

DAS

Billing

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1 Billing Overview

In this document, you will learn about how Intelligent O&M of Data Admin Service (DAS) is billed along with details about billing modes and billing items.

- **Billing Modes**

Intelligent O&M supports both free and paid instances. It can store SQL data for different periods in the two billing modes. SQL data can be stored for 1 hour for free instances. For details about how long SQL data can be stored for paid instances, see [Billing Policy](#). This billing rule applies to both existing and new instances using Intelligent O&M. You can enable **Slow Query Logs** and **SQL Explorer** for up to 10 free instances. There is no such a limit on paid instances. For details, see [Intelligent O&M Billing](#).

- **Billing Items**

Intelligent O&M billing includes basic pricing (only for paid instances) and additional fees.

- Pricing is listed on a per-hour basis, but bills are calculated based on the actual usage duration. Each partial hour consumed is billed as a full hour.
- Additional fees will be incurred by the extra space that DAS uses to store the excess data longer than 30 days if your database contains more than 5 GB of data.

For more information about the billing samples and the billing for each item, see [Billing Examples](#).

- **Viewing Bills**

You can choose **Billing Center** > **Billing** to check the instance transactions and bills. For details, see [Bills](#).

- **Arrears**

If there is not a sufficient account balance to pay for your bill, your account will go into arrears. If you want to continue using your cloud services, you will need to top up your account in a timely manner. For details, see [Arrears](#).

- **Stopping Billing**

If Intelligent O&M is no longer needed to store SQL data for a long time, you can change paid instances to free ones to avoid unnecessary fees. For details, see [Billing Termination](#).

2 Billing Modes

2.1 Intelligent O&M Billing

Advanced features of Intelligent O&M are officially billed from July 15, 2021, 00:00 GMT+08:00.

Billing Modes

Intelligent O&M supports both free and paid DB instances. It can store SQL data for different periods in the two billing modes. SQL data can be stored for 1 hour for free instances. For details about how long SQL data can be stored for paid instances, see [Billing Policy](#). This billing rule applies to both existing and new DB instances using Intelligent O&M. You can enable Slow Query Logs and SQL Explorer for up to 10 instances for free.

Billing

Table 2-1 Billing items

Billing Item	Basic Pricing for Paid Instances	Additional Pricing
Intelligent O&M	\$0.0118 USD/Instance/ Hour	Free storage up to 5 GB. Additional data billed at \$0.001 USD/GB/Hour

Billing Items

- Intelligent O&M billing includes basic pricing (only for paid instances) and additional fees.
- Pricing is listed on a per-hour basis, but bills are calculated based on the actual usage duration.
- Additional fees will be incurred by the extra space that DAS uses to store the excess data if your database contains more than 5 GB of data.

Billing Policy

Table 2-2 DBA Intelligent O&M (new version) billing policy

Level-1 Tab	Level-2 Tab	Free Instance	Paid Instance
Performance	-	√	√
SQL	Slow Query Logs	√ Up to 1 hour of data can be stored.	√ Up to 30 days of data can be stored. The storage space is billed for what you use.
	SQL Insights	√ Up to 1 hour of data can be stored.	√ Up to 180 days of data can be stored. The storage space is billed for what you use.
	SQL Diagnosis	√	√
	SQL Statement Concurrency Control	√	√
	Auto Flow Control	×	√
Locks & Transactions	Locks	√	√
	Historical Transactions	√ Up to 7 days of data can be stored.	√ Up to 7 days of data can be stored.
Storage Analysis	Disk Space Distribution, Top Databases and Tables by Physical File Size	√	√
	Tablespaces	×	√
Binlogs	-	√	√
Daily Reports	-	√	√

 **NOTE**

For details about the retention period of metric data, see [How Long Is Metric Data Retained?](#)

