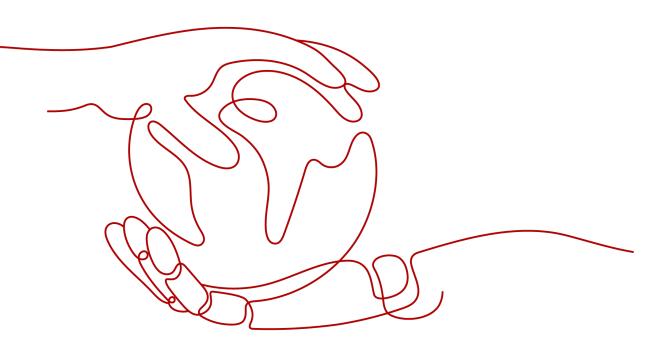
Scalable File Service Turbo

Service Overview

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What Is SFS Turbo?

Overview

Scalable File Service Turbo (SFS Turbo) provides scalable, high-performance (NAS) file storage. With SFS Turbo, you can enjoy shared file access spanning multiple Elastic Cloud Server (ECSs), Bare Metal Servers (BMSs), and containers created on Cloud Container Engine (CCE), as shown in Figure 1-1.

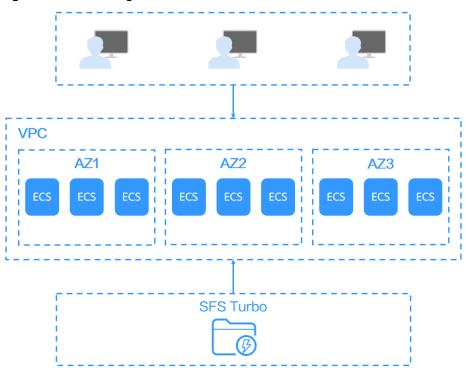


Figure 1-1 Accessing SFS Turbo

Compared with traditional file storage, SFS Turbo has the following advantages:

• File sharing

Cloud servers in multiple availability zones (AZs) of the same region can access the same file system concurrently and share files.

• Elastic scaling

The file system storage can be scaled up on demand to dynamically adapt to service changes without interrupting applications. You can complete resizing with a few clicks.

• Superior performance and reliability

File system performance increases as capacity grows, and file systems deliver a high data durability to support rapid service growth.

The background system supports both HDD and SSD storage media. It adopts a distributed architecture and uses full redundant design for modules, which eliminate single-node faults.

• Seamless integration

SFS Turbo supports Network File System (NFS), through which a broad range of applications can read data from and write data into file systems.

• Easy operation

On an intuitive graphical user interface (GUI), you can create and manage file systems with ease.

Accessing SFS Turbo

You can access SFS Turbo on the console or through HTTPS-based API calls.

APIs

Use APIs if you need to integrate SFS Turbo into a third-party system for secondary development. For detailed operations, see *Scalable File Service Turbo API Reference*.

Console

Use the console if you prefer a web-based UI to perform operations.

2 Application Scenarios

Expandable to 320 TB, SFS Turbo provides fully hosted shared file storage. It features high availability and durability to support massive small files and applications requiring low latency and high IOPS. SFS Turbo is recommended for various scenarios, including high-performance websites, log storage, compression and decompression, DevOps, enterprise OA, and containerized applications.

• High-performance websites

For I/O-intensive website services, SFS Turbo can provide shared website source code directories for multiple web servers, enabling low-latency and high-IOPS concurrent share access.

Log storage

SFS Turbo can provide multiple service nodes for shared log output directories, facilitating log collection and management of distributed applications.

• DevOps

The development directory can be shared to multiple VMs or containers, simplifying the configuration process and improving R&D experience.

• Enterprise OA

Office documents of enterprises or organizations can be saved in an SFS Turbo file system for high-performance shared access.

3 File System Types

This section describes the features, highlights, and application scenarios of different types of SFS Turbo file systems.

