

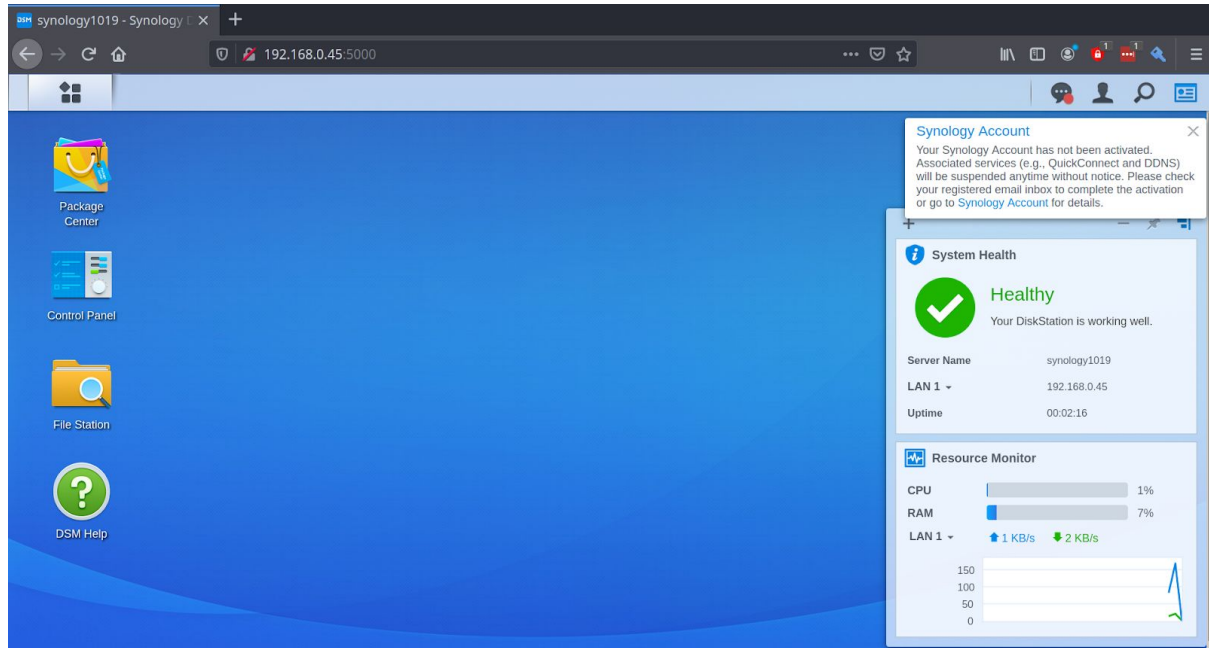
Managed Cloud Storage and Archive (AWS S3)

How-to Guide for Synology Backup on S3

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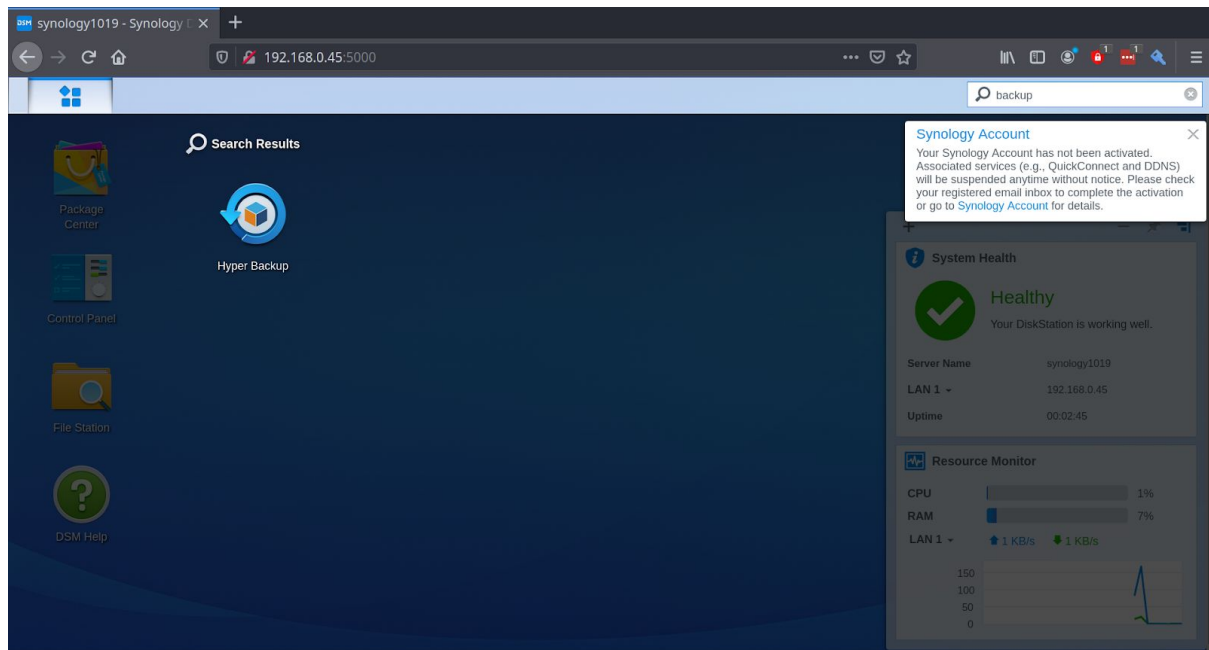
1. Instructions



