

Backup - Configuration - Linux

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Lösung (öffentlich)

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The configuration is located in the folder /opt/tivoli/tsm/client/ba/bin. Essentially, there are only two configuration files here that need to be created first: dsm.sys and dsm.opt.

Comments are possible in the configuration files using the “*” symbol. Also, the capitalization of attributes does not matter.

Configuration File dsm.opt

This file is relatively simple, as it only affects the local behavior of the client (e.g., log messages). You can adopt the following configuration as is.

```
--- /opt/tivoli/tsm/client/ba/bin/dsm.opt ---
```

*Date in ISO format (YYYY-MM-DD)

DATEFORMAT 3

*Time in 24-hour format (HH:MM:SS)

TIMEFORMAT 1

Configuration File dsm.sys

This file configures the backup client and can be customized by you as you like. There are many different options; the most important ones are commented in the minimal configuration below, further ones can be found under [1]Advanced Options.

Minimal Configuration

After requesting the backup node, you should see it in the [2]Self-Service Portal (SSP).

In the expanded view you will find the “Connection Details” section with the options TCPServeraddress, TCPPort, and Nodename. These values are needed in the following step.

You can adopt the following default configuration completely as is:

Replace the options <Nodename>, <TCPPort>, and <TCPServeraddress> with the information from the Self-Service Portal (in the expanded “Connection Details” tab).

Also adjust the domain option to the path that should be included in the backup.

The path specified in domain must be its own mount point, not a regular folder - /var works, for example, if it is mounted separately.

Mount points inside another mount point must be specified separately - if, for example, /home is its own mount point, domain / would not include it. In that case you would need to specify domain /home.

```
--- /opt/tivoli/tsm/client/ba/bin/dsm.sys ---
```

```
* *****
```

```
* The following settings must be adjusted by you *
```

```
* *****
```

```
* Nodename from the SSP (Connection Details)
```

```
servername <Nodename>
```

```
    * Nodename from the SSP (Connection Details)
```

```
    nodename <Nodename>
```

```
    * TCPPort from the SSP (Connection Details)
```

```
    tcpport      <TCPPort>
```

```
    * TCPServeraddress from the SSP (Connection Details)
```

```
    tcpserveraddress <TCPServeraddress>
```

```
    * Mount point that receives a backup
```

```
    domain /
```

```
    * Multiple entries under domain are possible, e.g.:
```

```
* domain / /home /var
* *****
* From here on you can adopt everything as is *
* *****
* Adjustments are possible, however - see "Advanced Options"
* Backup via TCP connection (do not change)
commmethod      tcpip
* Save password after first entry (do not change)
passwordaccess  generate
* Path where info logs are written
schedlogname    /var/log/dsmsched.log
* How long info logs are kept, in days
schedlogretention 30 d
* Path where error logs are written
errorlogname    /var/log/dsmerror.log
* How long error logs are kept, in days
errorlogretention 30 d
* Better transfer rates
diskbuffsize    512
compression     yes
* Exclude BTRFS snapshots (uncomment if used)
* exclude.dir /.snapshots
* Exclude the TSM password file
exclude.dir /etc/adsm
-----
This minimal configuration file now backs up all files under the path
specified in domain. For further options and restrictions, see [3]Advanced
Options.
Logging In
-
Run the following command as root:
dsmc query session
-
You will now be prompted to log in.
-
The User-ID (the node name) should already be prefilled correctly (just
confirm with Enter).
-
The password is the password generated via the Self-Service Portal.
-
The command should establish a connection to the server and output connection
parameters.
```

[1] <https://faq.tickets.tu-dresden.de/otrs/public.pl?Action=PublicFAQZoom;ItemID=1619;>

[2] <https://selfservice.tu-dresden.de/services/backup/overview/>

[3] <https://faq.tickets.tu-dresden.de/otrs/public.pl?Action=PublicFAQZoom;ItemID=1619;>