Table 2-3 DBA Intelligent O&M (old version) billing policy

Level-1 Tab	Level-2 Tab	Free Instance	Paid Instance
Performance	Performance History	√ Up to 7 days of data can be stored.	√ Up to 30 days of data can be stored.
	Performance Trends Comparisons	√ Up to 7 days of data can be stored.	√ Up to 30 days of data can be stored.
	Custom Graphs	√ Up to 7 days of data can be stored.	√ Up to 30 days of data can be stored.
SQL	Slow Query Logs	√ Up to 1 hour of data can be stored.	√ Up to 30 days of data can be stored. The storage space is billed for what you use.
	SQL Explorer	√ Up to 1 hour of data can be stored.	√ Up to 180 days of data can be stored. The storage space is billed for what you use.
	SQL Diagnosis	√	√
	SQL Statement Concurrency Control	√	√
Locks & Transactions	Locks	√	√
Binlogs	-	√	√
Daily Reports	-	√	√

2.2 Paid Instances

More advanced Intelligent O&M functions are available for paid instances. This section describes the billing rules for paid instances using Intelligent O&M.

Application Scenarios

Paid instances are suitable for scenarios where long-term monitoring on instance performance, SQL data, sessions, and locks and transactions is required.

Billing Items

The following table lists billing items of a paid instance.

NOTE

The billed items marked with asterisks (*) are mandatory.

Table 2-4 Billing item description

Billing Item	Unit Price	Billing Formula
Basic Pricing	\$0.0118 USD/Instance/Hour	Unit price of paid instances x Number of paid instances x Required duration
Additional Pricing	Free storage up to 5 GB. Additional data billed at \$0.001 USD/GB/Hour	Unit price of extra space x Extra space (GB) x Extra time NOTE Extra time refers to how long you have used any extra space.

Billed Usage Period

Paid instance usage is calculated by the hour and billed every hour. Each partial hour consumed is billed as a full hour. After the bill is generated, a new billing cycle starts. The billing starts when the instance is set as paid and ends when the instance is set as free.

For example, if you set an instance as paid at 8:45:30 and set it as free at 10:45:30, you are billed for 3 hours from 8:45:30 to 10:45:30.

Billing Examples

Suppose you set 15 instances as paid at 8:32:16 and changed them to free ones at 11:55:25 on April 18, 2023, you are billed for 4 hours from 8:32:16 to 11:55:25.

Figure 2-1 shows how the billing is calculated.

NOTICE

If the calculated cost is not a whole number, the cost is rounded up to the nearest two decimal places. If the price is less than \$0.01 USD (after rounding off), \$0.01 USD will be displayed.

Figure 2-1 Total price for a paid instance



Impact of Using Extra Storage Space

DAS provides 5 GB of free storage for each paid instance. You will be billed for any storage space in excess of that 5 GB.

For example, if you set an instance as paid at 09:00:00 and used storage space exceeded 5 GB at 16:45:00, two billing records will be generated for the period from 9:00:00 to 17:00:00.

- Basic pricing from 9:00:00 to 17:00:00
- Additional pricing from 16:00:00 to 17:00:00

Arrears Impact

Arrears Reminder

The system will bill you for pay-per-use instances after each billing cycle ends. If your account goes into arrears, we will notify you by email, SMS, or in-app message.

Impacts of Arrears

Your account goes into arrears if there is no valid payment method configured to pay your amount due. If your account is in arrears, paid instances continue providing services but free instances cannot be set as paid. You are still responsible for expenditures generated. You can view the charges on the **Billing Center > Overview** page and pay any past due balance as needed.

NOTE

For details about top-up, see [Topping Up an Account](#).

3 Billing Examples

Billing Scenario

Suppose you set 10 instances as paid on March 18, 2023, 08:00:00 and set another 6 instances as paid on March 18, 2023, 10:00:00. The SQL storage of these instances increased by 0.5 GB per hour. How much will the service cost between March 18, 2023, 16:00:00 and March 19, 2023, 00:00:00?

