

NetJapan Services

Configuration guide

When storing a copy of your backups (client's backups) in NetJapan Cloud, it is necessary to follow this configuration guide. Alternatively, you can order our Remote installation one-off service by contacting our [Customer Service](#) or your NetJapan contact.

Should you have any question during ActiVeImage Protector or ImageCenter setup, or any question in regards to this guide, please open a support ticket: <http://support.netjapan.eu>

ImageCenter replication will be configured via remote access by one of our technician. Do take an appointment with our Customer Service. It is necessary for ActiVeImage Protector backup task and ImageCenter verification and consolidation to be configured before our technician configures the replication process. It is even better if the backup tasks have already started.

Introduction

Previously to configuration, check that your system fulfils the prerequisites. You may also want to check out our calculator tools.

System configuration prerequisites

System type: physical or virtual.

File system of the source disk: FAT32, NTFS, initialised in MBR/GPT.

Supports Microsoft VSS snapshots or alternatively pre/post snapshot scripts.

Calculate the approximate time of data transfer

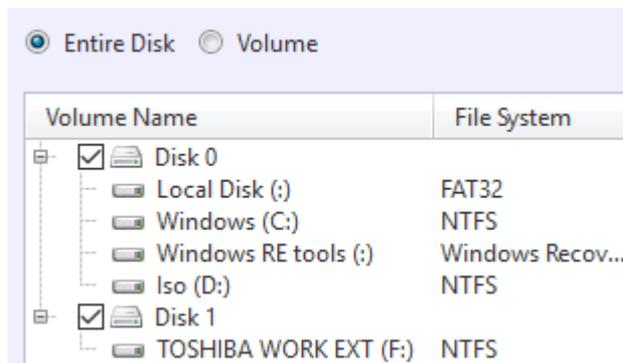
Use our data transfer calculator [here](#).

Calculate the approximate storage size you will require in NetJapan cloud

Use our Cloud storage calculator [here](#).

ActiVeImage Protector: Configure the backup task

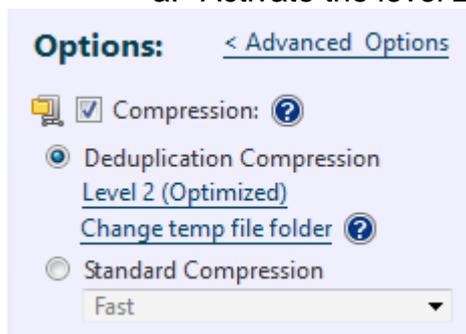
1. Schedule backup - source: choose the Entire Disk option and select all disks in the same backup task.



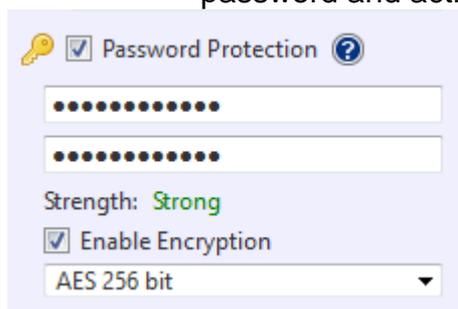
2. Schedule backup – destination: Uncheck the box “Designate a separate image file set per disk” if you have included several volumes in your backup task (step 1).



3. Schedule backup – destination | Options:
 - a. Activate the level 2 deduplication compression



- b. Protect your backup chain with a 12 characters (recommended) password and activate the AES256 bit encryption.



4. Schedule backup – destination | Advanced options:
 - a. General:

- Split image: unchecked
- Ignore bad sectors: unchecked
- Create a MD5 file for image: unchecked
- Verify backup image upon completion: unchecked (Verification will be setup in ImageCenter)
- Backup disk meta data: checked

(This option may not be available in your current ActiImage Protector but it will be available in a future build)

- Ignore inaccessible volume: unchecked
(This option may not be available in your current ActiImage Protector but it will be available in a future build)
- Use network throttle: unchecked
- Use network write caching: unchecked
- Automatically eject removable USB target after backup: unchecked

Advanced Backup Options:

General

<input type="checkbox"/> Split image into <input type="text" value="0"/> MB files.	<input type="checkbox"/> Verify backup image upon completion.
<input type="checkbox"/> Ignore bad sectors.	<input type="checkbox"/> Use network throttle: <input type="text" value="0"/> (Max KB/Second)
<input type="checkbox"/> Create an MD5 file for image	<input type="checkbox"/> Use network write caching.
	<input type="checkbox"/> Automatically eject removable USB target after backup.

b. Deduplication Compression:

- Auto-switch from default to an alternate folder: checked
- Continue operation with (Standard) compression: checked
- Temporary file folder: same folder than where backup files are stored (locally or on the network)

Deduplication Compression

If insufficient disk space is detected before operation:

- Auto-switch from default to an alternate folder.
- Continue operation with [Standard] compression.

Temporary File Folder:

c. Scripting

Activate it and fill in this section if the database doesn't support VSS. Otherwise, keep it blank and unchecked.

Scripting

Script to execute before the snapshot is taken:

Script to execute after the snapshot is taken:

Script to execute after image creation:

Force script execution.

5. Schedule backup – schedule

- a. Base (full backup): Specified Date

Select this option imperatively, you can then execute it at the date and time you wish.

b. Incremental:

- Minimum recommended: at least 3 incremental backups per business day.

The screenshot shows two configuration panels. The 'Base' panel on the left has 'Specified Date' selected, with 'Execute Date' set to 2018/06/08 and 'Execute Time' set to 17:55. The 'Incremental' panel on the right has 'Weekly' selected. The 'Multi-times' radio button is selected, with 'Start Time' at 08:00, 'End Time' at 17:00, and an interval of 4 hours. The 'One time only' radio button is unselected, with a time of 09:25. A calendar strip shows Monday through Saturday selected.

- Optimum recommended: incremental backups every 60 minutes on business days.

This screenshot is similar to the previous one, but the interval for the 'Multi-times' option is set to 1 hour. The 'One time only' option is still unselected with a time of 09:56.

6. Schedule backup – schedule | Post-backup process

Do not configure these processes in ActiImage Protector. It will be handled by ImageCenter.

- a. ImageCheck: Unconfigured
- b. Consolidation: Unconfigured

The 'Post-backup Process' section shows two items: 'ImageCheck: Unconfigured' with a green checkmark icon, and 'Consolidation: Unconfigured' with a greyed-out icon.

7. Schedule backup – schedule | options

- a. Enable Reconcile Image: checked
- b. Enable Retention Policy: unchecked

The 'Options' section includes: 'Enable Reconcile Image' (checked), 'Enable Retention Policy' (unchecked) with a dropdown menu set to 'Delete both full and incremental', and 'Number of image sets to retain:' set to 3. There is also an unchecked checkbox for 'Delete the older image before new base backup.'

c. Execution priority: medium



ImageCenter: configure verification and consolidation

Configure verification

Verify all backups, including base image. For this, make sure:

- Skip verify for base image: unchecked
- Verifying latest new image file only: unchecked

Verify Settings

- Skip verify for base image
- Verifying latest new image file only

Configure consolidation

Ensure you have enough available disk space.

1. Consolidation settings

- Use smart consolidation : unchecked
- Use an alternate consolidation agent : unchecked
- Keep [31] consolidated incremental image files: checked
- Leave latest [n] incremental files: checked
(n = number of incremental file you have per day. It refers to the point 1. (Configure ActiveImage Protector) 5. b. of this document)
- Keep original image files: checked.
Keep [7] days

Consolidation Settings

- Use Smart Consolidation
- Use an alternate consolidation agent
- Keep 31 consolidated incremental image file(s).
- Leave latest 9 incremental file(s)
- Keep original image files
 - Until next consolidation
 - Keep 7 days

2. Consolidation schedule

Plan it every business day at 11pm.

7 Consolidation Schedule

Immediate

After each new image files being created

At

Event ID: Weekly Monthly

Sun Mon Tue Wed Thu Fri Sat

Time zone: (UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna

Observe Daylight Saving Time (if applicable)

ImageCenter: configure replication

Replication will be configured by one of our technicians via remote access. Please make an appointment [here](#) choosing "Request a phone / remote appointment with a technician" as subject of the form.