DataArts Studio

Preparations

 Issue
 01

 Date
 2024-04-29





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Preparations

Before using DataArts Studio, you need to register a a Huawei account, buy a DataArts Studio instance, access the DataArts Studio instance console, manage workspaces, and authorize users to use DataArts Studio.

The following figure shows the preparations and operations, which will be described in detail in later sections.



Figure 1-1 Preparations for using DataArts Studio

2 Buying DataArts Studio Instances

2.1 Buying a DataArts Studio Basic Package

DataArts Studio is billed based on the basic package and incremental package. The basic package refers to the DataArts Studio instance. For details about how to purchase a DataArts Studio instance, see **Buying a DataArts Studio Basic Package**.

Background

• Only users who have the **DAYU Administrator** or **Tenant Administrator** permissions can buy DataArts Studio instances or DataArts Studio incremental packages. To allow users to buy instances or incremental packages, you must grant the required permissions to them.

NOTE

Users with the **Tenant Administrator** permissions can perform all operations except IAM user management. For security purposes, you are not advised to grant the **Tenant Administrator** permissions to IAM users.

• Only users who have the **Security Administrator** permissions can create cloud service agencies. Cloud service agencies allow DataArts Studio to perform operations such as task scheduling and resource O&M on cloud services on your behalf.

Prerequisites

You have obtained a VPC, subnet, and security group. You can also apply for them when you buy a DataArts Studio instance.

For details, see Virtual Private Cloud User Guide.

Logging In to DataArts Studio Console

- 1. Log in to the Huawei Cloud console.
- 2. In the upper left corner of the console, click , and choose **DataArts Studio** to access the DataArts Studio console.

Buying a DataArts Studio Basic Package

- **Step 1** Access the page for **purchasing a DataArts Studio instance**.
- **Step 2** On the displayed page, set parameters for the DataArts Studio instance. **Table 2-1** provides descriptions of the parameters.

Parameter	Example	Description
Region	None	The region where the instance resides. Resources in different regions cannot communicate with each other.
		When selecting a region, consider the following factors:
		 Location You are advised to select a region closest to your target users. This reduces network latency and improves access rate. However, Chinese mainland regions provide the same infrastructure, BGP network quality, and operations and configurations on resources. Therefore, if your target users are in the Chinese mainland, you do not need to consider the network latency differences when selecting a region.
		The countries and regions outside the Chinese mainland, such as Bangkok, provide services for users outside the Chinese mainland. If your target users are in the Chinese mainland, these regions are not recommended because there may be a latency in accessing resources.
		 Relationship between cloud services Cloud services in different regions cannot communicate with each other through an internal network.
		For example, if you want to enable communication between DataArts Studio (containing modules such as Management Center and CDM) and services in other regions (such as MRS and OBS), use a public network or Direct Connect. If DataArts Studio and the other services are in the same region, instances in the same subnet and security group can communicate with each other by default.
		 Resource price Resource pricing may vary in different regions. For details, see Product Pricing Details.
		For details, see <mark>AZs</mark> .

 Table 2-1 DataArts Studio instance parameters

Parameter	Example	Description
Enterprise Project	default	Enterprise project associated with the default workspace of the DataArts Studio instance. An enterprise project facilitates management of cloud resources. For details, see Enterprise Management User Guide.
		This parameter is available only when an enterprise project has been created. If you want to connect the DataArts Studio instance to a cloud service (such as DWS, MRS, and RDS), ensure that the enterprise project of the DataArts Studio workspace is the same as that of the cloud service instance.
		 You can buy only one DataArts Studio instance for an enterprise project.
		• If you want to enable communication between DataArts Studio and another cloud service, ensure that the enterprise project of DataArts Studio is the same as that of the cloud service.
Version	Basic	Select a DataArts Studio version. For details about the version differences, see Versions.
		NOTE The DataArts Studio instance contains a CDM cluster by default. You are advised to use this cluster as a connection agent. For data migration jobs, purchase a DataArts Migration incremental package of a higher version. For details, see Buying a DataArts Migration Incremental Package .
Billing Mode	Yearly/Monthly	The DataArts Studio basic package is billed on a monthly/yearly basis.
Instance Name	DataArts Studio-test	Name of the DataArts Studio instance The instance name cannot be changed.

Parameter	Example	Description	
AZ	AZ1	AZ of the DataArts Studio instance, that is, the AZ where the CDM cluster is located. The DataArts Studio instance communicates with other services through the CDM cluster.	
		incremental package for the first time, there is no requirement on the AZ. When you buy a new DataArts Studio instance or incremental package, determine whether to select the same AZ as the existing one based on your DR and network latency demands.	
		 If your application requires good DR capability, deploy resources in different AZs in the same region. 	
		• If your application requires a low network latency between instances, deploy resources in the same AZ.	
		For details, see AZs.	
VPC	vpc1	VPC, subnet, and security group to which the	
Subnet	subnet-1	belongs. The DataArts Studio Instance	
Security Group	sg-1	communicates with other services through the CDM cluster.	
		If you want to connect the DataArts Studio instance or CDM cluster to a cloud service (such as DWS, MRS, and RDS), ensure that the CDM cluster can communicate with the cloud service. If the CDM cluster and the cloud service are in the same region, VPC, subnet, and security group, they can communicate with each other by default. If the CDM cluster and the cloud service are in the same VPC but in different subnets or security groups, you must configure routing rules and security group rules. For details about the operations on VPCs, subnets, and security groups, see <i>Virtual</i> <i>Private Cloud User Guide</i> .	
Required Duration	1 year	Select a duration based on your requirements.	

Parameter	Example	Description
Auto-renew	N/A	You can select Auto-renew to automatically renew the subscription by month or by year.
		If you choose the monthly billing mode, your subscription will be automatically renewed each month. If you choose the yearly billing mode, your subscription will be automatically renewed each year.
Tag	Tag key: key1 Tag value: asd	DataArts Studio instance tags can be used in the following scenarios:
		You can set tags when creating a DataArts Studio instance.
		 Enter a tag key in the text box or select a predefined tag key from the drop-down list.
		NOTE To add a predefined tag, you need to create one on TMS and then select it from the Tag key drop-down list. You can click View predefined tags to enter the Predefined Tag page of TMS. Then, click Create Tag to create a predefined tag. For details, see Creating Predefined Tags in <i>Tag Management Service User Guide</i> .
		2. Enter a tag value in the text box or select a predefined tag value from the drop-down list.
		3. Click Add to add the tag.
		NOTE
		 A maximum of 20 tags can be added.
		 Only one tag value can be added to a tag key.
		 The key name must be unique in the same instance.

Step 3 Confirm the settings and click **buy Now**.

