Access via the Datagateway

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Lösung (öffentlich)

Access via the Datagateway

The Datagateway is a central point where various storage systems are connected together. You can also reach the data of your Groupdrives here.

Available access protocols are scp, sftp, sshfs, and rsync.

Prerequisites and Restrictions

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A client in the TUD network

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Your TUD login and TUD password

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The Groupdrive name

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The SVM name of the Groupdrive (short name often starting with vs-, cephnfs)

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Groupdrives on the SVM ceph-smb are not available on the Datagateway

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The SVM cephnfs is stored on the Datagateway as vs-cephnfs

Access

The Datagateway can be reached via dgw.zih.tu-dresden.de. You can authenticate with your TUD login and TUD password. Alternatively, you can authenticate using an SSH key. See Registering an SSH Key.

Storage Location

The data of your Groupdrive is located on the Datagateway under

/glw/<name>

or

/svm/<svm>/<name>

The path under /glw/... is a link which resolves to the /svm/.../... path.
The SVM cephnfs is available on the Datagateway under /svm/vs-cephnfs/....

The instructions [1]Access from Windows, [2]Access from Linux, or [3]Access from macOS contain examples for usage.

Registering an SSH Key

To bypass the password prompt on the Datagateway, an SSH public key can be added to the authorized_keys file in your home directory:

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(Optional, if the file already exists) Copy the existing authorized_keys file to your local PC

scp <tud-login>@dgw.zih.tu-dresden.de:~/.ssh/authorized_keys .

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Add the required public key to the file or create a new file with the public key

echo "ssh-ed25519 .... mykey" >> authorized_keys

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Copy the new authorized_keys file into the .ssh folder of your home directory

scp authorized_keys <tud-login>@dgw.zih.tu-dresden.de:~/.ssh/authorized_keys

[1] https://faq.tickets.tu-dresden.de/otrs/public.pl?Action=PublicFAQZoom;ItemID=1528;
[2] https://faq.tickets.tu-dresden.de/otrs/public.pl?Action=PublicFAQZoom;ItemID=1526;
[3] https://faq.tickets.tu-dresden.de/otrs/public.pl?Action=PublicFAQZoom;ItemID=1527;