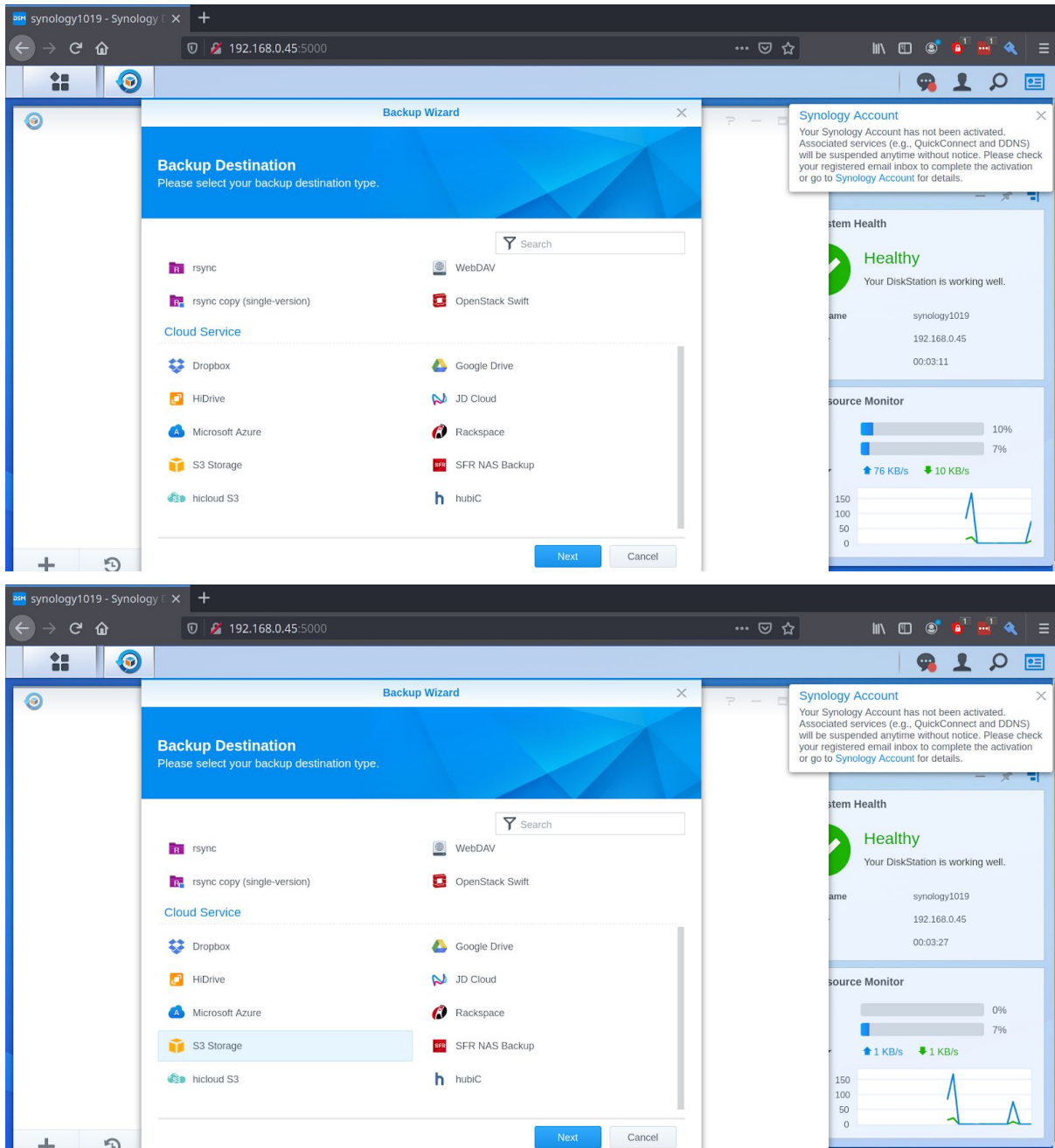
1.1 Navigate to the Synology Web UI

The IP of the NAS gets assigned by DHCP, so the address is different in each environment. Check your router to discover the NAS.