Para mete r	20 MB/s/ TiB	40 MB/s/TiB	125 MB/s/TiB	250 MB/s/TiB	500 MB/s/TiB	1,000 MB/s/TiB
Max. band width	8 GB/s	8 GB/s	20 GB/s	20 GB/s	80 GB/s	80 GB/s
Max. IOPS	250,00 0	250,000	1 million	1 million	1 million	1 million
Singl e- queu e, 4 KiB laten Cy	2–5 ms	2–5 ms	1–3 ms	1-3 ms	1-3 ms	1–3 ms
Capa city	3.6 TB to 1 PB	1.2 TB to 1 PB	1.2 TB to 1 PB	1.2 TB to 1 PB	1.2 TB to 1 PB	1.2 TB to 1 PB
Medi um Type	HDD	HDD	SSD	SSD	ESSD	ESSD
Highl ights	Large capacit y and low cost	Large capacity and low cost	Low latency and cost effectivenes s	Low latency and cost effectiven ess	High IOPS and high- density performanc e	High IOPS and high- density performa nce

Table 3-1 SFS Turbo file systems

Typic al scena rios	Log storage , file sharing , conten t manag ement, and websit es	Log storage, file sharing, content manage ment, and websites	Al training, autonomou s driving, EDA simulation, rendering, enterprise NAS, and HPC web application s	Al training, autonomo us driving, EDA simulatio n, rendering, enterprise NAS, and HPC web applicatio ns	Large-scale AI training, AI models, and AI generated content	Large- scale AI training, AI models, and AI generate d content
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Table 3-2 Previous-generation	SFS Turbo	file systems
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Parameter	Standard	Standard- Enhanced (Discontinue d)	Performance	Performance- Enhanced (Discontinue d)
Max. bandwidth	150 MB/s	1 GB/s	350 MB/s	2 GB/s
Max. IOPS	5,000	15,000	20,000	100,000
Single-queue, 4 KiB latency	2–5 ms	2–5 ms	1–3 ms	1–3 ms
Capacity	500 GB to 32 TB	10 TB to 320 TB	500 GB to 32 TB	10 TB to 320 TB
Medium Type	HDD	HDD	SSD	SSD
Highlights	Large capacity and low cost		Low latency an	d high IOPS
Typical scenarios	Code storage, log storage, file sharing, and enterprise OA			J. J.

NOTE

- In the table, the maximum IOPS and maximum bandwidth all include both the read and write operations. So, maximum IOPS = read IOPS + write IOPS.
- The minimum expansion increment of SFS Turbo Standard-Enhanced (discontinued), Standard, Performance-Enhanced (discontinued), and Performance file systems is 100 GB. The minimum expansion increment of 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, or 1,000 MB/s/TiB file systems is 1.2 TB, and the new capacity must be an integral multiple of 1.2.



You can encrypt data on the newly created file systems if needed.

Keys used by encrypted file systems are provided by the Key Management Service (KMS), which is secure and convenient. You do not need to establish and maintain the key management infrastructure. If you want to use your own key material, use the key import function on the KMS console to create a custom key whose key material is empty and import the key material to the custom key. For details, see **Importing Key Materials** in the *Key Management Service User Guide*.

You can directly use the encryption function when creating SFS Turbo file systems. No authorization is required.

Encryption Key

An SFS Turbo file system does not have a default key. You can use your existing key or create a new key. For details, see section "Creating a Custom Key" in the *Data Encryption Workshop User Guide*.

5 SFS Turbo and Other Services

Relationships Between SFS Turbo and Other Services

Function	Related Service	Reference
A file system and the ECSs must belong to the same project. File systems are mounted to shared paths for data sharing.	Elastic Cloud Server (ECS)	Mounting an NFS File System to ECSs (Linux)
VPC provisions an isolated virtual network environment defined and managed by yourself, improving the security of cloud resources and simplifying network deployment. An ECS cannot access file systems in a different VPC. Before using SFS Turbo, ensure that the file system and ECSs are in the same VPC.	Virtual Private Cloud (VPC)	Creating a File System
IAM is an enterprise-level self-service cloud resource management system. It provides user identity management and access control functions. When employees in your enterprise need to use SFS Turbo, the enterprise administrator can use IAM to create users and control these users' permissions on enterprise resources.	Identity and Access Management (IAM)	Permissions
File system encryption depends on KMS. You can use the keys provided by KMS to encrypt file systems to improve data security.	Key Management Service (KMS) of Data Encryption Workshop (DEW)	Encryption

