** in the **Operation** column.

Figure 2-5 Instance list

<ul> <li>Instantis a propundit</li> <li>Instantis propundit</li></ul>										
Name#O         Istatute         O         DB In         O         Statute         DB In         O         DB In         D         DB In         D         DB In         D         DB In         O         DB In         O         D         Difference         D <thd< th="">         D         D         <t< td=""><td>C. Balant a property or enter a heyword.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>(C) (C)</td></t<></thd<>	C. Balant a property or enter a heyword.									(C) (C)
Decomposition         Decompos	Name/ID ©	Status O	00 in ©	Stora O	00 En 0	Dillio O	Privat O	Created ©	Operation	
	Resuerds-53e5 08481a2011234aedb6b34d7b60792613in03	<ul> <li>Available</li> </ul>	Single 2 vCPUs (	120	Postgreß	Vearly/Mo 31 days s	anan	Jan 08, 2	Log in Password	

2. Enter a new password, confirm the password, and click **OK**.

#### Figure 2-6 Resetting a password

DB instance ID 68481	la20f1234aedb6b34d7b60732613in03
DB Instance Name flexus	rds-53e5
New Password	
Confirm Password	····

3. In the instance list, locate the instance and click **Log In** in the **Operation** column.

#### Figure 2-7 Instance list

Renew Unsubscribe Reboot									
Q Select a property or enter a keyword.									<ul><li>Q</li><li>Q</li></ul>
Name/ID 🔶	Status 🕀	DB In 🔤	Stora \ominus	DB Engine Ver 🕀	Billin 🔤	Privat 🔤	Create	Operation	
Bexuards-53e5 68481a20f1234aedb6b34d7b60732613in03	O Available	Single 2 vCPUs	120	PostgreSQL 16.6	Yearly/Mo 31 days u	6848	Jan 08,	Log In Reset Password	

4. Enter username **root** and its password, and click **Log In**.

#### Figure 2-8 Instance login

Instance Login Information	1	X
DB Instance Name flexusrds-53e5	DB Engine Version PostgreSQL 16	
★ Login Username	root	
★ Database Name	postgres	
* Password	Test Connection       © Connection is successful.	
Description	Remember Password Your password will be encrypted and stored securely.	
Show Executed SQL Statements ⑦	If not enabled, the executed SQL statements cannot be viewed, and you need to input each SQL statement manually.	
	Cancel Log In	

~ /

5. Choose SQL Operations > SQL Query.

Figure 2-9 SQL Query



Create a database named test1.
 CREATE DATABASE test1;

#### Figure 2-10 Creating a database

Current I	Database: <b>postgre</b> :	3 ①   ■ Master Switch SQL Execution Node   Instance Name: rds-eff5   192,168.0.5:5432   Character
Database:	postgres	Execute SQL (F8)     E Format SQL (F9)     E Execute SQL Plan (F6)     SQL Favorites
Schema:	public	<pre>     CREATE DATABASE test1; </pre>
Tables	Views	
Please sea	arch by k   Q	C
	No data.	
		Executed SQL Statements Messages
		Execute
		[Split SQL] Number of SQL(s) to be executed: 1
		[Executed SQL: (1)]
		CREATE DATABASE test1; executed successfully. Time required: [99ms.]

7. Switch to **test1** and create a schema named **schema1** in the database.



Figure 2-11 Switching to the database

#### **CREATE SCHEMA schema1;**

#### Figure 2-12 Creating a schema

Database:	test1	$\vee$	Execute SQL (F8) Format SQL (F9)     Execute SQL Plan (F6)     SQL Favorites
Schema:	public	$\sim$	1 CREATE SCHEMA schemal;
Tables	Views		
Please sea	arch by k   Q	C	
	No data.		
			Executed SQL Statements Messages
			Execute
			[Split SQL] Number of SQL(s) to be executed: 1
			[Executed SQL: (1)] CREATE SCHEMA schemal:
			executed successfully. Time required: [15ms.]