1.2 Search, select and open the backup application

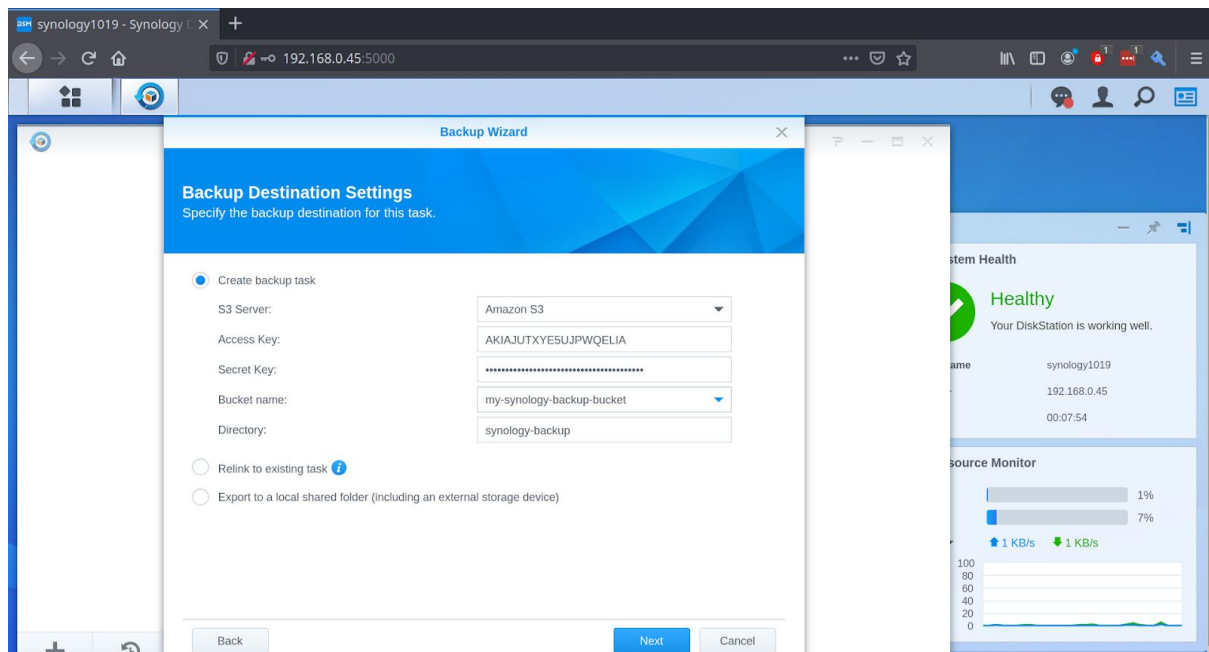


1.3 Choose S3 Storage and click Next

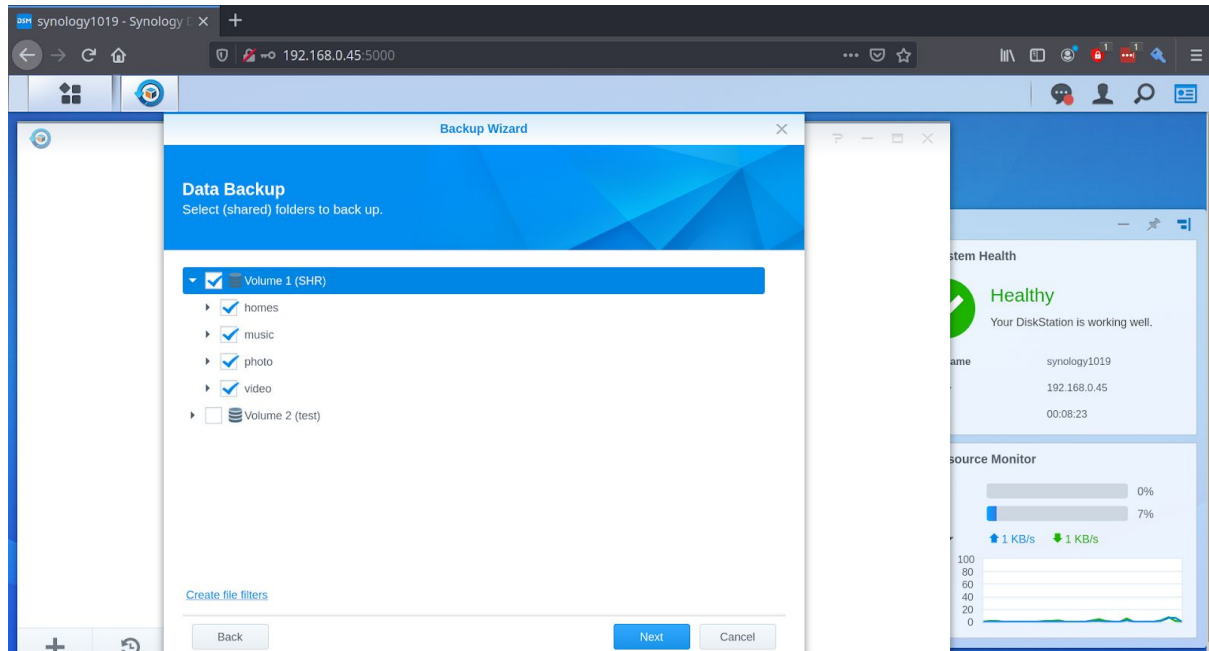


1.4 Insert your AWS credentials and your S3 bucket name

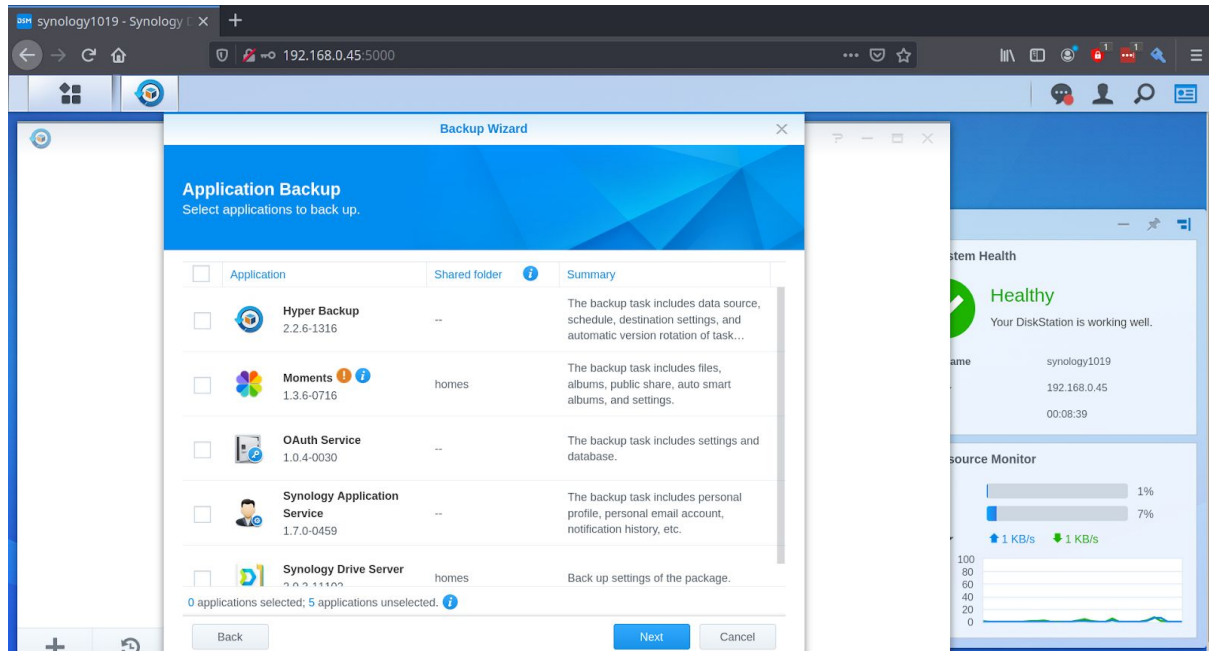
S3 Server: choose the default value
Access Key: enter your AWS account access key which you have received from us
Secret Key: enter your AWS account secret key which you have received from us
Bucket name: enter your AWS S3 backup bucket name which you have received from us
Directory: choose a meaningful directory name which will be created within the S3 bucket



1.5 Choose which files and directory will be backed up



