

## Backup - Recommendations

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### Schlüsselwörter

Backup

### Lösung (öffentlich)

Recommendations What should be backed up to the central backup system?

- Configuration data
- Log data (possibly set a shorter retention period)
- user data
- Data that is difficult to retrieve

What should not be backed up to the central backup system or otherwise

- Complete operating system => use the operating system's own backup mechanisms

- Unstructured collections of many small files => if possible, summarize them sensibly before the backup
- Files that are to be stored long-term and do not change => in the archive service

What must be backed up so that a disaster recovery is possible

- Linux

(without special applications such as databases or similar)

Backup complete operating system with all directories

- Windows

(without special applications such as AD, DB's ... etc.)

Backup SystemState, ASR, all partitions

Data volume

- If possible, reduce the number of files by sensibly combining data in tar archives or zip files
- Do not back up more than 1-5 million files under one node name/file system name. It is more favorable to create several backup streams => on different tapes. This can be achieved by backing up under several different logical node names.
- Please contact us if you have any questions.

Which Spectrum Protect (TSM) version for my research?

- According to the manufacturer's recommendation, you should use the latest possible version.
- There are also restrictions on file system support. A list of supported file systems can be found on the [1]IBM pages.

[1] <http://www.ibm.com/docs/en/storage-protect/8.1.26?topic=linux-file-system-acl-support>