

Backups & Storage

Elestio provides three backup tiers and two storage extension types (volumes and snapshots).

Local Backups (Application-Level)

Application-consistent backups are stored on the service VM itself. Created using pre/post-backup scripts specific to each template.

```
# List local backups
elestio backups local-list <vmID>

# Create a local backup now
elestio backups local-take <vmID>

# Restore from a local backup
elestio backups local-restore <vmID> /opt/app-backups/backup.zst

# Delete a local backup
elestio backups local-delete <vmID> /opt/app-backups/backup.zst
```

Remote Backups (Elestio Managed)

Backups are stored in Elestio's managed storage infrastructure, separate from the VM.

```
# List remote backups
elestio backups remote-list <vmID>

# Take a remote backup now
elestio backups remote-take <vmID>

# Restore from a remote backup
elestio backups remote-restore <vmID> <snapshot-name>

# Enable automatic remote backups (daily)
elestio backups auto-enable <vmID>
```

```
# Disable automatic remote backups
elestio backups auto-disable <vmID>
```

S3 External Backups

Store backups in your own S3-compatible bucket (AWS S3, MinIO, Backblaze B2, etc.).

```
# Test S3 connectivity before enabling
elestio s3-backup verify <vmID> \
  --key ACCESS_KEY \
  --secret SECRET_KEY \
  --bucket my-backups \
  --endpoint s3.amazonaws.com

# Enable S3 backups
elestio s3-backup enable <vmID> \
  --key ACCESS_KEY \
  --secret SECRET_KEY \
  --bucket my-backups \
  --endpoint s3.amazonaws.com

# Take an S3 backup now
elestio s3-backup take <vmID>

# List S3 backups
elestio s3-backup list <vmID>

# Restore from S3
elestio s3-backup restore <vmID> <backup-key>

# Delete an S3 backup
elestio s3-backup delete <vmID> <backup-key>

# Disable S3 backups
elestio s3-backup disable <vmID>
```

Snapshots (Provider-Level)

Point-in-time disk snapshots. Support varies by provider. Hetzner has full snapshot support; **Netcup** has limited support.

```
# List all snapshots
elestio snapshots list <vmID>

# Create a manual snapshot
elestio snapshots take <vmID>

# Restore a snapshot (use 0 for the most recent)
elestio snapshots restore <vmID> <snapshotId>
elestio snapshots restore <vmID> 0

# Delete a snapshot
elestio snapshots delete <vmID> <snapshotId>

# Enable automatic snapshots
elestio snapshots auto-enable <vmID>

# Disable automatic snapshots
elestio snapshots auto-disable <vmID>
```

Volumes (Block Storage)

Persistent storage volumes that can be attached to services. **Hetzner** provides full volume operations; other providers may have limited or no support.

```
# List all volumes in a project
elestio volumes

# Create a standalone volume
elestio volumes create --name my-volume --size 20

# List volumes attached to a service
elestio volumes service-list <vmID>

# Create and attach a volume to a service
elestio volumes service-create <vmID> --name app-data --size 50

# Resize a volume
```

```
elestio volumes resize <vmID> <volumeID> --size 100
```

```
# Detach a volume from a service
```

```
elestio volumes detach <vmID> <volumeID>
```

```
# Delete a volume
```

```
elestio volumes delete <vmID> <volumeID>
```

```
# Protect a volume from accidental deletion
```

```
elestio volumes protect <vmID> <volumeID>
```

Recommended Backup Strategy

Tier	Frequency	Retention	Use for
Local	Manual	No	Fast restore, same VM
Remote Borg (auto)	Daily	Based on the support plan	VM failure, corruption, restore
S3 external	Daily	Customizable	Compliance, cross-region

Enable all three for production services:

```
# Enable auto remote backups
```

```
elestio backups auto-enable <vmID>
```

```
# Enable S3 backups
```

```
elestio s3-backup enable <vmID> --key X --secret Y --bucket Z --endpoint S
```

```
# Enable auto snapshots (Hetzner only)
```

```
elestio snapshots auto-enable <vmID>
```

Revision #2

Created 2026-02-20 13:32:29 UTC by Amit Shukla

Updated 2026-02-20 13:42:53 UTC by Amit Shukla