

# To và s dng storage gateway

## 1. To storage gateway

Trên trang service ca vngcloud phn Object Storage chn **storage gateway**

The screenshot shows the VNG Cloud Services dashboard. At the top, it says "VNG Cloud Services" and "Welcome back! Choose one of our services here and start now!". There are three main service cards:

- vCDN - Media service:** Includes options like Web Download, Live CDN, VOD, Next vCDN, Live channel, and Channel Apps.
- Compute:** Includes Overview, vServer, Firewall, Load Balancer, Auto-scaling, and vVPC.
- Object Storage:** Includes vStorage and vColdStorage. The "Storage Gateway" option is highlighted with a red box.

Trong trang overview chn Go to vMarketplace

The screenshot shows the VNG Storage Gateway overview page. It has a blue header with the VNG logo and the text "VNG Storage Gateway". Below the header, there is a section titled "WHAT IS VNG Storage Gateway?" with a brief description and instructions on setting up credentials and file shares. Another section titled "HOW SHOULD I START" provides basic steps to start. A screenshot of the vMarketplace interface is shown, with a "Go to vMarketplace" button highlighted in red.

Sau ó lauch VM và chn cu hình phù hp

The screenshot shows the Storage Gateway application page in vMarketplace. It features a "Storage Gateway" title, version "1.0", and category "NETWORKING". A "LAUNCH ON COMPUTE ENGINE" button is visible. Below the title, there are navigation links for "DESCRIPTION", "PRICING", "USAGE", and "SUPPORT".

**Description**

The Storage Gateway is an application that run on VM of VNG Cloud or on-premise cloud. The Storage Gateway includes three primary components:

- S3ql is open source allowing to mount a container on the vStorage as a local directory on VM by s3/swift. S3ql can configure to use local storage of the VM for caching purpose to improve vStorage performance.
- NFS/CIFS/SMB is the share file protocol and they will be used with the mounted directory upper by sharing with nfs-server (nfs) or samba server (smb/cifs). There are two permissions defined:  
**Read-only:** only allow user to read data of the mounted directory  
**Read-write:** user has full rights on the mounted directory
- Storage Gateway web application: is a web application that provided by VNG Cloud. It allows customers to use web interface to configurate information such as credential (s3/swift), file share, users and rights ...

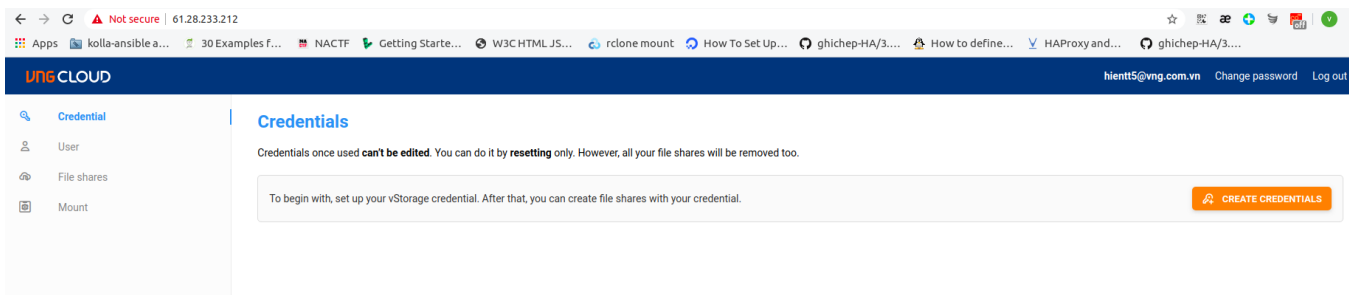
**Info**

|          |                           |
|----------|---------------------------|
| CATEGORY | Networking                |
| VERSION  | 1.0                       |
| OS       | Other storage-gateway-1.0 |

**Pricing**

The price of the Storage Gateway application is calculated as the price of vServer.

Dùng browser truy cp vào WAN IP ca VM ã to: ng nhp vi tài khon c gi v email ng ký vngcloud (In ng nhp u tiên s i li password mc nh)



\* Lưu ý: Security Groups cần thêm các port sau share cloud liu:

- port web: 80,443
- port share:
  - + port 445,139: dùng SMB
  - + port 111,2049,34567: dùng NFS

## 2. To file share

### 2.1 To credential

**Credential cần create credentials:**

Trong đó:

- Region: region của project vstorage lấy trên portal
- Project ID: lấy trên portal
- Provider: chọn S3 hoặc Swift

Nếu dùng Swift

- + username: thông tin vstorage trong mail lúc tạo vstorage trước
- + password: trong mail

Dùng S3:

- + Access key: lấy trên portal
- + Secret key: lấy trên portal

[Hướng dẫn S3 key](#)

### 2.2 To file share

## Chn file share ri chn create file share

← [Create file share](#) CREATE

Finish the following fields to create file share.

**VOLUME INFORMATION**

vStorage Credential:  Your credential once used can't be edited. Check it clearly before creating file share.

Container:

**PERMISSION**

NFS  SMB

Add client's IP address and permissions

Client:  Export as:  Read - Write  Read Only

[+ ADD CLIENT](#)

**ADVANCED SETTING**

Use cache:  Disk size:

### Chú thích:

- vStorage Credential: chn credential ã to bên trên
- Container: list container trong project credential
- cache: s dng local dish làm cache tng hieu sut (mc nh là 1GB)
- client: h tr nfs và smb
  - + nfs: s dng ip phân quyn, nhp ip và chn qyn tng ng
  - + smb: chon user ã to user

### Nhn create và i hoàn tt

**File shares**

Search..  [CREATE FILE SHARE](#) DELETE  Refresh

| CONTAINER NAME                                                            | CREDENTIAL NAME | CLIENTS                        | MOUNT & USE                   | STATUS                   |
|---------------------------------------------------------------------------|-----------------|--------------------------------|-------------------------------|--------------------------|
| <input type="checkbox"/> demo<br>NFS · SMB<br>Use cache (20 GB disk size) | demo            | 1 NFS clients<br>1 SMB clients | <a href="#">SHOW COMMANDS</a> | Active <a href="#">✎</a> |

Total: 1 1 Show: 10

### Có th xem thêm thông tin mount trong **Mount**

**UNG CLOUD** hient5@vng.com.vn Change password Log out

Credential  
User  
File shares  
**Mount**

**Mount status**

Search..  Refresh

| NO. | CREDENTIAL NAME | CONTAINER NAME | STATUS                     |
|-----|-----------------|----------------|----------------------------|
| 1   | demo            | demo           | Active <a href="#">LOG</a> |

Total: 1 1 Show: 10

## 3. Client kt ni và s dng file share

### 3.1 Client nfs

Trên máy linux, m terminal gõ lnh: `apt install nfs-common`

Trên UI gateway File Share -> Show Commands -> nfs -> copy -> dán lnh vào terminal client

## 3.2 Client smb

Trên window: Trên UI gateway **File Share -> Show Commands -> smb -> window -> copy -> dán vào search ca window -> nhp user/password**

Trên máy linux, cài dt client: *apt install cifs-utils*

Trên UI gateway **File Share -> Show Commands -> smb -> window -> copy -> dán vào terminal -> nhp user/password**