Step 4 Click **Next**. After you pay for your instance, wait until the instance is created. The created instance is displayed on the homepage.

Figure 2-1 Viewing a DataArts Studio instance

Govern	your data and build industrial knowledge libraries with	Welcome to Data Governance Center (Data h Data/ts Studo. Its deed based by data storage, computing, and analys 10 Easy Instance	Arts Studio) Is four-aldons make it easier for you to rapidly grow your enterprise's by	data operations.	
Available Instances Documentation				Search by name by default.	Q
Enterprise Project: default					
Version Basic	Billing Mode Pay per Use				
Created Jun 15, 2022 17:19:11 GMT+08:00	Name DGC-default1				
Expired	Status Valid				
@ Access 🛛 Delete	EDBuy More •				

Step 5 When you return to the DataArts Studio management console, the **Authorize Access** dialog box is displayed, prompting you to authorize the listed services. DataArts Studio interacts with the cloud services and needs to collaborate with them. Therefore, you need to create a cloud service agency to delegate permissions to DataArts Studio so that DataArts Studio can use these cloud services and perform task scheduling and resource O&M on behalf of you.

NOTICE

Only users who have the **Security Administrator** permissions can create cloud service agencies. Cloud service agencies allow DataArts Studio to perform operations such as task scheduling and resource O&M on cloud services on your behalf.

Cloud service agencies include permissions related to DWS, MRS, RDS, OBS, SMN, and KMS. You can access the IAM agency page to view the agency scope. You do not need to apply for an agency for users. The agency of the account is used.

Select all services and click **Authorize**. The platform automatically creates the default agency **dlg_agency**.

- After the authorization is complete, the **Authorize Access** dialog box will not be displayed when you access the DataArts Studio console homepage next time.
- If you select only some services for authorization, the system still displays the dialog box next time you access the DataArts Studio console homepage, prompting you to authorize access to unauthorized cloud services.

Figure 2-2 Authorize Access dialog box

DataArts Studio is requesting permissions to access your cloud resources.

The following agency has been created by the system for DataArts Studio. After the agency receives authorization, DataArts Studio will be able to access your cloud resources.

		dlg_agency	
The default ag Authorizing thi resources of th	ency DataArts Studi s agency will grant E ne following cloud se	o uses to access clo DataArts Studio perm rvices:	oud service resources. hissions to access
DLI	RDS	KMS	IAM-ReadOnly
DWS	OBS	APIG	SMN
ECF	CDM	MRS	
			_
	Autho	rize Cancel	

Step 6 In the list of instances, locate your instance and click **Access** to access the DataArts Studio console.

----End

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2.2 (Optional) Buying a DataArts Studio Incremental Package

DataArts Studio provides basic and incremental packages. If the basic package cannot meet your requirements, you can buy an incremental package. Before you buy an incremental package, ensure that you have a DataArts Studio instance.

DataArts Studio provides the following types of incremental packages:

• DataArts Migration incremental package

CDM clusters can migrate data to the cloud and integrate data into the data lake. It provides wizard-based configuration and management and can integrate data from a single table or an entire database incrementally or periodically. The DataArts Studio basic package contains a CDM cluster. If the cluster cannot meet your requirements, you can buy a DataArts Migration incremental package.

DataArts Migration incremental packages support the following billing modes:

- **Buying a Pay-Per-Use CDM Cluster**: You can enable or disable the package as you like and you are charged by the usage duration.
- **Buying a Yearly/Monthly CDM Cluster**: This mode is more cost-effective and a better choice if you want to use the package for a long time.
- DataArts DataService incremental package

DataArts DataService is a platform where you can develop, test, and deploy your data services. DataArts DataService ensures agile response to data service needs, easier data retrieval, better experience for data consumers, higher efficiency, and better monetization of data assets. To use DataArts DataService Exclusive, you need to purchase an exclusive cluster incremental package in addition to the DataArts Studio basic package.

For details, see **Buying a DataArts DataService Exclusive Cluster**.

Background

- You can choose **More** > **View Packages** to view incremental packages.
- You can buy a CDM cluster by buying an incremental package on the DataArts Studio console or buy a CDM cluster directly on the CDM console. The differences are as follows:
 - a. Billing: Clusters purchased on the DataArts Studio console only support packages purchased on the DataArts Studio console, while clusters purchased on the CDM console only support the discount packages purchased on the CDM console.
 - b. Permission control: For clusters purchased on the DataArts Studio console, permissions are managed based on the DataArts Studio permission system. For clusters purchased on the CDM console, permissions are managed based on the CDM permission system.
 - c. Application scenarios: Clusters purchased on the DataArts Studio console are isolated by workspace and can be used only in associated workspaces. Clusters purchased on the CDM console are not isolated by workspace and can be used in all DataArts Studio workspaces.

The former is recommended, and this section uses it as an example.

Buying a Pay-Per-Use CDM Cluster

If you buy a pay-per-use incremental package, the system automatically creates a CDM cluster based on the specifications you select.

- 1. Locate an enabled instance and click **Buy**.
- 2. On the displayed page, set parameters based on Table 2-2.

Parameter	Description
Package	Select DataArts Migration.
Billing Mode	Select Pay per Use .
AZ	When you buy a DataArts Studio instance or incremental package for the first time, there is no requirement on the AZ.
	When you buy a new DataArts Studio instance or incremental package, determine whether to select the same AZ as the existing one based on your DR and network latency demands.
	• If your application requires good DR capability, deploy resources in different AZs in the same region.
	• If your application requires a low network latency between instances, deploy resources in the same AZ.
	For details, see AZs.
Workspace	Select the workspace where the DataArts Migration incremental package will be used. The CDM cluster can only be used in this workspace.
Enterprise Project	If the CDM cluster is associated with multiple workspaces, you need to specify an enterprise project for the CDM cluster.
Cluster	Customize the cluster name.