1.6 Choose which application setting will be backed up



1.7 Set the backup settings

Enable task notification: Define if the backup task will generate a notification inside the UI

Enable file change detail log: Create a detailed log with all file changes

Compress backup data: Data will be compressed before uploading to S3

Enable transfer encryption: Data will be encrypted before uploading to S3

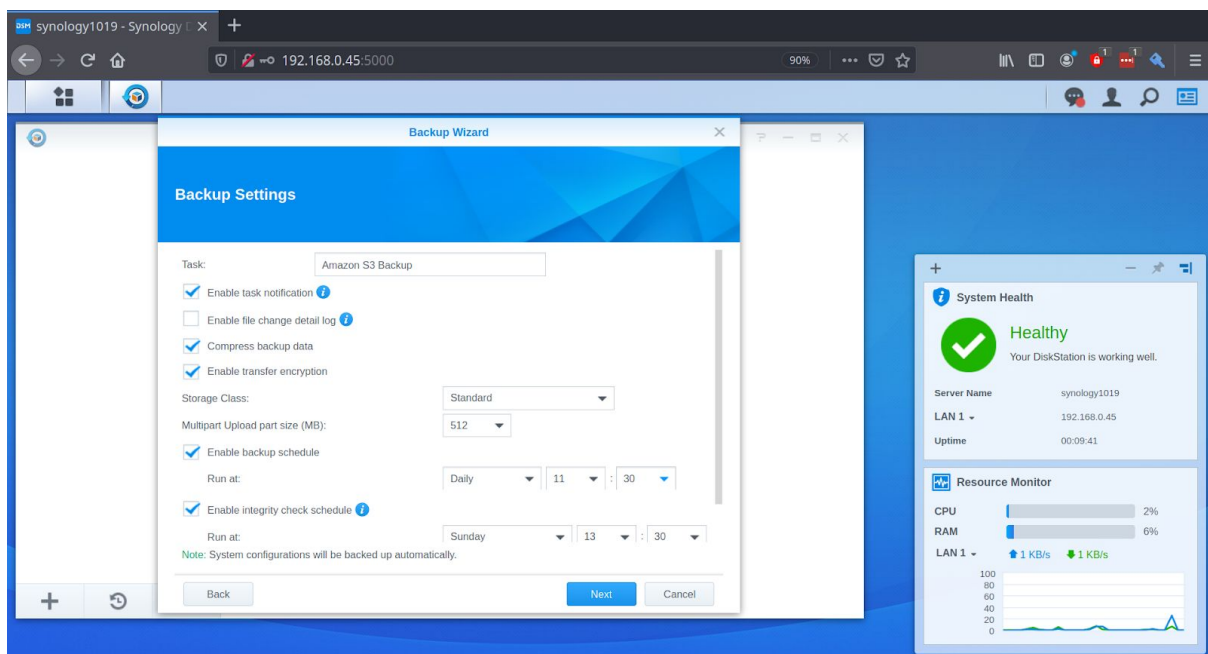
Storage class: Choose either Standard, Intelligent - Tiering, Reduced Redundancy Storage, Standard - Infrequent Access or One Zone - Infrequent Access. Make sure you understand the cost and security implications. Ask us if you need help in choosing the correct storage class.