Billing Analysis

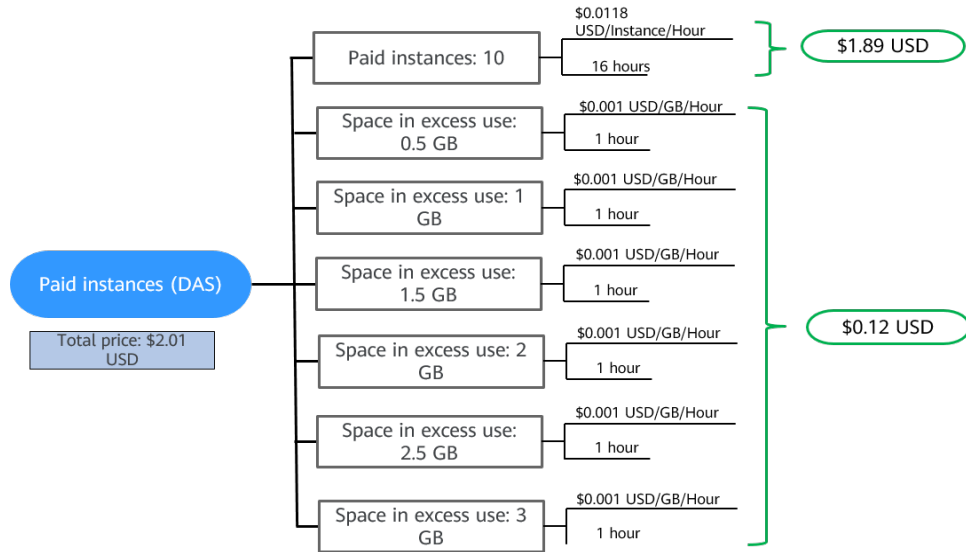
The total price can be calculated as follows.

- The first billing period:
 - March 18, 2023, 08:00:00 to March 19, 2023, 00:00:00
 - Instances: 10
 - Billing duration: 16 hours
 - March 18, 2023, 08:00:00 to March 19, 2023, 00:00:00
 - Extra space: 3 GB
 - Extra time: 6 hours
- The second billing period:
 - March 18, 2023, 10:00:00 to March 19, 2023, 00:00:00
 - Instances: 6
 - Billing duration: 14 hours
 - March 18, 2023, 10:00:00 to March 19, 2023, 00:00:00
 - Extra space: 2 GB
 - Extra time: 4 hours

Price for the first billing period

From March 18, 2023, 08:00:00 to March 19, 2023, 00:00:00, each paid instance was used for 10 hours and used an extra space of 5 GB, so the price would be calculated as follows:

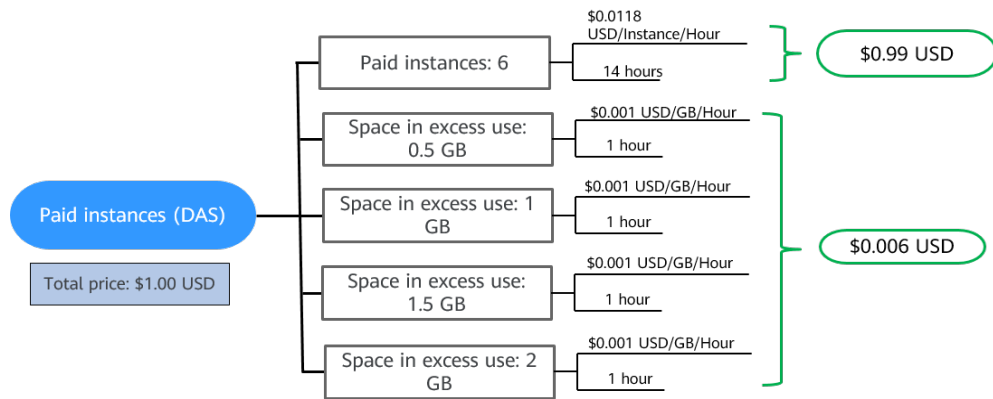
Figure 3-1 Price for the first ten instances set as paid



Price for the second billing period

From March 18, 2023, 10:00:00 to March 19, 2023, 00:00:00, each paid instance was used for 10 hours and used an extra space of 2 GB, so the price would be calculated as follows:

Figure 3-2 Price for the six instances set as paid



From 08:00:00 on March 18, 2023 to 00:00:00 on March 19, 2023, the total price for these instances is \$3.01 USD (2.01 + 1.00).