Table 2-2 Parameters for the CDM incremental package

Parameter	Description
Instance	The following CDM cluster flavors are available:
	• cdm.large : 8 vCPUs and 16 GB of memory. The maximum and assured bandwidths are 3 Gbit/s and 0.8 Gbit/s. Up to 16 jobs can be executed concurrently.
	• cdm.xlarge : 16 vCPUs and 32 GB of memory. The maximum and assured bandwidths are 10 Gbit/s and 4 Gbit/s. Up to 32 jobs can be executed concurrently. This flavor is suitable for migrating terabytes of data that requires a bandwidth of 10GE.
	• cdm.4xlarge : 64 vCPUs and 128 GB of memory. The maximum and assured bandwidths are 40 Gbit/s and 36 Gbit/s. Up to 128 jobs can be executed concurrently.
	• The free ECS with 4 vCPUs and 8 GB memory provided by DataArts Studio can run only one job.
VPC	VPC to which the CDM cluster in the DataArts Studio instance belongs. A VPC is a secure, isolated, and logical network environment.
	If you want to connect the DataArts Studio instance or CDM cluster to a cloud service (such as DWS, MRS, and RDS), ensure that the CDM cluster can communicate with the cloud service. If the CDM cluster and the cloud service are in the same region, VPC, subnet, and security group, they can communicate with each other by default. If the CDM cluster and the cloud service are in the same VPC but in different subnets or security groups, you must configure routing rules and security group rules.
	For details about the operations on VPCs, subnets, and security groups, see <i>Virtual Private Cloud User Guide</i> .
	After the CDM instance is created, the VPC cannot be changed.

Parameter	Description
Subnet	Subnet to which the CDM cluster in the DataArts Studio instance belongs. A subnet provides dedicated network resources that are isolated from other networks, improving network security.
	If you want to connect the DataArts Studio instance or CDM cluster to a cloud service (such as DWS, MRS, and RDS), ensure that the CDM cluster can communicate with the cloud service. If the CDM cluster and the cloud service are in the same region, VPC, subnet, and security group, they can communicate with each other by default. If the CDM cluster and the cloud service are in the same VPC but in different subnets or security groups, you must configure routing rules and security group rules.
	For details about the operations on VPCs, subnets, and security groups, see <i>Virtual Private Cloud User Guide</i> . NOTE After the CDM instance is created, the VPC cannot be changed.
Security Group	Security group to which the CDM cluster in the DataArts Studio instance belongs. A security group is a set of ECS access rules. It provides access policies for ECSs that have the same security protection requirements and are mutually trusted in a VPC.
	If you want to connect the DataArts Studio instance or CDM cluster to a cloud service (such as DWS, MRS, and RDS), ensure that the CDM cluster can communicate with the cloud service. If the CDM cluster and the cloud service are in the same region, VPC, subnet, and security group, they can communicate with each other by default. If the CDM cluster and the cloud service are in the same VPC but in different subnets or security groups, you must configure routing rules and security group rules.
	For details about the operations on VPCs, subnets, and security groups, see <i>Virtual Private Cloud User Guide</i> . NOTE After the CDM instance is created, the security group cannot be changed.
IPv6 Dual Stack	If you enable this function, both private IPv4 and IPv6 addresses can be used to access the cluster. NOTE
	• If you enable this function, you can only select subnets for which IPv6 CIDR blocks are enabled. If you want to select a subnet for which IPv6 CIDR blocks are disabled, enable IPv6 CIDR blocks for the subnet in the VPC service.
	• IPv6 dual stack can be enabled for private IP addresses, but not for public IP addresses.

NOTICE

You cannot modify the specifications of an existing cluster. If you need higher specifications, create another cluster.

- 3. Click **Buy Now**, confirm the specifications, and click **Next**.
- 4. View the CDM cluster in the corresponding workspace.

Buying a Yearly/Monthly CDM Cluster

If you want to enjoy the preferential price of the yearly/monthly incremental package, you can buy a yearly/monthly incremental package and then buy a payper-use incremental package which is in the same region and has the same specifications as the yearly/monthly incremental package.

- 1. Locate an enabled instance and click **Buy**.
- 2. On the displayed page, set the following parameters:
 - a. Select DataArts Migration for Package.
 - b. Select Yearly/Monthly for Billing Mode.
 - c. Specify a validity period in **Usage Duration** for the package.
 - d. Enter the number of subscribed packages in **Purchase Quantity**. For example, if you specify **1 month** for **Usage Duration** and **2** for **Purchase Quantity**, you will have a 1490-hour quota and the validity period will be 1 month.
- 3. Click **Buy Now**. If there are no changes made to the specifications, submit the order.
- 4. After you buy the yearly/monthly package, the system will not automatically create a CDM cluster. You need to buy a pay-per-use incremental package in the same region and with the same specifications as the yearly/monthly package by following the instructions in **Buying a Pay-Per-Use CDM Cluster**. Then you can enjoy the preferential price of the yearly/monthly incremental package.

Buying a DataArts DataService Exclusive Cluster

- **Step 1** Locate an enabled instance and click **buy**.
- **Step 2** On the displayed page, set parameters based on **Table 2-3**.

Table 2-3 Parameters for buying an exclusive DataArts DataService insta	nce
---	-----

Parameter	Description
Package	Select DataArts DataService.
Billing Mode	Currently, Yearly/Monthly is supported.

Parameter	Description
Workspace	The workspace for which you want to use the incremental package. For example, if you want to use DataArts DataService Exclusive in workspace A of the DataArts Studio instance, select workspace A. After you buy an exclusive DataArts DataService cluster, you can view it in workspace A.
AZ	 When you buy a DataArts Studio instance or incremental package for the first time, you can select any available AZ. When you buy another DataArts Studio instance or incremental package, determine whether to deploy your resources in the same AZ based on your DR and network latency demands. If your application requires good DR capability, deploy resources in different AZs in the same region. If your application requires a low network latency between instances, deploy resources in the same AZ.
Name	N/A
Description	A description of the exclusive DataArts DataService cluster.
Version	Cluster version of the exclusive DataArts DataService cluster.
Cluster Details	The number of concurrent API requests supported varies depending on the instance specifications.
Enabling public IP address	If you select Enabling public IP address , external services can call the APIs created in exclusive instances through the Internet address.
Bandwidth	Bandwidth range on the Internet.
VPC	 A VPC is a secure, isolated, and logical network environment. Cloud resources (such as ECSs) within the same VPC can call APIs using the private IP address of DataArts DataService Exclusive. Deploy the DataArts DataService Exclusive instance in the same VPC as your other services to facilitate network configuration and secure network access. NOTE After the DataArts DataService instance is created, the VPC cannot be changed.
Subnet	A subnet provides dedicated network resources that are logically isolated from other networks for network security. Deploy the DataArts DataService Exclusive instance in the same subnet of the same VPC as your other services to facilitate network configuration and secure network access. NOTE After the DataArts DataService instance is created, the subnet cannot be changed.

Parameter	Description
Security Group	A security group is used to set port access rules, define ports that can be accessed by external services, and determine the IP addresses and ports that can be accessed externally.
	For example, if the backend service is deployed on an external network, configure security group rules to allow access to the IP address and listening port of the backend service.
	NOTE
	 If Enabling the public IP address is selected, the security group must allow access from ports 80 (HTTP) and 443 (HTTPS) in the inbound direction.
	After the DataArts DataService instance is created, the security group cannot be changed.
Managing Cluster Resources Using an Enterprise Project	Enterprise project associated with the exclusive DataArts DataService cluster. An enterprise project facilitates management of cloud resources. For details, see Enterprise Management User Guide.
Nodes	N/A
Required Duration	N/A

Step 3 Click **buy Now**, confirm the settings, and click **Next**.