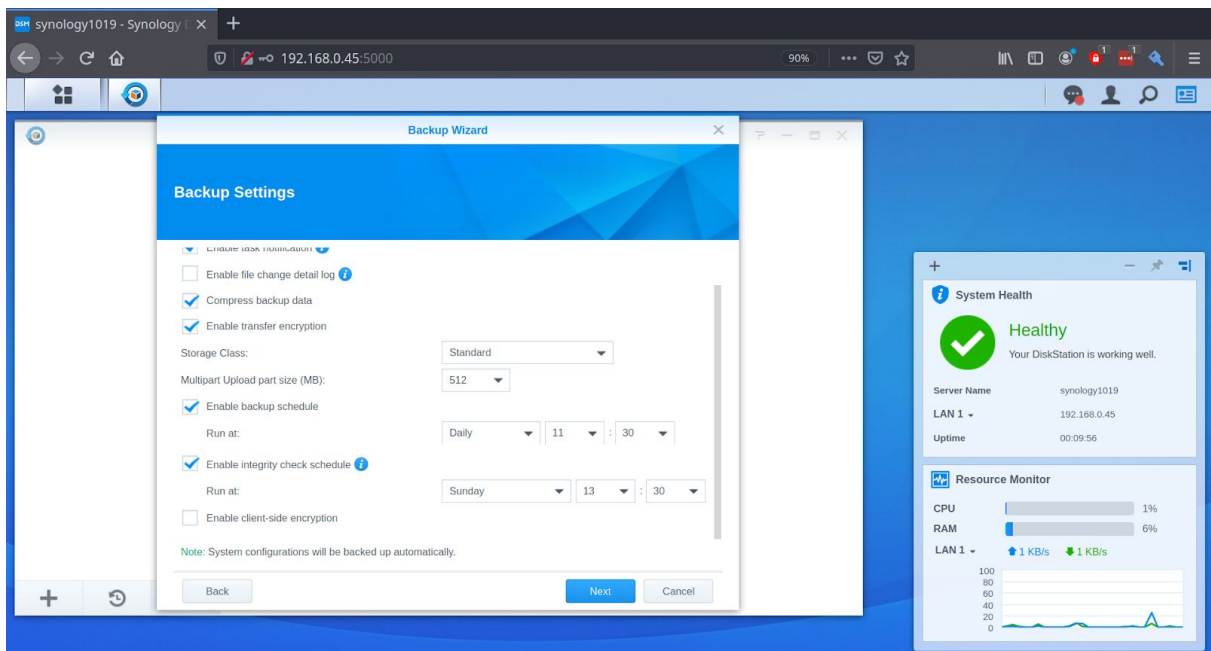
Multipart Upload part size: Define the file part size for the upload, choose default if you are unsure.

Enable backup schedule: Define scheduled times at which the backup will run automatically

