

CLI Administrator Guide for Synology Presto Desktop Client

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Based on

Presto File Server 2.1.1



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Chapter 1: Introduction and Getting Started

Presto Desktop Client supports a command-line interface (CLI), allowing users to execute high-speed and secure data transfers through the command line and automate their data transfer workflows. This CLI Guide provides instructions on how to transfer data and manage transfer settings on Windows, Mac, and Linux computers via CLI on a licensed Presto File Server.

Launch CLI on Presto Desktop Client

Please do either of the following steps to launch CLI on your computer:

On Windows Computer:

1. Launch **Command Prompt**.
2. Change the directory to Presto's installation path, with **%localappdata%\Presto\Presto.app\bin** serving as the default path.
3. Execute **presto-cli.exe**.

On Mac or Linux Computer:

1. Launch **Terminal**.
2. Execute **presto-cli**.

Chapter 2: Transfer Files

The executable **presto-cli** is a command-line client supported by Presto File Server, and this program contains the following syntax and command options.

Download and Upload Files or Directories

To download files or directories:

To download files or directories from a server to a client, please add a local destination after the remote source:

```
presto-cli presto://user[:password]@host:source1 [source2...]
destination
```

To upload files or directories:

To upload files or directories from a client to a server, please specify the local file path and then specify the remote server destination:

```
presto-cli source1 [source2...] presto://user[:password]@host:destinati
on
```

The syntax for uploads and downloads are as follows:

Syntax	Description
user, password, host	Use the prefix <code>presto://</code> to specify a remote Synology NAS credentials with Presto File Server. Both the user and host are required fields to fill in. When the field is empty, the program will immediately ask the user to enter a password. Credentials can be loaded from and saved to a database.

<p>source(s)</p>	<p>The source files or directories to be transferred to a destination.</p> <ul style="list-style-type: none"> • Multiple arguments are separated by space characters. • If the path contains one or more spaces, the path should be enclosed in a pair of quotation marks. • The backslash (\) is not supported, the folder path separator can only read slash (/) punctuation mark. <p>For example:</p> <pre>"presto://admin@presto.syno.me:share_folder1/ file/home/Angela/Spaced path here/"</pre>
<p>destination</p>	<p>The destination directory is where the source files or directories are to be transferred.</p> <ul style="list-style-type: none"> • If the path contains one or more spaces, the path should be enclosed in a pair of quotation marks. • The backslash (\) is not supported, the folder path separator can only read slash (/) punctuation mark. <p>For example:</p> <pre>"presto://admin@presto.syno.me:share_folder1/ file/home/Angela/Spaced path here/"</pre>

For example, to download the files **share1/file1**, **share1/file2**, **share2/folder** with **admin** as the user and **presto.syno.me** as the host, please do the following:

1. Log in to **presto.syno.me** with an account belonging to the administrators group.
2. Download **share1/file1**, **share1/file2**, and **share2/folder** to the local path **/home/user/Downloads**.

```
>presto-cli presto://admin@presto.syno.me:share1/file1 share1/file2
share2/folder /home/user/Downloads/
```

Chapter 3: Manage User Database

presto-cli shares user database with Presto. Use the option **--load-db** to load credentials from the database.

For example:

```
>presto-cli --load-db presto://admin@presto.syno.me:share_folder1/file /
home/user/Downloads/
```

When loading credentials from the user database (**--load-db**), the changes in the transfer settings derived from the command-line will override the transfer settings in the user database. Therefore, the changes in the transfer settings will only be applied to the current transfer session, while the transfer settings in the user database will remain intact.

presto-cli is not capable of browsing the transfer settings of the connected database. Adding new settings can override the existing settings.

For example:

```
>presto-cli --load-db --download-max=10000 --compression presto://
admin@presto.syno.me:share_folder1/file /home/user/Downloads/
```

Add or Remove Login Credentials

presto-cli provides a method for adding or removing credentials to or from the database. Please follow the formats below to add or remove login credentials to or from the user database.