----End

3 Accessing the DataArts Studio Instance Console

Prerequisites

A DataArts Studio instance has been obtained. For details, see **Buying a DataArts Studio Basic Package**.

Procedure

- **Step 1** Log in to the Huawei Cloud console. Choose DataArts Studio from the service list in the upper left corner to access the DataArts Studio instance console.
 - If there are multiple DataArts Studio instances in the current region, the instance list is displayed by default. Locate an instance and click **Access** to access the DataArts Studio console.

Figure 3-1 Ins	stance list				
6	overn your data and build industrial knowledge lib	Welcome to Data Governal raries with DataArts Studio. Its cloud-based big data storage Bay	nce Center (DataArts Studio) e, computing, and analysis foundations make it en Instance	ssier for you to rapidly grow your enterprise's big dat	ta operations.
Available Instances					Q Search by name by default.
Enterprise Project: default Varion Basic Cronted Jun 15, 2022 17:19:11 GMT-08:00 Extens - Ovider No Description - Chart No Description - Chart No	Billing Mode Pay per Use Name DGC-default Instracio ID Skobides45934698e8007. Status Valid FB Boy More •	Enterprise Project: default Version Baac Creded May 20, 2023 16 17:54 GMT-08:00 Express Jan 20, 2024 23:55:95 GMT-08:00 Creder May 20, 2024 23:55:95 GMT-08:00 Description	Billing Modo Veerly/Mortehy Name DataArts-default Instance ID acc84664872240eb9 Status 114 days until expira Expiration Policy Auto-Runear Bibley More •		

• If there is only one DataArts Studio instance in the current region, the DataArts Studio console homepage is displayed by default.

Figure 3-2 Console homepage



----End

4 Managing a Workspace

4.1 Creating and Managing a Workspace

The system will create a default workspace and assign the admin role to you after you buy a DataArts Studio instance. can use the default workspace or create a new workspace.

A workspace in a DataArts Studio instance is the basic unit for member management and role and permission allocation. It provides all DataArts Studio functions. Workspaces are allocated by branch or subsidiary (such as the group, subsidiary, and department), business domain (such as the procurement, production, and sales), or implementation environment (such as the development, test, and production environment). There are no fixed rules.

Admins can manage user (member) permissions, resources, and compute engines in a workspace. To enable users to work together, admins can add users to a workspace and assign the preset roles of DataArts Studio (admin, developer, operator, and visitor) to the users. Users other than admins can access Management Center, DataArts Migration, DataArts Architecture, DataArts Catalog, DataArts Quality, DataArts DataService, DataArts Security, and DataArts Factory only after they are added to a workspace and assigned relevant roles.

Constraints

- There is no limit on the number of workspaces that can be created for a DataArts Studio instance. You can plan the quota as needed.
- The storage of job logs and dirty data depends on the OBS service.

Prerequisites

A DataArts Studio instance has been obtained. For details, see **Buying a DataArts Studio Basic Package**.

Background

• The system will create a default workspace and assign the admin role to you after you buy a DataArts Studio instance.

- In a DataArts Studio instance created by a master account, if an IAM user of the account needs to create a workspace, the IAM user must be assigned the DAYU Administrator or Tenant Administrator policy. By default, the master account has all the permissions for a DataArts Studio instance created by a sub-user.
- Users assigned the permissions of **DAYU User** can access a workspace only after they are added as members of the workspace.

Creating a Workspace

- Step 1Log in to the DataArts Studio console as user DAYU Administrator or Tenant
Administrator. For details, see Accessing the DataArts Studio Instance Console.
- **Step 2** On the **Workspaces** page, click **Create**. In the displayed dialog box, set parameters based on **Table 4-1**.

Create		
* Name	Enter a name.	
Description	Enter a description.	
	0/4,096	
* Mode	Simple	
* Enterprise Project	•	С
Job Log Path		Select
Dirty Data Path		Select
tags	It is recommended that you use TMS's predefined tag function to ad- resources. View predefined tags C To add a tag, enter a tag key and a tag value below.	3 the same tag to different cloud
	Enter a tag key Enter a tag value	Add
	Tags you can still add: 20	
	OK Cancel	

Figure 4-1 Creating a workspace

Table 4-1 Parameters for creating a workspace

Parameter	Description
Name	Workspace names can contain only letters, numbers, underscores (_), and hyphens (-). They cannot exceed 32 characters. In a DataArts Studio instance, workspace names must be unique.
Description	A description of the workspace.

Parameter	Description				
Mode	 Workspace mode Simple: This traditional mode is easy to use but does not allow you to strictly control the data development process and table permissions. Enterprise: You can isolate the development environment from the production environment in the DataArts Factory and Management Center modules of DataArts Studio. This prevents developers' operations from affecting services in the production environment. For details about the enterprise mode see DataArts Studio Enterprise Mode Overview. 				
Enterprise Project	 Enterprise project associated with the default workspace of the DataArts Studio instance. An enterprise project facilitates management of cloud resources. For details, see Enterprise Management User Guide. This parameter is available only when an enterprise project has been created. If you want to connect the DataArts Studio instance to a cloud service (such as DWS, MRS, and RDS), ensure that the enterprise project of the DataArts Studio workspace is the same as that of the cloud service instance. You can buy only one DataArts Studio instance for an enterprise project. If you want to enable communication between DataArts Studio and another cloud service, ensure that the enterprise project of the cloud service of DataArts Studio is the same as that of the cloud service of DataArts Studio is the same				
OBS Bucket for Job Logs	 Service. The OBS bucket for storing logs of DataArts Studio data development jobs. To use the DataArts Factory module of DataArts Studio, workspace members must have the read and write permissions on the OBS bucket for storing job logs. Otherwise, the system cannot read or write job logs generated during data development. Click Select. You can select a created OBS bucket. The selected OBS bucket is globally configured in the current workspace. If this parameter is not set, job logs generated during data development are stored in the OBS bucket named dlf-log-{projectld} by default. {projectld} indicates the project ID, which can be obtained by referring to Obtaining a Project ID and Account ID. 				