 Table 5-1 Related services

Function	Related Service	Reference
Once you have subscribed to SFS Turbo, you can monitor its performance without installing any plug-ins and view monitored metrics, such as the read bandwidth, write bandwidth, and read and write bandwidth on Cloud Eye.	Cloud Eye	Monitoring
CTS allows you to collect, store, and query cloud resource operation records and use these records for security analysis, compliance auditing, resource tracking, and fault locating. With CTS, you can record operations associated with SFS Turbo for later query, audit, and backtrack operations.	Cloud Trace Service (CTS)	Auditing
You can use tags to classify and identify file systems.	Tag Management Service (TMS)	Тад

6 Basic Concepts

6.1 SFS Turbo Basic Concepts

Before you start, understand the following concepts.

File System

A file system provides users with shared file storage through NFS. It is used for accessing network files remotely. After you create a file system on the console, you can mount the file system on multiple servers and access the file system from the servers through the standard POSIX.

POSIX

Portable Operating System Interface (POSIX) is a set of interrelated standards specified by Institute of Electrical and Electronics Engineers (IEEE) to define the application programming interface (API) for software compatible with the UNIX operating system (OS). POSIX is intended to achieve software portability at the source code level so that a program written for a POSIX compatible OS can be compiled and executed on any other POSIX OS.

NFS

Network File System (NFS) is a distributed file system protocol that allows different computers and OSs to share data over a network.

6.2 Project and Enterprise Project

Project

A project is used to group and isolate OpenStack resources, such as compute, storage, and network resources. A project can be a department or a project team. Multiple projects can be created for one account.

Enterprise Project

An enterprise project manages multiple resource instances by category. Resources and projects in different cloud service regions can be classified into one enterprise project. An enterprise allows you to classify resources based on departments or project groups and put relevant resources into the same enterprise project for management.

6.3 Region and AZ

What Are Region and AZ?

A region and an availability zone (AZ) identify the location of a data center. You can create resources in a specific region and AZ.

- Regions are divided based on geographical location and network latency. Public services, such as Elastic Cloud Server (ECS), Elastic Volume Service (EVS), Object Storage Service (OBS), Virtual Private Cloud (VPC), Elastic IP (EIP), and Image Management Service (IMS), are shared within the same region. Regions are either universal or dedicated. A universal region provides universal cloud services for common tenants, while a dedicated region provides services of the same type only or for specific tenants.
- An AZ contains one or more physical data centers. Each AZ has independent cooling, fire extinguishing, moisture-proof, and electricity facilities. Within an AZ, compute, network, storage, and other resources are logically divided into multiple clusters. to support high-availability systems.

Selecting a Region

If your target users are in Europe, select the **EU-Dublin** region.

Selecting an AZ

When deploying resources, consider your applications' requirements on network latency.

For lower network latency, deploy resources in the same AZ.

7 Notes and Constraints

Naming

Table 7-1 Naming

ltem	Description
SFS Turbo file system name	A file system name can contain only letters, digits, underscores (_), and hyphens (-). It must start with a letter and can contain 4 to 64 characters.

Specifications

Table 7-2 Specifications

Item	Description
Max. size of a single file	 Standard, Standard-Enhanced (discontinued), Performance, and Performance-Enhanced (discontinued): 16 TB
	 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB: 320 TB

Item	Description
Max. number of files or subdirectories in a file system	 Standard, Standard-Enhanced (discontinued), Performance, and Performance-Enhanced (discontinued): 1 billion NOTE The number of files or subdirectories allowed in a single file system is calculated by dividing the total capacity (KB) by 16. If the calculated value is greater than 1 billion, the 1 billion cap is used. 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB: 2 billion NOTE The number of files or subdirectories allowed in a single file system is calculated by multiplying the total capacity (GB) with 25,000. If the calculated value is greater than 2 billion, the 2 billion cap is used.
Max. number of files or subdirectories in a single directory	20 million NOTE If you need to execute the ls , du , cp , chmod , or chown command on a directory, you are advised to place no more than 500,000 files or subdirectories in that directory. Otherwise, requests may queue for a long time as the NFS protocol needs to send a large number of requests to traverse files in the directory.
Max. directory depth	100
Max. path length	 Standard, Standard-Enhanced (discontinued), Performance, and Performance-Enhanced (discontinued): 1,024 bytes 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB: 4,096 bytes
Max. soft link length	1,024 bytes
Max. hard link length	255 bytes
Max. number of file systems	32 by default. You can submit a service ticket to increase the quota.