Switch to **schema1** and create a table named **mytable** with only one column. 8. Specify the column name as **firstcol** and the column type as **integer**. CREATE TABLE schema1.mytable (firstcol int);

#### Figure 2-13 Creating a table

Database: test1	V	Execute SQL (F8) Format SQL (F9)     SQL Favorites
Schema: schema1	~	1 CREATE TABLE schemal.mytable (firstcol int);
Tables Views		
Please search by k	Q C	
No data.		
		Executed SQL Statements Messages
		Execute
		[Split SQL] Number of SQL(s) to be executed: 1
		<pre>[Executed SQL: (1)] CREATE TABLE schema1.mytable (firstcol int); executed successfully. Time required: [5ms.]</pre>

Insert data to the table.
 INSERT INTO schema1.mytable values (100);

Figure 2-14 Inserting data

Database:	test1 V	● Execute SQL (F8) ■ Format SQL (F9)
Schema:	schema1 V	1 INSERT INTO schemal.mytable values (100);
Tables	Views	
Please sea	arch by k   Q	
	No data.	Executed SQL Statements Messages
		Execute
		[Split SQL] Number of SQL(s) to be executed: 1
		[Executed SQL: (1)]
		INSERT INTO schemal.mytable values (100); executed successfully. Time required: [45ms.]

Query data in the table. SELECT \* FROM "schema1"."mytable"

#### Figure 2-15 Querying data

Database:	test1 V	● Execute SQL (F8) ■ Format SQL (F9)  ⓑ Execute SQL Plan (F6)	SQL Favorites V	
Schema:	schema1 $\lor$	1 SELECT * FROM "schema1"."mytable"		
Tables	Views			
Please sea	arch by k   Q			
	No data.	Executed SQL Statements Messages Result Set1 ×		
		The following is the execution result set of SELECT * FROM "schema1"."mytable".		() This object has no primary
			firstcol	
		1	100	

10. In the upper part of the page, choose **Account Management** > **Role Management**.

#### Figure 2-16 Role management

Data Admin Service PostgreSQL	SQL Operations	Database Management	Import and Export	Account Management
Home Role Management ×				
+Create Role Batch Delete				
Role Name			Role ID	
pg_database_owner			6171	
pg_read_all_data			6181	
pg_write_all_data			6182	
root			16384	

11. Click **Create Role** and complete basic settings. **user1** is used as an example.

#### Figure 2-17 Creating a role

Home Role Mana	igement ×	
Back to Role Management Lis	t / Create Role	
Basic Settings Role	Groups Permissions	
* Role Name	user1	
Login		
* Password		ø
* Confirm Password		ø
Connection Limit	-1	
Expires	Select a date.	
Create Database		
Create Role		
Inherit Permission ⑦		
		Save Cancel

12. Click the **Permissions** tab and grant **user1** the permissions to perform operations on databases, schemas, and tables.

Figure 2-18 Granting permissions

Dabit of	tings Role Groups	Permise	ions				
Add	Delete						
	Туре		Database	Schema	Object	Column	Permissions
	Table		test1	schema1	mytable $\lor$		DELETE, INSERT, REFERENCES, SELECT, TRIGGER, TRUNCATE, UPDATEEdt
	Schema		test1	schema1			CREATE,USAGEEdt
	Database		test1				CONNECT, CREATE, TEMPORARYEdit

13. On the **Development Tool** page, click **Add Login** and log in to the database as **user1**.

#### Figure 2-19 Adding login

Add DB Instance Connect	tion			×
* DB Engine	PostgreSQL ~			
* Source Database	RDS ECS		Q Enter a DB i	nstance name. Q
	DB Instance	DB Engine Version	DB Instance Type	Status
	flexusrds-53e5	PostgreSQL 16	Single	o Available
	🔿 rds-e657	PostgreSQL 16	Single	o Available
	Total Records: 2		5	<ul><li>✓&lt; 1 &gt;</li></ul>
★ Database Name	test1			
★ Login Username	user1			
* Password		Test Connection		
	Remember Password Your password v	will be encrypted and stored securely.		
Description				
Show Executed SQL Statements $\textcircled{O}$	If not enabled, the executed SQL statements	s cannot be viewed, and you need to	input each SQL statemen	t manually.
			Cance	е ОК

14. Create schema2 in test1 to verify that user1 has the CREATE permission. CREATE SCHEMA schema2;

#### Figure 2-20 Verifying permissions

Database: test1 V	● Execute SQL (F8) ■ Format SQL (F9) ■ Execute SQL Plan (F6) SQL Favorites ∨
Schema: public V	1 CREATE SCHEMA schema1;
Tables Views Please search by k   Q C	Executed SQL Statements Messages