

## Snapshot Backup

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All elements within the amatis virtualisation solutions portfolio have access to the VMware Snapshot function. Individual Virtual Private Servers perform a VMware Snapshot on a daily basis as standard and the frequency can be increased, while Virtual Data Centre customers have the freedom to set up their own VMware Snapshot regime.

Using VMware Snapshot ensures an image is taken of a complete Virtual Machine at a fixed point in time and stored on the same high-performance storage infrastructure. In the event of a problem with the live server, the Snapshot can be restored and the Virtual Machine is returned to the point at which it was taken. Any changes to the Virtual Machine since the Snapshot was taken will be lost. The major advantage of this approach is that the time taken to bring a failed Virtual Machine back into service is minimised. The disadvantages of VMware Snapshot are that the image is held on the same storage infrastructure as the live server and that file-level restores are not possible – only the whole Virtual Server can be recovered.

Although VMware Snapshot gives a very fast return to service capability, many organisations require a more robust backup regime. To address these requirements, amatis supplies its Snapshot Backup solution on a per-Virtual Machine basis.

### amatis Snapshot Backup

The amatis Snapshot Backup service works by running a VMware Snapshot on the core storage infrastructure and backing that data off to a separate storage infrastructure in the same data centre. This means that the backup data is protected against a failure of the primary storage infrastructure and also enables individual files to be restored to a live Virtual Machine if the need arises. It represents the next step on from relying on VMware Snapshot alone.

As standard, the amatis Snapshot Backup service will retain a single copy of the data in an unencrypted format in the same data centre as the primary storage infrastructure. Customers can opt for this data to be mirrored to the other amatis data centre to give complete site resilience and can also choose to encrypt the data.

For VPS customers, the Snapshot Backup interval will follow the VMware Snapshot interval of daily or every four hours. For VDC customers, the Snapshot Backup interval can be set on a per-VM basis.

### amatis Snapshot Backup offers as standard

- Data backed up to a separate storage infrastructure
- High availability RAID storage devices
- Daily or 4-hourly interval for VPS customers
- Per-VM interval for VDC customers
- Backup data held unencrypted
- Restore whole Virtual Machines or individual files

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### amatis Snapshot Backup options

- Backup data can be mirrored to another data centre for site resilience
- Backup data can be encrypted
- Snapshot Backup interval can be tailored on a per-VM basis (VDC customers only)

### Snapshot Backup benefits at a glance

- No hardware cost
- Highly scalable storage infrastructure
- Optional site resilience to ensure data availability
- Optional data encryption