Operations

Table 7-3 Operations

Operation	Item	Description
Creating an SFS Turbo file system	Supported protocols	NFSv3 only

Operation	Item	Description
	Max. capacity of a file system	 Standard and Performance: 32 TB Standard-Enhanced (discontinued) and Performance-Enhanced (discontinued): 320 TB 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB: 1 PB
	Max. number of SFS Turbo file systems allowed	An account can create a maximum of 20 file systems in a region.
	SFS Turbo file system creation from backups	 Standard, Standard-Enhanced (discontinued), Performance, Performance-Enhanced (discontinued), 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB: supported
	File locking with Flock	Not supported
	Cache acceleration	 Standard, Standard-Enhanced (discontinued), Performance, and Performance-Enhanced (discontinued): not supported 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB: supported. (Only eventual consistency is supported. If you need to disable the function, submit a service ticket.) NOTE When multiple clients access the same
		file system, access requests of a client may be routed to different backends. Eventual consistency means that if a request hits a backend's local cache, it will fail to obtain the modifications made by other clients. Cache is normally valid for 3 to 30 seconds.
	Max. number of authorized VPCs that can be added for a file system	20

Operation	Item	Description
Mounting an SFS Turbo file system	Max. number of clients that a file system allows	 Standard, Standard-Enhanced (discontinued), Performance, and Performance-Enhanced (discontinued): 500 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB: 3,000
Accessing an SFS Turbo file system	Access methods	VPN, Direct Connect, and Cloud Connect
Expanding and	Capacity expansion	Supported
reducing the capacity of an	Capacity reduction	Not supported
SFS Turbo file system	New capacity value range	 Standard–Enhanced (discontinued), Standard, Performance–Enhanced (discontinued), and Performance: The expansion increment is 100 GB. A Standard or Performance file system can be expanded to up to 32 TB, and a Standard-Enhanced or Performance-Enhanced file system can be expanded to up to 320 TB. 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/ TiB, and 1,000 MB/s/TiB: The expansion increment is 1.2 TB, and the new capacity must be an integer multiple of 1.2 TB and no more than 1 PB.
Backing up an SFS Turbo file system	File system backup	 Standard, Standard-Enhanced (discontinued), Performance, Performance-Enhanced (discontinued), 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB: supported
	Billing mode	If you create an SFS Turbo file system from a backup, you can only choose pay-per-use billing.
Unmounting an SFS Turbo file system	Unmount prerequisites	Processes and read and write operations are stopped.

Operation	Item	Description
Deleting an SFS	Deletion prerequisites	The desired file system is unmounted.
Turbo file system	Prerequisites of deleting a pay-per- use SFS Turbo file system	The status of the desired file system is Available or Unavailable .
	Prerequisites of unsubscribing from a yearly/monthly SFS Turbo file system	The status of the desired file system is Available or Unavailable .
Adding a tag	File system tagging	Supported
	Number of tags	You can add a maximum of 20 tags to an SFS Turbo file system.
	Tag key	 When you add a tag, the tag key is mandatory and cannot be left blank. Tag keys of an SFS Turbo file system must be unique.
	Tag editing after file system creation	Supported

Performance

Table 7-4 Performance

ltem	Description
Max. bandwidth	• Standard: 150 MB/s
	Standard-Enhanced (discontinued): 1 GB/s
	Performance: 350 MB/s
	Performance-Enhanced (discontinued): 2 GB/s
	 20 MB/s/TiB and 40 MB/s/TiB: 8 GB/s (You can submit a service ticket to get up to 20 GB/s of throughput.)
	 125 MB/s/TiB and 250 MB/s/TiB: 20 GB/s (You can submit a service ticket to get up to 100 GB/s of throughput.)
	 500 MB/s/TiB and 1,000 MB/s/TiB: 80 GB/s (You can submit a service ticket to get up to 200 GB/s of throughput.)
	NOTE The read/write speed is affected by the number of clients that mount the file system. For details, see How Do I Make the Most Out of My SFS Turbo File System?