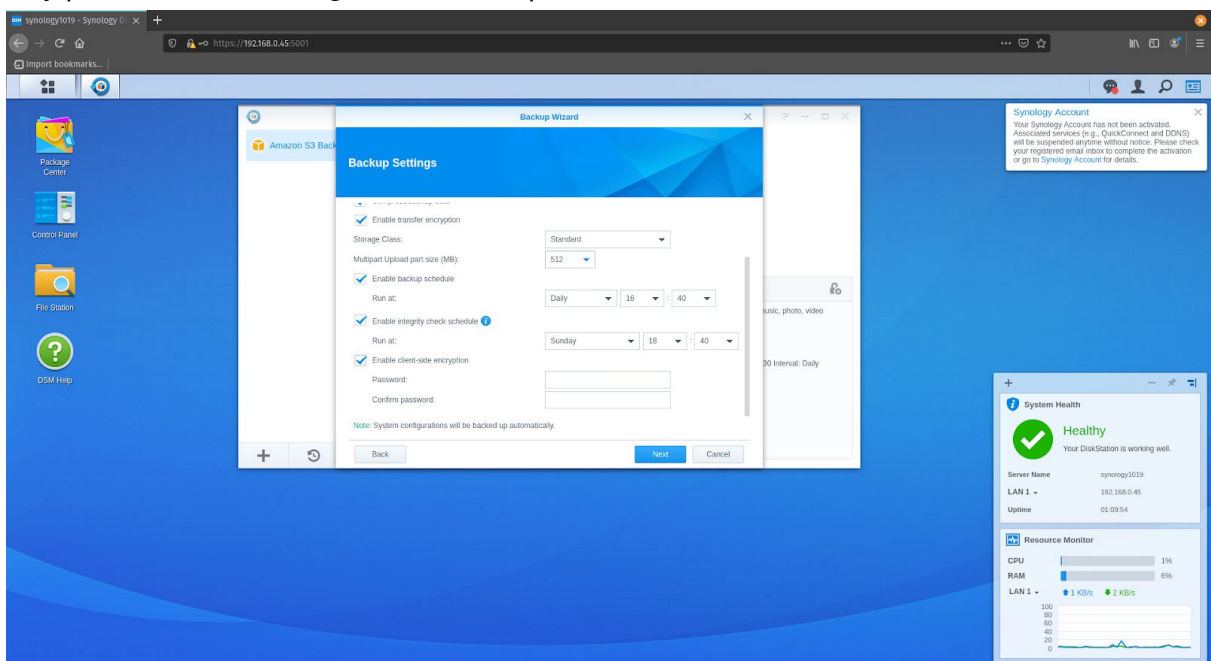
Enable integrity check schedule: Define scheduled times at which the backup integrity will be checked

Enable client-side encryption: Define if the data needs to be encrypted on the client's side. Make sure that you choose a strong encryption key and store it safely (not on the NAS or on S3, somewhere secure like a fireproof bank safe or similar)