You can choose to either enter your password directly in **[:password]** or enter it later upon request:

To add credentials to the user database:

```
presto-cli -A presto://user[:password]@host
```

To remove credentials from the user database:

```
presto-cli -E presto://user[:password]@host
```

Chapter 4: Manage Files and Directories

Browse Local and Remote Files

To list the file content in a remote or local folder, please specify the folder path without target in the format below:

```
presto-cli [presto://user@host:]path/
```

Manage Local and Remote Files and Directories

To manage local and remote files and directories with **presto-cli**, please follow the formats for relevant commands shown below, and make sure that the path needs to be specified down to filename and file extensions:

To move or rename a file or directory:

```
presto-cli -m [presto://user@host:]frompath topath
```

To copy a file or directory:

```
presto-cli -c [presto://user@host:]frompath topath
```

To delete a file or directory:

```
presto-cli -x [presto://user@host:]path
```

To create a new directory:

```
presto-cli -n [presto://user@host:]path
```

Chapter 5: References

Exit Values

The following table displays the exit values that indicate the result of each corresponding command:

Value	Description
0	Successful.
1	Syntax or usage error.
2	Login failed.
3	Cannot establish TCP and UDP connection on the secondary port.
4	Invalid username/password or insufficient user privilege.
5	Client version is too old.
6	Server version is too old.
7	Connection failed due to the wrong port.
8	Connecting to the wrong service.
9	A one-time password is required.
10	No licensed bandwidth.
11	Untrusted SSL certificate.
20	Command failed.
21	Source directory does not exist.
22	Cannot access destination directory.
23	Only part of the transfer tasks is successful.
24	All transfer tasks failed.
30	Operation on user DB failed.
Others	Unexpected errors occurred. Please try again and contact Synology Technical Support if the problem persists.

Additional Options

The following table displays the additional options and their descriptions:

Option	Description
-h, --help	Display help article.
-v, --verbose	Enable verbose mode to receive complete update notifications.
-q, --quiet	Enable quiet mode to receive only error notifications or prompts.
-p, --port	Customize the used port for Presto, and require port N and N+1 to transfer files via Presto File Server.
	For example, connect to presto.syno.me with port 5566 : <pre>>presto-cli -p 5566 presto://admin@presto.syno.me:share1/</pre>
-l, --load-db	Apply the existing settings to the database and to Presto GUI client.
--allow-untrust	Allow untrusted SSL certificate.
--dry-run	Perform a dry-run without making real changes.
--record-activities	Write a record to client activity logs, which can be viewed via GUI client.
--auto-retry=COUNT	When network problems occur, presto-cli will only make a number of COUNT attempts to reconnect, but will not retry if the default value is 0.
	For example, download a file from the server with a retry count of 10: <pre>>presto-cli --auto-retry=10 presto://admin@presto.syno.me:share1/folder /home/user/Downloads</pre>
--skip-suffix=SUFFIX	Skip transfer files with specific extensions. Use a slash to separate extensions.
	For example, download all the contents in share1/folder except the files with jpg, png, and doc extensions: <pre>>presto-cli --skip-suffix=jpg/png/doc presto://admin@presto.syno.me:share1/folder /home/user/Downloads</pre>

Option	Description
--overwrite=MODE	<p>Define the specific conditions that trigger overwriting. The conditions include "always", "newer", "skip", and "rename". Here, "always" is the default value and "newer" is defined as when modification time (mtime) is newer or data size is different.</p> <p>For example, set overwrite policy to "skip":</p> <pre>>presto-cli --overwrite=skip presto://admin@presto.syno.me:share1/folder /home/user/Downloads</pre>
--concurrent	Set the concurrent count for this connection. The value should be an integer ranging from 1 to 10. The default value is 3.
--upload-max	Set the maximum upload rate, with 0 indicating unlimited value. The value that is entered should be an integer ranging from 0 to 999999. The default value is 0, and the unit of this value is KB/s.
--upload-min	Set the minimum upload rate. The value entered should be an integer ranging from 0 to 999999. The default value is 0, and the unit of this value is KB/s.
--download-max	Set the maximum download rate, 0 indicate unlimited. The value entered should be an integer ranging from 0 to 999999. The default value is 0, and the unit of this value is KB/s.
--download-min	Set the minimum download rate. The value entered should be an integer ranging from 0 to 999999. The default value is 0, and the unit of this value is KB/s.
--encryption	Enable encryption when transferring data. This option is disabled by default.
--compression	<p>Enable compression when transferring data. This option is disabled by default.</p> <p>For example, add multiple transfer settings to the session:</p> <pre>>presto-cli --concurrent=5 --download-max=50000 --download-min=10000 --encryption --compression presto://admin@presto.syno.me:share1/folder /home/ user/Downloads</pre>
--show-progress	<p>Enable progress when transferring data. This option is disabled by default.</p> <p>Note: This option also forces the verbose option to be enabled, and the previously entered commands and its output will be deleted.</p>



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