ltem	Description	
Max. IOPS	• Standard: 5,000	
	 Standard-Enhanced (discontinued): 15,000 	
	Performance: 20,000	
	Performance-Enhanced (discontinued): 100,000	
	• 20 MB/s/TiB and 40 MB/s/TiB: 250,000	
	• 125 MB/s/TiB and 250 MB/s/TiB: 1 million	
	 500 MB/s/TiB and 1,000 MB/s/TiB: 4 million (You can submit a service ticket to get up to 10 million of IOPS.) 	
Min. latency	 Standard, Standard-Enhanced (discontinued), Performance, Performance-Enhanced (discontinued), 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB: 1–2 ms 	

8 Billing

Billing Items

Pay-per-use billing is preset by default. You are billed based on the storage capacity that you select (instead of the used capacity) and the amount of time that you use the file system. Usage period is calculated at the top of every hour. Any usage period of less than an hour is rounded up to an hour. For details, see Table 8-1.

 Table 8-1
 SFS Turbo billing model

Billing Item	Billing Factor
Standard, Standard-Enhanced (discontinued), Performance, Performance-Enhanced (discontinued), 20 MB/s/TiB, 40 MB/s/TiB, 125 MB/s/TiB, 250 MB/s/TiB, 500 MB/s/TiB, and 1,000 MB/s/TiB	Storage space

Billing Modes

SFS Turbo supports the following billing modes: pay-per-use and yearly/monthly.

Changing Billing Mode

- Yearly/monthly is a prepaid billing mode. You will be billed based on the subscription duration you specify. This mode provides a favorable price and is ideal when the resource use duration is predictable.
- Pay-per-use is a postpaid billing mode. You will be billed based on the billing items of specific file systems and can purchase or delete file systems at any time. Expenditures are deducted from the account balance.

In some regions, you can change your pay-per-use SFS Turbo file systems to yearly/monthly billing. Changing from yearly/monthly billing to pay-per-use is currently not supported.

Expiration

After a yearly/monthly SFS Turbo file system expires, the system will not automatically change it to pay-per-use billing, but processes it based on the rules specified in **Resource Suspension and Release**. If the file system is not renewed before the retention period expires, it will be deleted.

Overdue Payment

Possible causes of overdue payment:

You have created a pay-per-use SFS Turbo file system and your account balance is not enough to pay for the generated pay-per-use charges.

Service status and operation restrictions when an account is in arrears:

Your SFS Turbo file systems are retained after your account is in arrears and the file systems enter the retention period, but you cannot use the file systems. If the outstanding payment is not cleared before the retention period ends, data stored in the file systems will be deleted and cannot be recovered.

For details about the retention period, see **Service Suspension and Resource Release**.

9 Permissions

If you need to assign different permissions to employees in your enterprise to access your SFS Turbo resources on Huawei Cloud, Identity and Access Management (IAM) is a good choice for fine-grained permissions management. IAM provides identity authentication, permissions management, and access control, helping you to securely access your Huawei Cloud resources.

With IAM, you can use your Huawei Cloud account to create IAM users, and assign permissions to the users to control their access to specific resources. For example, some software developers in your enterprise need to use SFS Turbo resources but should not be allowed to delete the resources or perform any other high-risk operations. In this scenario, you can create IAM users for the software developers and grant them only the permissions required for using SFS Turbo resources.

If your Huawei Cloud account does not require individual IAM users for permissions management, skip this section.

IAM is a free service. You only pay for the resources in your account. For more information about IAM, see **IAM Service Overview**.

SFS Turbo Permissions

New IAM users do not have any permissions assigned by default. You need to first add them to one or more groups and then attach policies or roles to these groups. The users then inherit permissions from the groups and can perform specified operations on cloud services based on the permissions they have been assigned.

You can grant permissions by using roles and policies.

- Roles: A coarse-grained authorization strategy that defines permissions by job responsibility. Only a limited number of service-level roles are available for authorization. When using roles to grant permissions, you need to also assign other roles on which the permissions depend to take effect. However, roles are not ideal for fine-grained authorization and least privilege access.
- Policies: A fine-grained authorization strategy 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. For example, you can grant users only permission to manage a certain type of ECSs. Most policies define permissions based on APIs. For the API actions supported by SFS Turbo, see section "Permissions Policies and Supported Actions" in the *Scalable File Service API Reference*.