Parameter	Description
OBS Bucket for DLI Dirty Data	The OBS bucket for storing dirty data generated during DLI SQL execution in DataArts Studio Data Development. To use DataArts Studio DataArts Factory to develop and execute DLI SQL statements, workspace members must have the read and write permissions on the OBS bucket where DLI dirty data is stored. Otherwise, the system cannot read or write the dirty data generated during DLI SQL execution.
	• Click Select . You can select a created OBS bucket. The selected OBS bucket is globally configured in the current workspace.
	 If this parameter is not set, dirty data generated during DLI SQL execution is stored in the OBS bucket named dlf-log- {projectld} by default.
Тад	If you have multiple workspaces, you can add tags to classify them by user, maintainer, or usage. On the Workspaces page, you can search for and identify workspaces by tag.
	A tag consists of a tag key and a tag value. You can select tags predefined in Tag Management Service (TMS) or enter custom tags. Each tag key must be unique. Only one tag value can be added to a tag key.

Step 3 Click OK.

----End

Related Operations

• Disable a workspace: After a workspace is created, it is enabled by default. You can disable or enable it as needed.

On the **Workspaces** page, locate the target workspace, and click in the **Status** column to disable the workspace. In the displayed **Disable Workspace** dialog box, learn about the impact of disabling the workspace and click **Yes** to disable the workspace.

NOTE

If you disable a workspace, you cannot access the workspace, edit the workspace, view quotas of the workspace, or schedule jobs in the workspace.

CDM clusters in the workspace will still be billed.

• Enable a workspace: On the Workspaces page, locate the target workspace,

and click **()** in the **Status** column to enable the workspace. In the displayed **Enable Workspace** dialog box, click **Yes**.

 Edit a workspace: On the Workspaces page, locate the target workspace, and click Edit in the Operation column. In the displayed Workspace Information dialog box, modify the workspace parameters listed in Table 4-1 and click OK.

Different from creating a workspace, when editing a workspace, you cannot change tags (see Add/Edit a tag), but can add workspace members (see

Adding a Member and Assigning a Role) and set workspace quotas (see Setting Workspace Quotas).

- Add/Edit a tag: On the Workspaces page, locate a workspace, click More in the Operation column, and select tags. In the displayed tags dialog box, click Add/Edit Tag to associate tags with the workspace.
- View quota usage: On the **Workspaces** page, locate a workspace and click **Quota Usage** in the **Operation** column. In the displayed **Quota Usage** dialog box, you can view the quota usage of each service in the workspace.
- Pin a workspace to top: On the **Workspaces** tab page, locate the target workspace, click **More** in the **Operation** column, and select **Pin to Top**.
- Delete a workspace: On the **Workspaces** page, locate the target workspace, click **More** in the **Operation** column, and select **Delete**. In the displayed **Delete Workspace** dialog box, click **OK**.

NOTE

To prevent service loss caused by mis-deletion, the system allows only the **DAYU Administrator** or **Tenant Administrator** to delete workspaces. Before deleteing a workspace, ensure that no resource is available in any of the following modules:

- Management Center: data connections
- DataArts Migration: CDM clusters
- DataArts Architecture: subjects, logical models, standards, physical models, dimensional models, and metrics
- DataArts Factory: jobs, job directories, scripts, script directories, and resources
- DataArts Quality: quality jobs and comparison jobs
- DataArts Catalog: tables and files in technical assets and metadata collection tasks
- DataArts DataService: clusters, APIs, and apps
- DataArts Security: sensitive data discovery tasks, masking policies, static masking tasks, and data watermarking tasks

If any component of a workspace has any service resource, deleting the workspace will fail.

If any module has resources, delete the resources as prompted and try again.

Figure 4-2 Message indicating that the workspace cannot be deleted

Workspace Cannot Be Deleted					
This workspace has the following jobs	or resources and cannot be deleted.				
Component	Resources/Jobs				
Management Center	1				
ок	Cancel				

4.2 Setting Workspace Quotas

Before using DataArts Studio, you need to set quotas for the current workspace (only API quota for DataArts DataService Exclusive). If the used quota of the

current workspace exceeds the allocated quota or the total used quota exceeds the total allocated quota, some functions will be unavailable, for example, you cannot create APIs in DataArts DataService Exclusive.

- Used quota: quota that has been used in the current workspace. It is automatically collected by the system.
- Allocated quota: quota allocated to the current workspace by the administrator
- Total used quota: quota that has been used in the current instance. It is automatically collected by the system.
- Total allocated quota: quota allocated to all workspaces in the current instance. It is automatically collected by the system.
- Total quota: maximum quota for the current instance. The value is fixed and cannot be changed.

Prerequisites

You have changed your account to either of the following:

- DAYU Administrator or Tenant Administrator
- DAYU User, which is the workspace administrator

Procedure

- **Step 1** Log in to the DataArts Studio console by following the instructions in Accessing the DataArts Studio Instance Console.
- **Step 2** On the **Workspaces** page, locate the target workspace and click **Edit** in the **Operation** column.

Workspace Informa	tion					
* Name	default					
Description	Enter a description.					
			0/4,09	6		
* Mode	Simple			Upgrade		
* Enterprise Project	default		•	C		
Job Log Path				Select		
API Quota of DataArts	Used: 9					
DataService Exclusive	Allocated: 10 Save					
	Total used: 9					
	Total allocated: 10					
	Total: 6,000					
* Workspace Members	Add Remove				Account	Q
	Account	Account 7	Role 🍸	Added		Operation
		User	admin	Feb 20, 2024 16	:07:24 GMT+0	Edit
		User	admin	Jan 27, 2024 16	33:00 GMT+0	Edit
		User	admin	Jan 25, 2024 19	41:42 GMT+0	Edit
		User	admin	Jan 18, 2024 14	47:06 GMT+0	Edit
		ОК	Cancel			

Figure 4-3 Workspace Information dialog box

Step 3 In the displayed Workspace Information dialog box, locate API Quota of DataArts DataService Exclusive and click Edit in the Operation column. Set the quota and click Save.

Allocated indicates the quota that has been allocated to the current workspace. The allocated quota cannot be less than the used quota or greater than the unallocated quota (that is, the total quota minus the total allocated quota).

NOTE

You can create 10 DataArts DataService Exclusive APIs for free in each DataArts Studio instance, and you will be charged for each extra API.

Figure 4-4 Setting the allocated quota

API Quota of DataArts	Used: 0					
DataService Exclusive	Allocated: 0	-	10	+	Save	Cancel
	Total used: 0					
	Total allocated: 523					
	Total: 5,000					

Step 4 After setting the **Allocated** parameter, click **OK** in the **Workspace Information** dialog box.

----End

4.3 (Optional) Changing the Job Log Storage Path

By default, job logs and DLI dirty data are stored in an OBS bucket named **dlf-log-**{*project ID*}. You can customize a log storage path. You can configure an OBS bucket globally based on the workspace.