4 Bills

You can view the bills of paid instances on the **Bills** page in the Billing Center.

Bill Generation

A pay-per-use instance is billed by the hour, day, or month, depending on the instance's usage type. For details, see [Bill Run for Pay-per-Use Resources](#).

You are not billed immediately after a record is generated. For example, if a paid instance is changed to free at 08:30, you will not be billed for the period from 08:00 to 09:00 until about 10:00. On the **Billing Center > Billing > Transactions and Detailed Bills > Transaction Bills** page, **Expenditure Time** indicates the time when a pay-per-use instance is used.

Viewing Bills of a Specific Instance

Step 1 [Log in to the console](#).

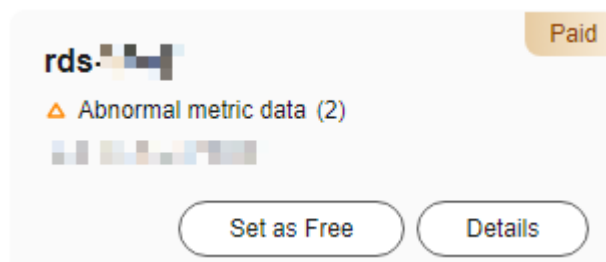
Step 2 On the top menu bar, choose **Databases > Data Admin Service**.

Step 3 In the navigation pane, choose **Intelligent O&M > Instance List**.

Alternatively, on the **Overview** page, click **Go to Intelligent O&M**.

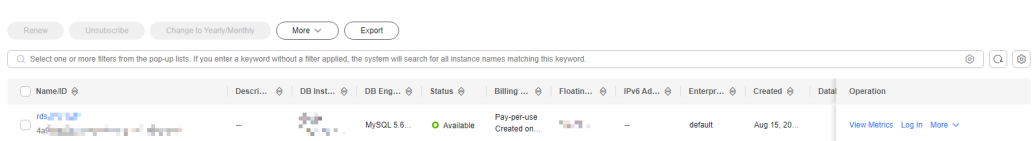
Step 4 Select the target instance (a paid instance) and copy the instance name with the following RDS instance as an example.

Figure 4-1 Paid instances




Step 5 On the **Instances** page of the RDS console, enter the copied instance name in the search box, and press **Enter**. On the displayed page, copy the ID of the instance.

Figure 4-2 Copying the instance ID



Step 6 On the top menu bar of the DAS console, choose **More > Billing**.

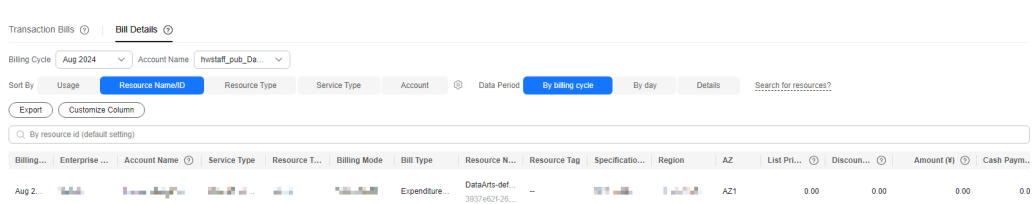
Step 7 Choose **Transactions and Detailed Bills > Bill Details**. On the displayed page, select **Resource ID** as the filter criteria, enter the obtained instance ID, and click the  icon.

 **NOTE**

An instance ID is in the format of **das.{region_code}.{instance_id}.0 or 1**.

- *region_code* indicates the region where the instance is deployed.
- *instance_id* indicates the ID of an instance.
- **0** indicates a base instance, and **1** indicates storage capacity.

Figure 4-3 Searching for a bill



By default, the bill details are displayed by usage and billing cycle. You can choose other display options as required. For details, see [Bills](#).

