

Alibaba Cloud Apsara File Storage NAS

Pricing

Issue: 20190905

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Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 Danger: Resetting will result in the loss of user configuration data.
	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 Warning: Restarting will cause business interruption. About 10 minutes are required to restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 Note: You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
Bold	It is used for buttons, menus, page names, and other UI elements.	Click OK.
<code>Courier font</code>	It is used for commands.	Run the <code>cd / d C :/ windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[] or [a b]	It indicates that it is an optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
<code>{}</code> or <code>{a b}</code>	It indicates that it is a required value, and only one item can be selected.	<code>swich {stand slave}</code>

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1 Pricing

This topic describes billing items and billing methods for NAS. You can familiarize yourself with the pricing structure of NAS through this topic.

Billing items

NAS supports the subscription and pay-as-you-go billing methods. The two billing methods are both based on the used space of a file system.

Billing item	Calculation	
Used space	<p>Charges are incurred for the maximum used space of a file system within an hour. Used space indicates the total size of all files on a file system, excluding directories. The basic storage unit is 4 KB even if a file is less than 4 KB. For example, if the size of a file is 3 KB, the file will be stored in a storage unit of 4 KB.</p> <div>  <p>Note: NAS allocates extra space to a file system for backup. Therefore, charges for the extra space are added to the total cost of a file system.</p> </div>	

Billing methods

NAS supports the subscription and pay-as-you-go billing methods.

- **#unique_4:** Pay-as-you-go is a billing method that you can use to pay for a service after you use the service. Expenses incurred within an hour are deducted from the balance at the next hourly interval. For example, if you receive a bill at 9:30, the bill includes the expenses from 8:00 to 9:00. The basic billing unit is one hour. Each expense is paid by the hour even if the usage time of a file system is less than one hour.

**Note:**

Assume that you receive a bill at 9:30. However, the bill may only include the expenses from 7:00 to 8:00 due to a system delay.

- **Subscription (Storage Package):** After you purchase a storage package, it covers a specified amount of consumed resources that you use. A storage package is more cost-effective.

**Note:**

- If the used space of a file system exceeds the maximum capacity of a storage package, charges incurred for the extra space is paid by using the pay-as-you-go billing method.
- You can attach only one storage package to each file system.
- During the validity period of a storage package, you cannot downgrade the storage package.

For example, you purchase a storage package of 500 GB for File System A. During a period from 7:00 to 8:00, the maximum used space of File System A is 800 GB. Therefore, 500 GB of the total 800 GB is covered by the storage package. Charges incurred for the remaining 300 GB are paid by using the pay-as-you-go billing method.

For more information about the pricing structure of NAS, see [Pricing](#).

FAQ

- Are charges incurred after I activate NAS?

No, no charge is incurred if you only activate NAS.

- After you delete all data on a file system, the storage capacity of the file system is unchanged. However, you are still being charged for use of the storage capacity.

The used space of a file system is displayed on a bill and in the NAS console. The value of the used space only indicates the maximum storage capacity for the file system over the last hour. You need to wait a few minutes until the value changes.

2 Pay-as-you-go

This topic describes how to calculate pay-as-you-go charges incurred for NAS.

Billing cycle

Charges are incurred for the maximum used space of a file system within an hour and deducted from the balance at the next hourly interval. For example, if you receive a bill at 9:30, the bill includes the expenses from 8:00 to 9:00. The basic billing unit is one hour. Each expense is paid by the hour even if the usage time of a file system is less than one hour.



Notice:

Assume that you receive a bill at 9:30. However, the bill may only include the expenses of a period from 7:00 to 8:00 due to a system delay.

Billing formulas

Maximum used space of a file system within an hour \times unit price by the hour

3 Subscription

3.1 Purchase a storage package

Network Attached Storage (NAS) supports the subscription billing method. You can either create a file system and then attach a storage package or create a file system while you purchase a storage package.

Purchase a storage package

1. Log on to the [NAS console](#).
2. Choose NAS > File System List and click Buy Storage Package.
3. Complete the required configurations and click Buy Now.