Constraints

- This function depends on the OBS service.
- The OBS path is only supported for OBS buckets and not for parallel file systems.

Prerequisites

You have changed your account to either of the following:

- DAYU Administrator or Tenant Administrator
- DAYU User, which is the workspace administrator

Procedure

- **Step 1** Log in to the DataArts Studio console by following the instructions in Accessing the DataArts Studio Instance Console.
- **Step 2** On the **Workspaces** page, locate the target workspace and click **Edit** in the **Operation** column.

Name	default				
Description	Enter a description.				
			0/4,09	6	
k Mode	Simple			Upgrade	
Enterprise Project	default		•	C	
Job Log Path 🕜				Select	
API Quota of DataArts	Used: 9				
DataService Exclusive	Allocated: 10 Save				
	Total used: 9				
	Total allocated: 10 Total: 6,000				
+ Workspace Members	Add Remove			Account	Q
	Account	Account 7	Role 🖓	Added	Operation
		User	admin	Feb 20, 2024 16:07:24 GMT+0.	Edit
				Jan 27, 2024 16:33:00 GMT+0.	Edit
		User	admin		
		User User	admin admin	Jan 25, 2024 19:41:42 GMT+0.	Edit

Figure 4-5 Workspace Information dialog box

Step 3 In the **Workspace Information** dialog box, click **Select** next to **Job Log Path** and **Dirty Data Path** to select the path for storing logs and DLI dirty data. You can select a specific directory.

Figure 4-6 Changing the path for storing logs and DLI dirty data

Job Log Path ?	Select
Dirty Data Path	Select

Step 4 Click OK.

----End

5 Authorizing Users to Use DataArts Studio

5.1 Creating an IAM User and Assigning DataArts Studio Permissions

Identity and Access Management (IAM) can be used for fine-grained permissions management on your DataArts Studio resources. With IAM, you can:

- Create IAM users for employees based on your enterprise's organizational structure. Each IAM user will have their own security credentials for accessing DataArts Studio resources.
- Assign users only the permissions required to perform a task.
- Entrust a a Huawei account or cloud service to perform efficient O&M on your DataArts Studio resources.

If you do not require individual IAM users for permissions management, skip this section.

Background

 Before assigning permissions to a user group, you need to understand the DataArts Studio permission system and select permissions as needed. For details about the permissions supported by DataArts Studio, see DataArts Studio Permissions Management.

Figure 5-1 Permission system



• For details on the system policies of other services, see Permissions Policies.

Constraints

- The DAYU User role provides permissions related to instances, workspaces, and dependent services. Workspace roles provide service operation permissions in workspaces.
- IAM provides the following two authorization mechanisms: Note that DataArts Studio supports only the IAM role-based authorization and does not support the IAM policy-based authorization.
 - IAM Roles: IAM initially provides a coarse-grained authorization mechanism to define permissions based on users' job responsibilities. This mechanism provides only a limited number of service-level roles for authorization. However, traditional IAM roles are not an ideal choice for fine-grained authorization and secure access control.
 - IAM Policies: A type of fine-grained authorization mechanism that defines permissions required to perform operations on specific cloud resources under certain conditions. This type of authorization is more flexible and is ideal for least privilege access.

Procedure



Figure 5-2 Authorization process

Step 1 Create a user group and assign a system role to the group.

Log in to the IAM console using a Huawei account, create a user group and assign a DataArts Studio system role to the group. For example, the system role can be DAYU Administrator or DAYU User.

For details, see Creating a User Group and Assigning Permissions.

D NOTE

- When configuring DataArts Studio permissions for a user group, enter **DAYU** in the search box to search for the permissions and select the permissions to be granted to the user group, for example, **DAYU User**.
- DataArts Studio is a project-level service deployed in specific physical regions. If you select **All resources** for **Scope**, the permission takes effect in all projects of all regions. If you select **Region-specific projects** for **Scope**, the permission takes effect only for a specified project. When accessing DataArts Studio, the IAM user must switch to the region where they have been assigned the required permissions.

Step 2 Create a user and add it to the user group.

Create users on the IAM console and add them to the group created in **step 1**.

For details, see Creating an IAM User and Adding It to a User Group.

NOTE

An IAM user can pass the authentication and access DataArts Studio through an API or SDK only if **Programmatic access** is selected for **Access Type** during the creation of the IAM user.

Step 3 Create a custom workspace role for DAYU User, add it as a workspace member, and assign a role to the member.

DataArts Studio workspace roles determine the permissions of DAYU User in a workspace. There are five preset roles: admin, developer, deployer, operator, and viewer. For details about how to add a workspace member and assign a role to the member, see Adding a Member and Assigning a Role.

For details about the permissions of the roles, see DataArts Studio Permissions.

Step 4 Log in to the console and verify permissions.

Log in to the console using the created user and verify permissions of the user.

- Choose Service List > DataArts Studio. Locate a DataArts Studio instance and click Access. Check whether the workspace list is displayed.
- Access a service module (for example, Management Center) to which your current user has been added and check whether you can perform the operations allowed for the workspace role assigned to you.

----End

Follow-up Operations

• The preset DAYU User has excessive permissions of dependent services, which may cause security risks. You can manually remove unnecessary permissions to comply with the principle of least privilege (PoLP). For details, see **Authorizing IAM Users to Use DataArts Studio by Complying with the Principle of Least Privilege**.

5.2 Adding a Member and Assigning a Role

For IAM users with the **DAYU User** permission, a workspace role determines their permissions in the workspace. If you want to allow another IAM user with the

DAYU User permission to use your DataArts Studio instance, create an IAM user by referring to **Creating an IAM User and Assigning DataArts Studio Permissions**, and add the user as the workspace member and configure a role for the user by following the instructions in this section.

Figure 5-3 Permission system



A workspace role determines the permissions of a user in the workspace. Currently, the following preset roles are available: admin, developer, deployer, operator, and viewer. For details about the permissions of each role, see **Permissions**.

- Admin: This role has all operation permissions in a workspace. You are advised to assign the admin role to the project owner, development owner, and O&M administrator.
- Developer: This role has permissions to create and manage resources in a workspace. You are advised to assign this role to users who develop and process tasks.
- Operator: This role has the operation permissions of services such as O&M and scheduling in a workspace, but cannot modify resources or configurations. You are advised to assign this role to users responsible for O&M management and status monitoring.
- Viewer: This role can view data in a workspace but cannot perform any other operation. You are advised to assign this role to users who only need to view data in a workspace but do not need to perform operations.
- Deployer: This role is unique to the enterprise mode and has permissions to release task packages in a workspace. In enterprise mode, when a developer submits a script or job version, the system generates a release task. After the developer confirms the release and the deployer approves the release request, the modified job is synchronized to the production environment.

