Batch Quota Configuration Tool User Guide

# Before You Start

[Restrictions]

1. To use the tool, you must manually enable the function of creating quotas for non-empty directories.

1. Run the **cd /opt/product/snas/sbin** command to go to the directory where the script is stored and then run the **./NonEmptyDirSetQuotaSwitch.sh on** command.
2. Run the **./nas\_quotascan\_user.sh show** command and check whether the value of **switch** is **1**. If the value is **0**, run the **./nas\_quotascan\_user.sh switch 1** command to change it to **1**.
3. Run the **./nas\_quotascan\_user.sh setparam -u 30** command.

2. The tool can be used to create quotas only for AD domain users.

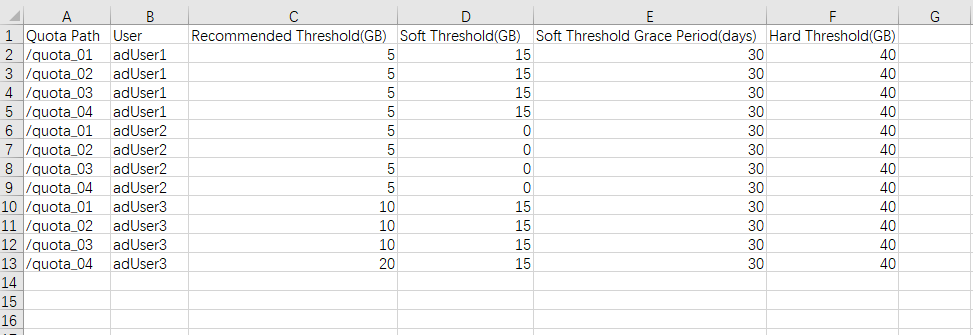
3. The tool must be executed on a single node. Concurrent execution on multiple nodes is not supported.

# Quota Configuration File Description

1. The configuration file must be a CSV file in UTF-8 encoding format. Otherwise, the file cannot be parsed.

2. A CSV file cannot save multiple worksheets. Only the current worksheet will be saved.

3. The configuration items from left to right are **Quota Path**, **User**, **Recommended Threshold**, **Soft Threshold**, **Soft Threshold Grace Period**, and **Hard Threshold**, as shown in the following figure.



The unit of the quota thresholds is GB and that of the grace period is day.

4. The quota thresholds can be set to 0. In this case, the usage of the quota will not be limited.

5. A maximum of 8,192 quotas can be created.

[Parameter Restrictions]

1. The parameter cannot contain commas (,). The data in this row will be identified as invalid data.

2. A quota path must start with a slash (/) and contain a maximum of 4,000 characters. A user name can contain a maximum of 127 characters.

3. The recommended threshold must be less than the soft threshold. The soft threshold must be less than the hard threshold. The recommended threshold must be less than the hard threshold.

4. If the soft threshold is not set to 0, the corresponding grace period cannot be set to 0.

5. The parameters must comply with the restrictions of the quota feature. For details, see the product documentation by visiting **https://support.huawei.com/hedex/hdx.do?docid=EDOC1100134588&id=EN-US\_TOPIC\_0203213791**.

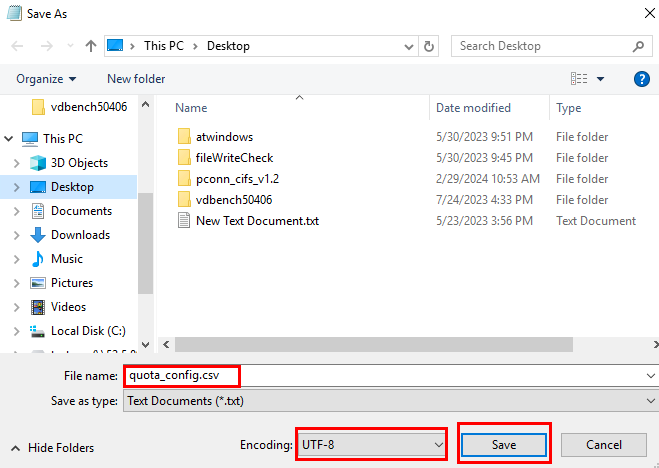
# Procedure

## Preparing the Quota Configuration File

1. Decompress package **batch\_handle\_quota.zip**, find quota configuration template file **quota\_config.csv.**

2. Use **Excel** to edit the CSV file for setting quotas in a batch, save the file and exit.

3. Use **Notepad** to open the CSV file and ‘**Save As…**’ the file in UTF-8 encoding format.



## Uploading the Tool Package and CSV Quota Configuration File

Decompress package **batch\_handle\_quota.zip** to obtain tool package **batch\_handle\_quota\_tool.zip**.

1. Upload tool package **batch\_handle\_quota\_tool.zip** and the CSV quota configuration file to the **/home/omuser** directory on any node.

2. Move the tool package to the **/var/log/quota\_tool** directory.

**mkdir -p /var/log/quota\_tool**

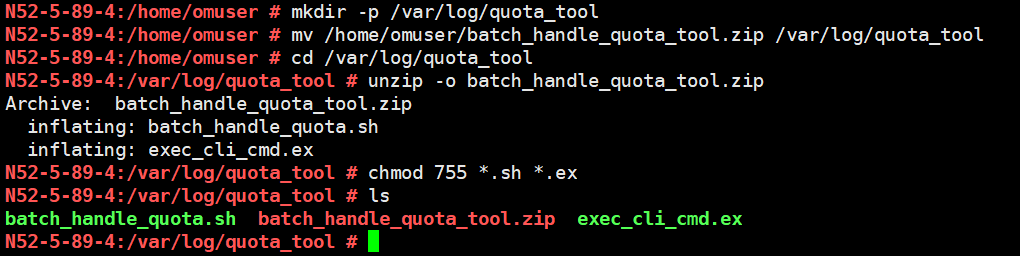
**mv /home/omuser/batch\_handle\_quota\_tool.zip /var/log/quota\_tool**

3. Decompress the package and grant the execute permission to the tool.

**cd /var/log/quota\_tool**

**unzip -o batch\_handle\_quota\_tool.zip**

**chmod 755 \*.sh \*.ex**



## Running the Command and Entering the Password of User **admin**

**sh /var/log/quota\_tool/batch\_handle\_quota.sh /home/omuser/quota\_config.csv**