----End

Checking the Consistency of the Actual Usage and Billed Usage

Assume that you set an instance as paid at 10:09:00 and set it as free at 12:49:00 on April 8, 2023.

- Transaction records
Pay-per-use DAS instances are billed by second and are settled on the hour. You can check whether the information about each billing period in the transaction record is consistent with the actual information. For details, see [Table 4-1](#).

Table 4-1 DAS transaction records

Service Type	Data Admin Service (DAS)
Resource Type	Storage capacity

Billing Mode	Pay-per-use
Expenditure Time	For the period of time from 10:09:00 to 12:49:00 on April 8, 2023, 4 transaction records would be generated for the resource usage in the following periods: <ul style="list-style-type: none"> • April 08, 2023, 10:00:00 to April 08, 2023, 11:00:00 • April 08, 2023, 11:00:00 to April 08, 2023, 12:00:00 • April 08, 2023, 12:00:00 to April 08, 2023, 13:00:00
List Price	List price = Unit price x Required duration x Number of instances In this example, the usage of the paid instance in the first billing period is one hour. If the unit price is \$0.0118 USD/Instance/Hour, the list price is \$0.0118 USD (1 x 0.0118 x 1). Similarly, you can calculate the storage list price for the other periods.
Discounted Amount	Discounts offered for cloud services, for example, commercial discounts, partner authorized discounts, and promotional discounts. It is the discounted amount based on the list price.
Truncated Amount	However, the amount due is truncated to the 2nd decimal place. The third and later decimal places are referred to as the truncated amounts. Take the first period as an example. The truncated amount is \$0.001 USD.
Amount Due	Amount due = List price - Discount amount - Truncated amount Take the first period as an example. If the discount amount is 0, the amount due is \$0.011 USD (0.0118 - 0 - 0.001).

- Bill details
Bill details can display in multiple ways. By default, the bill details of a resource are displayed by usage and by billing cycle. You can check bill details by referring to [Table 4-2](#).

Table 4-2 DAS bill details

Service Type	Data Admin Service (DAS)
Resource Type	Storage capacity
Billing Mode	Pay-per-use
Resource Name/ID	Name and ID of a paid instance Example: DAS CloudDBA and das.cn-north-7.195d50ebf6f74e5f8bdd3487f421a6b5in01.0

Specifications	1 base instance
Usage Type	Duration
Unit Price	0.0118
Price Unit	\$xxx/instance/hour
Usage	Depends on the unit of the unit price, which is USD/GB/hour. Storage usage is billed by the hour. In this example, the total usage is 3 hours.
Usage Unit	Hour
List Price	List price on the official website = Usage x Unit price x Number of instances In this example, the usage is 3 hours. If the unit price is \$0.0118 USD/Hour, the list price is \$0.035 USD (3 x 0.0118 x 1).
Discounted Amount	Discounts offered for cloud services, for example, commercial discounts, partner authorized discounts, and promotional discounts. It is the discounted amount based on the list price.
Amount Due	Amount that should be paid for used cloud services after discounts are applied.

5 Arrears

If your configured payment method is unable to pay for your bill, your account will be in arrears. You need to update your payment method or to top up your account in a timely manner if you want to continue using Intelligent O&M.

Arrears Reason

Your account balance is insufficient.

Arrears Impact

Your account goes into arrears if there is no valid payment method configured to pay your amount due. In arrears, the paid instance continues rendering service but the free instances cannot be set as paid. You are still responsible for expenditures generated. You can view the charges on the **Billing Center > Overview** page and pay any past due balance as needed.

Avoiding and Handling Arrears

Make sure you have a valid payment method configured as soon as possible after your account is in arrears. For details, see [Topping Up an Account](#).

If Intelligent O&M is no longer needed to store SQL data for a long time, you can change paid instances to free instances to avoid unnecessary fees.

To help make sure your account never falls into arrears, you can configure the **Balance Alert** on the **Overview** page of the Billing Center. Then, any time an expenditure quota drops to below the threshold you specify, Huawei Cloud automatically notifies you by SMS or email.