Background

If the permissions of **DAYU User** has been assigned to the created IAM user, you must add workspace members and roles. Otherwise, the IAM user cannot view existing DataArts Studio workspaces.

Constraints

Due to the limitation of the authentication cache mechanism, changes to the roles of workspace members do not take effect immediately. Instead, the changes take effect only after the workspace members stop accessing the DataArts Studio console and wait for 6 minutes.

Prerequisites

You have changed your account to either of the following:

- DAYU Administrator or Tenant Administrator
- DAYU User, which is the workspace administrator

Adding a Member and Assigning a Role

- **Step 1** Log in to the DataArts Studio console by following the instructions in Accessing the DataArts Studio Instance Console.
- **Step 2** On the **Workspaces** page, locate the target workspace and click **Edit** in the **Operation** column.

Figure 5-4 Workspace Information dialog box

Workspace Informa	ation					
* Name	default					
Description	Enter a description.					
			0/4,09	6		
* Mode	Simple			Upgrade		
* Enterprise Project	default		•	С		
Job Log Path 🕜				Select		
API Quota of DataArts	Used: 9					
DataService Exclusive	Allocated: 10 Save					
	Total used: 9					
	Total allocated: 10					
	Total: 6,000					
* Workspace Members	Add Remove				Account	Q
	Account	Account 🍞	Role 7	Added		Operation
		User	admin	Feb 20, 2024 16	:07:24 GMT+0	Edit
		User	admin	Jan 27, 2024 16	:33:00 GMT+0	Edit
		User	admin	Jan 25, 2024 19	:41:42 GMT+0	Edit
		User	admin	Jan 18, 2024 14	:47:06 GMT+0	Edit
		ок	Cancel			

Step 3 Click **Add** under **Workspace Members**. In the displayed **Add Member** dialog box, select **Add User** or **Add Group**, select a member account from the drop-down list, and select a role for it.

Figure 5-5 Adding a member

Add Member		×
* Account Type	• User 🔘 Group	
★ Member Account	dgc_doc 🔕 🔻	
* Role	✓ admin _ developer _ operator _ viewer	
	OK Cancel	

Step 4 Click **OK**. You can view or modify the members and roles in the member list, or remove members from the workspace.

----End

Related Operations

• Remove workspace members: In the **Workspace Information** dialog box, select the members to remove and click **Remove**. In the **Remove Member** dialog box, click **Yes**.

NOTE

The creator of a workspace cannot be removed.

Figure 5-6 Removing members

Remove Member		×
Are you sure you want to remove the following	members from workspace default? Hide	
Account	Role	
dgc_doc	admin	
A Deleted object cannot be recovered. C	continue?	
Yes	No	

6 (Optional) Obtaining Authentication Information

When using DataArts Studio, for example, when creating OBS links, calling APIs, or locating issues, you may need to obtain information such as access keys, project IDs, and endpoints. This section describes how to obtain such information.

Obtaining an Access Key

To obtain an access key, perform the following steps:

- 1. Log in to the management console, move the cursor to the username in the upper right corner, and select **My Credentials** from the drop-down list.
- 2. On the **My Credentials** page, choose **Access Keys**, and click **Create Access Key**. See **Figure 6-1**.

Figure 6-1 Clicking Create Access Key

Acce	ss Keys ③			
	Access keys can be downloaded only once after b	ing generated. Keep them secure, change them periodica	Dy, and do not share them with anyor	×.
	O Create Access Key Access keys available for c	eation: 2		
	Access Key ID U	Description 1	Created JII	Status JII
			[]	
			Ma data multiple	-

3. Click **OK** and save the access key file as prompted. The access key file will be saved to your browser's configured download location. Open the **credentials.csv** file to view **Access Key Id** and **Secret Access Key**.

NOTE

- Only two access keys can be added for each user.
- To ensure access key security, the access key is automatically downloaded only when it is generated for the first time and cannot be obtained from the management console later. Keep them properly.

Obtaining a Project ID and Account ID

A project is a group of tenant resources, and an account ID corresponds to the current account. The IAM ID corresponds to the current user. You can view the project IDs, account IDs, and user IDs in different regions on the corresponding pages.

- 1. Register with and log in to the management console.
- 2. Hover the cursor on the username in the upper right corner and select **My Credentials** from the drop-down list.
- 3. On the **API Credentials** page, obtain the account name, account ID, IAM username, and IAM user ID, and obtain the project ID from the project list.

Obtaining a DataArts Studio Instance ID and Workspace ID

To obtain a DataArts Studio instance ID and workspace ID, perform the following steps:

- 1. On the DataArts Studio console, locate a workspace and click any module, such as **Management Center**.
- 2. On the **Management Center** page, obtain the values of **instanceld** and **workspace** in the browser address bar, which are the instance ID and workspace ID, respectively.

As shown in **Figure 6-2**, the instance ID is **6b88...2688**, and the workspace ID is **1dd3bc...d93f0**.

Figure 6-2 Obtaining the instance ID and workspace ID

dayu/?workspace=1dd3bc

Obtaining an Endpoint

An endpoint is the **request address** for calling an API. Endpoints vary depending on services and regions.

DataArts Studio endpoints are in the following formats. Select an endpoint based on your service requirements.

- DataArts Migration (or CDM): cdm. *{region_id}*.myhuaweicloud.com. See Table 6-1 for details.
- DataArts Factory: dayu-dlf. *{region_id}*.myhuaweicloud.com. See Table 6-2 for details.

Region Name	Region ID	Endpoint	Protocol
CN-Hong Kong	ap- southeast-1	cdm.ap- southeast-1.myhuaweicloud.com	HTTPS
AP-Bangkok	ap- southeast-2	cdm.ap- southeast-2.myhuaweicloud.com	HTTPS
AP-Singapore	ap- southeast-3	cdm.ap- southeast-3.myhuaweicloud.com	HTTPS
LA-Sao Paulo1	sa-brazil-1	cdm.sa-brazil-1.myhuaweicloud.com	HTTPS
LA-Santiago	la-south-2	cdm.la-south-2.myhuaweicloud.com	HTTPS

Table 6-1 CDM endpoints

Region Name	Region ID	Endpoint	Protocol
LA-Mexico City1	na-mexico-1	cdm.na- mexico-1.myhuaweicloud.com	HTTPS

Table 6-2 DataArts Factory endpoints

Region Name	Region ID	Endpoint	Protocol
CN-Hong Kong	ap- southeast-1	dayu-dlf.ap- southeast-1.myhuaweicloud.com	HTTPS
AP-Bangkok	ap- southeast-2	dayu-dlf.ap- southeast-2.myhuaweicloud.com	HTTPS
AP-Singapore	ap- southeast-3	dayu-dlf.ap- southeast-3.myhuaweicloud.com	HTTPS
LA-Sao Paulo1	sa-brazil-1	dayu-dlf.sa- brazil-1.myhuaweicloud.com	HTTPS
LA-Santiago	la-south-2	dayu-dlf.la- south-2.myhuaweicloud.com	HTTPS
LA-Mexico City1	na-mexico-1	dayu-dlf.na- mexico-1.myhuaweicloud.com	HTTPS

Obtaining the GUID of DataArts Catalog

Each logical, technical, or metric asset has a GUID, which is the unique identifier of the asset. Some URLs in the calls to DataArts Catalog or Data Map APIs require the GUID.