After the payment is complete, click the target file system ID or name on the File System List page and the File System Details page is displayed.



Note:

You must attach a storage package to a file system. A file system can only have one storage package attached. You can select the ID of an existing file system or click Create new FS and bind package to create a new file system.

FAQ

- When will a storage package take effect?

A storage package takes immediate effect after it is purchased.

- Can I refund a storage package?

You can only refund a storage package that has never been consumed. For more information about refunds, submit a ticket to Alibaba Cloud Customer Services.

- What will happen after a storage package expires?

If you fail to renew a storage package after the storage package expires, you are charged for the used space by using the pay-as-you-go billing method.

- What will happen if the used space of a file system exceeds the maximum capacity of a storage package?

You are only charged for the space that exceeds the maximum capacity of the storage package. The excess space is charged by using the pay-as-you-go billing method.

For example, you purchase a storage package of 100 GB. However, the actual used space exceeds the specified maximum capacity. The space that exceeds 100 GB is charged by using the pay-as-you-go billing method.

- Can I purchase multiple storage packages for a file system?

No. You can only attach one storage package to a file system. If you want a storage package with a higher specification or longer duration, you can [upgrade a storage package](#).

- Is the storage capacity of a file system limited by the capacity of a storage package?

No. The storage capacity of a file system is not affected by the capacity of a storage package. You are charged for the space that exceeds the maximum capacity of a storage package by using the pay-as-you-go billing method.

For example, you create an NAS Performance file system with a maximum capacity of 10 PB and attach a storage package of 5 GB. The maximum capacity of the file system is still 10 PB.

- How can I detach a storage package?

After a storage package is attached to a file system, you must delete the file system before detaching the package.

- How can I attach a storage package to another file system when it has already been attached to a file system?

After a storage package is attached to a file system, you must delete the file system that has your storage package attached before detaching the package to another file system.

3.2 Upgrade a storage package

You can upgrade your existing storage package if you require a storage package with a higher specification.

Procedure

1. Log on to the [NAS console](#).
2. Choose **NAS > File System List**, find the target file system, and click **Manage**.
3. In the **Storage Package** section, click **Upgrade**.

Basic Information

Delete File System

File System ID:

Region: China East 1 (Hangzhou)

Zone: China East 1 Zone F

Storage Type: SSD performance-type

Protocol Type: NFS (NFSv3 and NFSv4.0)

File System Usage: 0 B

Created On: 2019-07-03 13:36:14

Storage Package

ID:

Capacity: 5.00 GB

Upgrade

Started At: 2019-08-19 10:05:55

Valid Until: 2019-09-20 00:00:00

Renew



Note:

- You can upgrade the specification of a storage package. However, you cannot downgrade the specification of a storage package.
- You can upgrade a storage in the NAS console without affecting the mounted file systems.
- You cannot upgrade a storage package for a NAS Extreme file system.

4. On the **Change Configuration** page, select the required capacity to display its corresponding price.

You can upgrade the specification of a storage package to a minimum of 500 GB and a maximum of 200 TB.

5. Confirm the information and select **NAS Package Agreement of Service**.
6. Click **Pay** and follow the instructions to complete the payment.

4 Outstanding balance

This topic describes when an outstanding balance exists in NAS. It also describes the next steps to perform.

Scenarios

An outstanding balance occurs when you encounter the following issues in NAS:

- You have purchased a storage package. However, the used space of a file system exceeds the quota of the storage package and the balance of the current account is insufficient.
- The balance of the current account is insufficient and no storage package is available.

Precautions

If the NAS service is in arrears, take note of the following:

- If you fail to pay the outstanding balance within 24 hours, your NAS service will stop. The storage space that you occupy will still incur charges within the 24 hours , and the outstanding balance will continue to increase.
- We recommend that you pay the outstanding balance within 24 hours to ensure business continuity.
- If you fail to pay the outstanding balance within 24 hours, your NAS service will stop. If you add funds to pay the outstanding balance within 15 days, NAS is restarted.
- If you fail to pay the outstanding balance within 15 days, all resources are released and related data is lost.