Table 9-1 lists all the system-defined permissions for SFS Turbo.

Policy/Role Name	Description	Туре	Dependencies
SFS Turbo FullAccess	Administrator permissions for SFS Turbo. Users with these permissions can perform any operation on all SFS Turbo resources under the account.	System-defined policy	None
SFS Turbo ReadOnlyAccess	Read-only permissions for SFS Turbo. Users with these permissions can only view SFS Turbo data.	System-defined policy	None

Table 9-1 System-defined	permissions for SFS Turbo
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Table 9-2 lists the common operations supported by system-defined policies for SFS Turbo.

Table 9-2 Common operations supported by each system-defined policy of SFS Turbo

Operation	SFS Turbo FullAccess	SFS Turbo ReadOnlyAccess
Grants permission to query SFS Turbo file systems.	Supported	Supported
Grants permission to query tags of an SFS Turbo file system.	Supported	Supported
Grants permission to query SFS Turbo quotas.	Supported	Supported
Grants permission to list SFS Turbo file systems.	Supported	Supported
Grants permission to query the SFS Turbo file system types.	Supported	Supported

Operation	SFS Turbo FullAccess	SFS Turbo ReadOnlyAccess
Grants permission to query the AZ information of the current region.	Supported	Supported
Grants permission to check SFS Turbo file system names.	Supported	Not supported
Grants permission to delete tags from an SFS Turbo file system.	Supported	Not supported
Grants permission to expand capacities of SFS Turbo file systems.	Supported	Not supported
Grants permission to create SFS Turbo file systems.	Supported	Not supported
Grants permission to add a tag to an SFS Turbo file system.	Supported	Not supported
Grants permission to delete SFS Turbo file systems.	Supported	Not supported
Grants permission to batch add tags to an SFS Turbo file system.	Supported	Not supported

Role/Policy Dependencies of the SFS Turbo Console

Console Function	Dependent Services	Role/Policy Required
Creating a file system	Billing CenterFullAccess policy already inclu permissions of VPC FullAccess are required for creating file sy IAM user assigned the SFS Tur Access policy does not need to VPC FullAccess policy assigne explicitly.ECSTo create yearly/monthly file s the BSS Administrator policy required.To create file systems in dedica projects, the DSS FullAccess a	 FullAccess policy already include the permissions of VPC FullAccess, which are required for creating file systems. An IAM user assigned the SFS Turbo Full Access policy does not need to have the VPC FullAccess policy assigned explicitly. To create yearly/monthly file systems, the BSS Administrator policy is
		• To create file systems in dedicated projects, the DSS FullAccess and ECS FullAccess policies are required.
Querying file system details	VPC	 The permissions of the SFS Turbo ReadOnlyAccess policy already include the permissions of VPC ReadOnlyAccess, which are required for querying file system details. An IAM user assigned the SFS Turbo ReadOnlyAccess policy does not need to have the VPC ReadOnlyAccess policy assigned explicitly.

Table 9-3 Role/Policy dependencies of the SFS Turbo console

Helpful Links

- IAM Service Overview
- https://support.huaweicloud.com/eu/usermanual-sfsturbo/ sfsturbo_01_0032.htmlCreating a User and Granting SFS Turbo Permissions

10 Supported OSs

 Table 10-1 lists the OSs that have passed the compatibility test.

Туре	Version	
CentOS	CentOS 5, 6, and 7 for x86	
Debian	Debian GNU/Linux 6, 7, 8, and 9 for x86	
Oracle	Oracle Enterprise Linux 5, 6, and 7 for x86	
Red Hat	Red Hat Enterprise Linux 5, 6, and 7 for x86	
SUSE	SUSE Linux Enterprise Server 10, 11, and 12 for x86	
Ubuntu	Ubuntu 14.04 and later	
EulerOS	EulerOS 2	
Fedora	Fedora 24 and 25	
OpenSUSE	OpenSUSE 42	

Table	10-1	Supported OSs
		Supported 000