To obtain the GUID of a data asset in DataArts Catalog or Data Map, perform the following operations:

1. On the DataArts Studio console, locate an instance and click **Access**. On the displayed page, click **Data Map** or locate a workspace and click **DataArts Catalog**.

DataArts-defa	Back to Insta	ance List		
Dashboard	Workspaces	Roles	Industry Assets	Tags
Workspace	Data Map			
default				
1.000	1 member			
DataArts N DataArts (Managem	Migration DataArts Quality DataArts Car ent Center DataArts	Architecture talog DataA s DataService	DataArts Factory arts Security(Beta) e	

Figure 6-3 Clicking Data Map or DataArts Catalog

2. Press **F12** to open the developer debugging tool and click the **Network** tab.

Figure 6-4 Network

R Ó		Elements	Con	isole	S	ources	Netwo	ork Perfo	rmance Me	mory Appli	cation Secu	urity Ligh	thouse	
Search					\times	•	9 7	Q 🗆	Preserve log	🗌 Disable ca	che No thrott	ling 🔻 🙃	± ± .	
Aa .	*	Search		C	\odot	Filter			🗌 Hide d	ata URLs 🔠	Fetch/XHR JS	CSS Img I	Media Font D	Doc
							5 ms	10 ms	15 ms	20 ms	25 ms	30 ms	35 ms	;

- 3. On the **Home** or **Data Search** page of the Data Map console, or on the **Dashboard** or **Data Catalog** page of the DataArts Catalog console, locate an asset and click its name to access its details page.
 - a. In the network request, search for a long string whose name is similar to **09318f28-939f-4ab6-a374-9e621096652c**.

Figure 6-5 Searching for a long string

adsf1 🗙											
adsf1											
/default	t Creator :	hwstaff nub eidla	reated : Feb 18, 2021	19:48:40 GMT+08:00	Data Sourr	e : dlitest					
Juelau	a creator.	invitain_pub_elong	reated . rep 10, 2021	15/10/10 (3111100:00	Data Source	e : untest					
Details P	ermissions	Column Attribute	s Lineage	Profile Data	a Preview	Change His	story				
Technical Meta	adata										
ddlCreateTime	Sep 02, 2019	15:52:59 GMT+08:00							tableType	MANAGED	
database	default								dataLocation		
schemaQName									tableSize	0.00 B	
alias									dataUpdateTime	0	
owner	hwstaff_pub_	_eidlg							comments		
lastAccessTime	Sep 02, 2019	15:53:05 GMT+08:00							columnCount	1	
createTime	Sep 02, 2019	15:52:59 GMT+08:00							name	adsf1	
location									ddlUpdateTime	Sep 02, 2019 15:53:05	GMT+08:00
English											Convrig
Elementr	Conrola	Sourcer Network	arformanca Mamo	a Application	Security Li	abthoure					
arch	×		Preserve log	Disable cache No th	nrottling 🔻 '	5a ± ±					
.* Search	CO	Filter	Invert	Hide data URLs All	Fetch/XHR JS	CSS Img Me	dia Font Do	c WS Wasm Man	ifest Other 🗌 Has block	ked cookies 🗌 Blocked F	lequests 🗌 3rd-party r
		10000 ms	20000 ms	30000 ms	40	000 ms	50000 ms	60000	ms 70000 ms	80000 ms	90000 ms
					20				1		
		Name					Status		Туре	Initiator	
		9faf5f90-2e33-420c	-9f98-a309aa0850e8				200		xhr	polyfills.js:1	
		1.png					200		ping	uba.in.js?v=2.48:1	
		🗌 me					200		xhr	polyfills.js:1	

b. Click the string and obtain the GUID from **Request URL**.

Figure 6-6 Obtaining the GUID

<	adsf1 ×													
	adsf1 /default Details Pe	Creator : 1	twstaff_pub_eidig Created	: Feb 18, 2021 19:48:40 GA Lineage Profile	/T+08:00 Data Source : d Data Preview C	itest hange History								
	Technical Meta	data												
	ddlCreateTime	Sep 02, 2019	15:52:59 GMT+08:00					tableType	MANAGED					
	database	default						dataLocation						
	schemaQName							tableSize	0.00 B					
	allas							dataUpdateTime	0					
	owner	hwstaff_pub_	eidlg					comments						
	lastAccessTime	Sep 02, 2019	15:53:05 GMT+08:00					columnCount	1					
	createTime	Sep 02, 2019	15:52:59 GMT+08:00					name	adsf1					
	location							ddlUpdateTime	Sep 02, 2019 15:53:05 (SMT+08:00				
-	inglish	A								Сор	yrighti02021 Hi	sawei Technoic	igies Co., Ltd. A	II Rights Reserv
Lik	h Elements	Console S		eserve log	cation security Lighth	suse +								
Aa	.* Search	CO	Filter	Invert I Hide data U	JRLs All Fetch/XHR JS CS	i Img Media Font Doc V	VS Wasm Manifest	Other 🗌 Has block	ed cookies 🗌 Blocked R	iquests 🗌 3rd-pa	rty requests			
			10000 ms 20000 ms	30000 ms 40000 ms	50000 ms 60000 ms	70000 ms 80000 ms	90000 ms 101	0000 ms 110000 ms	120000 ms 130000	ms 140000 ms	150000 ms	160000 ms	170000 ms	180000 ms
			Name		X Headers Preview F	esponse Initiator Timin	g Cookies							
			9faf5f90-2e33-420d-9f98-a 1.png me me mercanar2nffrat=08.timit= 48 requests 736.kB transfe	Sketaturen *	 ✓ General Request URL: https://c Request Method: POST Status Code: ● 200 	onsole.huaweicloud.com/	dayu/da/rest/v1/d	20d37##711744d08274	12959a976428/native/e	ntity/attribute	s/detail/guid	9faf5f90-2e	33-428d-9 7 98	a309aa0850e8