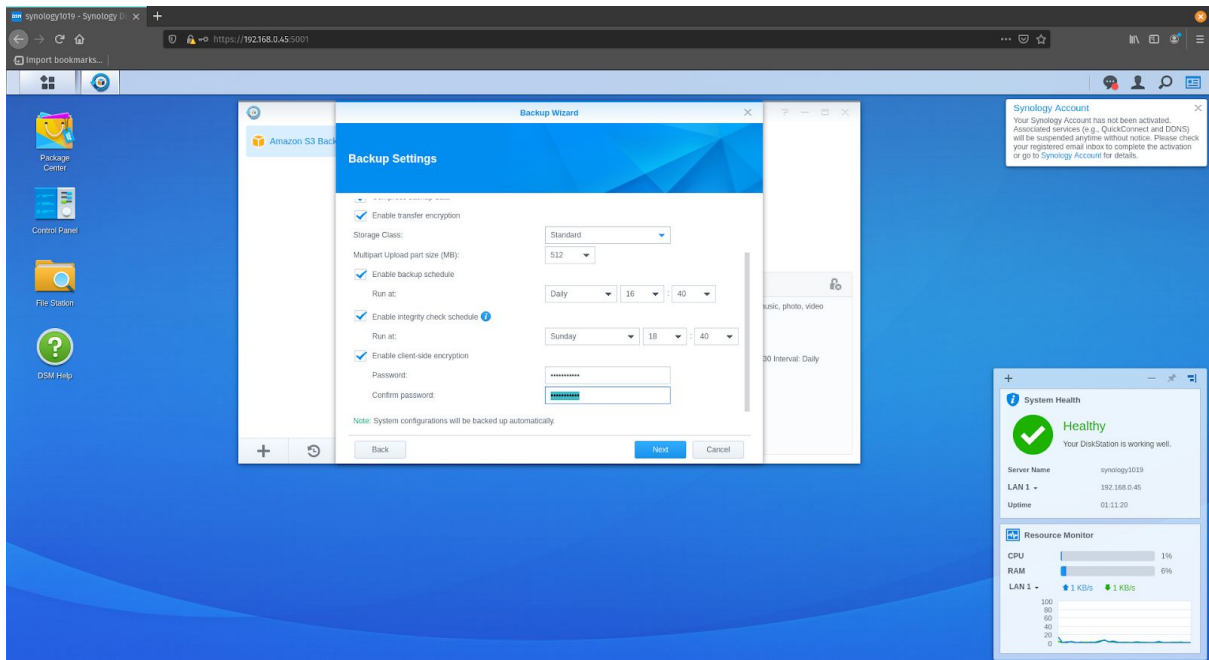




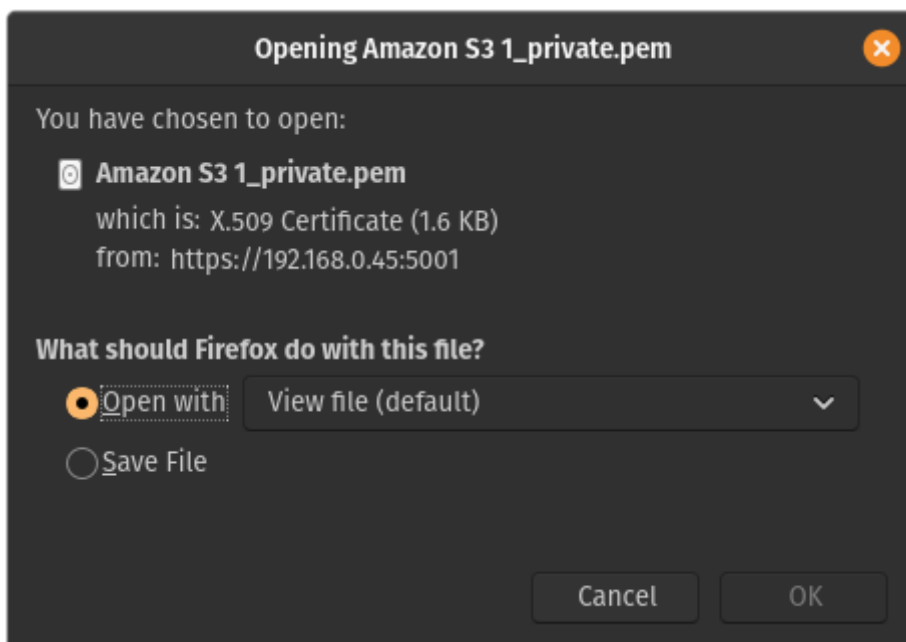
Enable client-side encryption: If you decide to encrypt your backup data client-side you may perform the following additional steps.



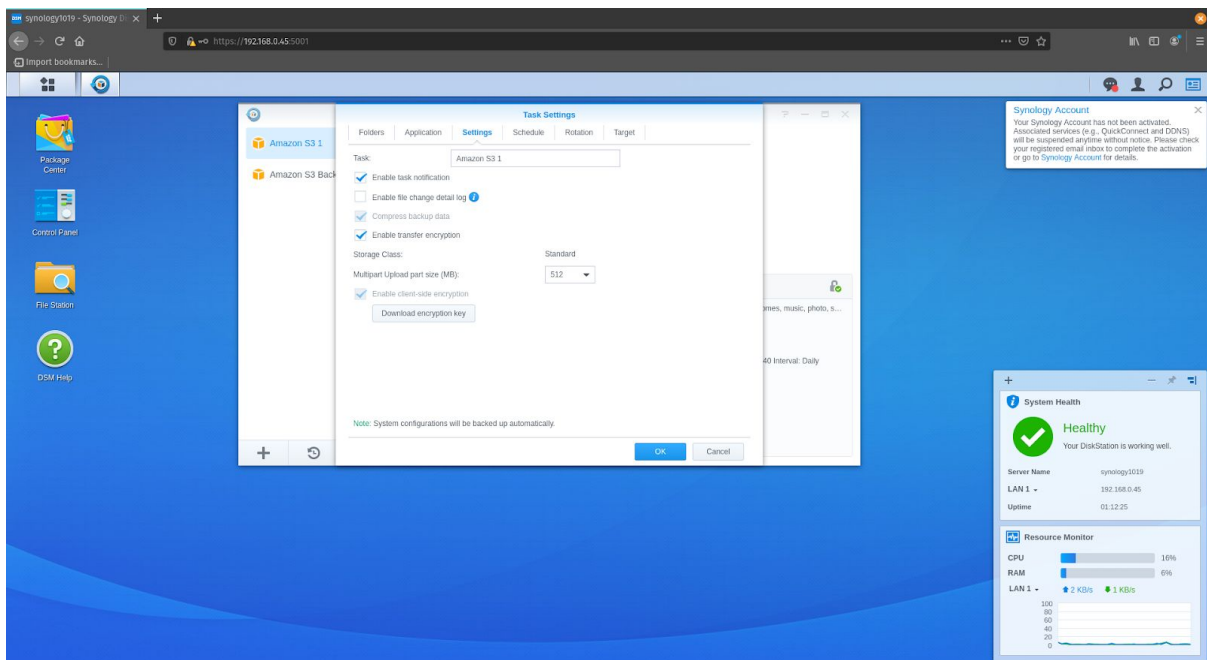
Firstly check the Enable client-side encryption checkbox.



Define a strong password which will be used to encrypt the data.