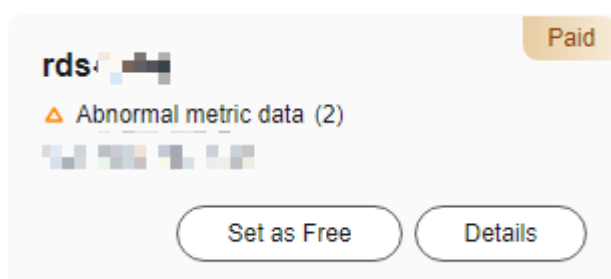
6 Billing Termination

If Intelligent O&M is no longer needed to store SQL data for a long time, you can change paid instances to free instances to avoid unnecessary fees.

Procedure

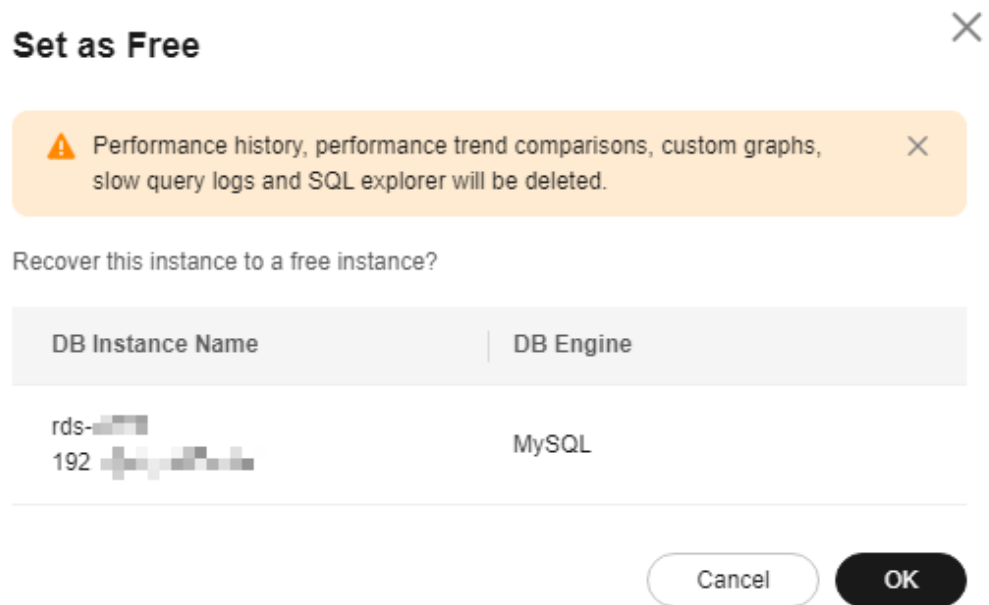
- Step 1** [Log in to the console](#).
- Step 2** On the top menu bar, choose **Databases > Data Admin Service**.
- Step 3** In the navigation pane, choose **Intelligent O&M > Instance List**.
Alternatively, on the **Overview** page, click **Go to Intelligent O&M**.
- Step 4** Select the target instance and click **Set as Free**.

Figure 6-1 Setting an instance as free



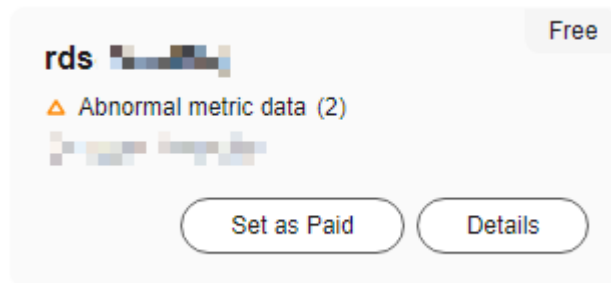
- Step 5** Confirm the information displayed in the dialog box and click **Yes**.

Figure 6-2 Confirming the information



Step 6 On the **Instance Overview** page, check whether the instance status changes to **Paid**.

Figure 6-3 Instance overview



----End