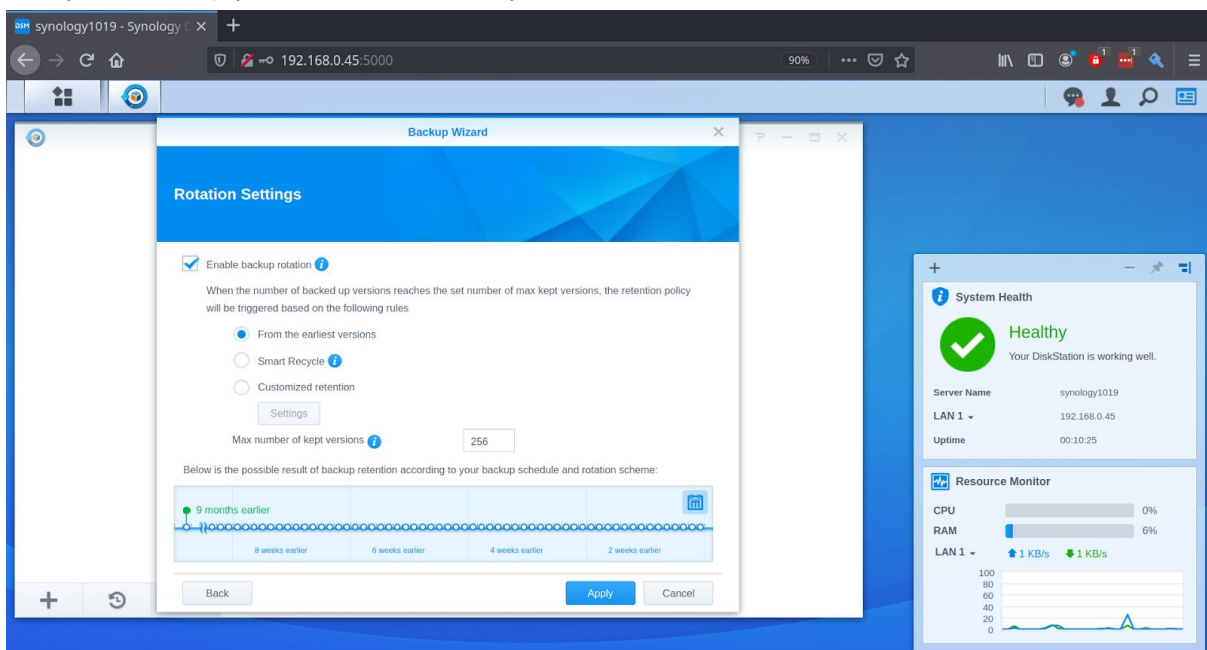
Make sure to save the used password preferably in a password vault and/or download the private key to ensure that the data can be restored in case of a Synology hardware failure.



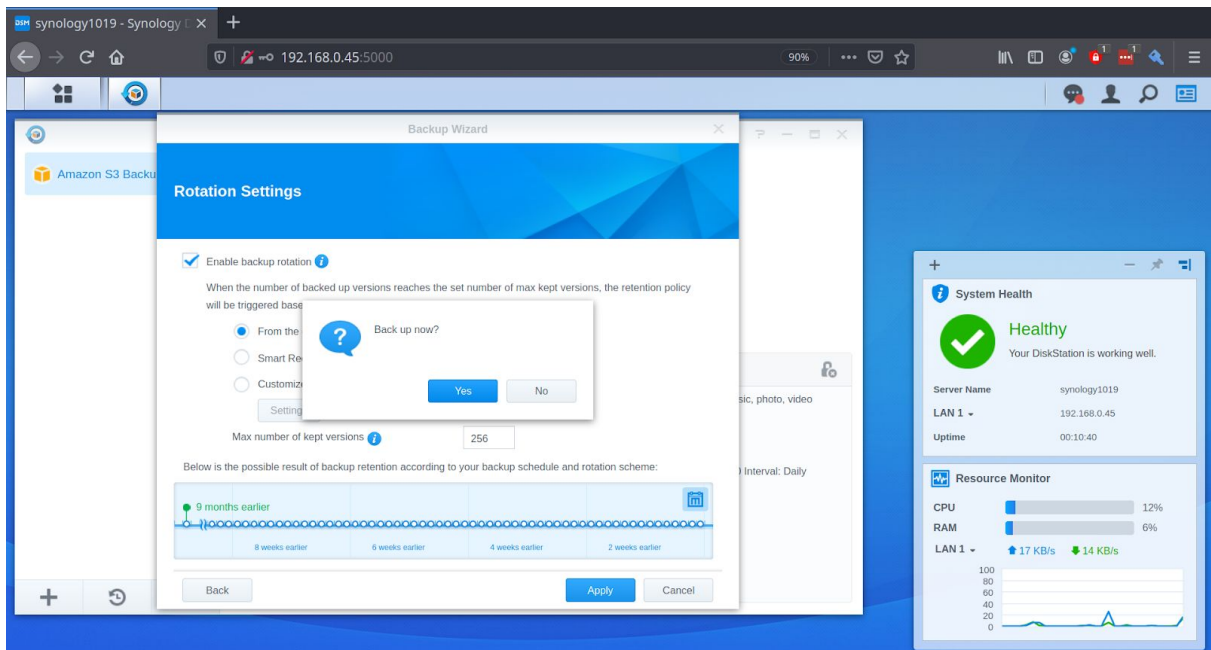
The private key will be available for download during the setup process but can be found in the settings tab of the backup task afterwards.

1.8 Rotation settings

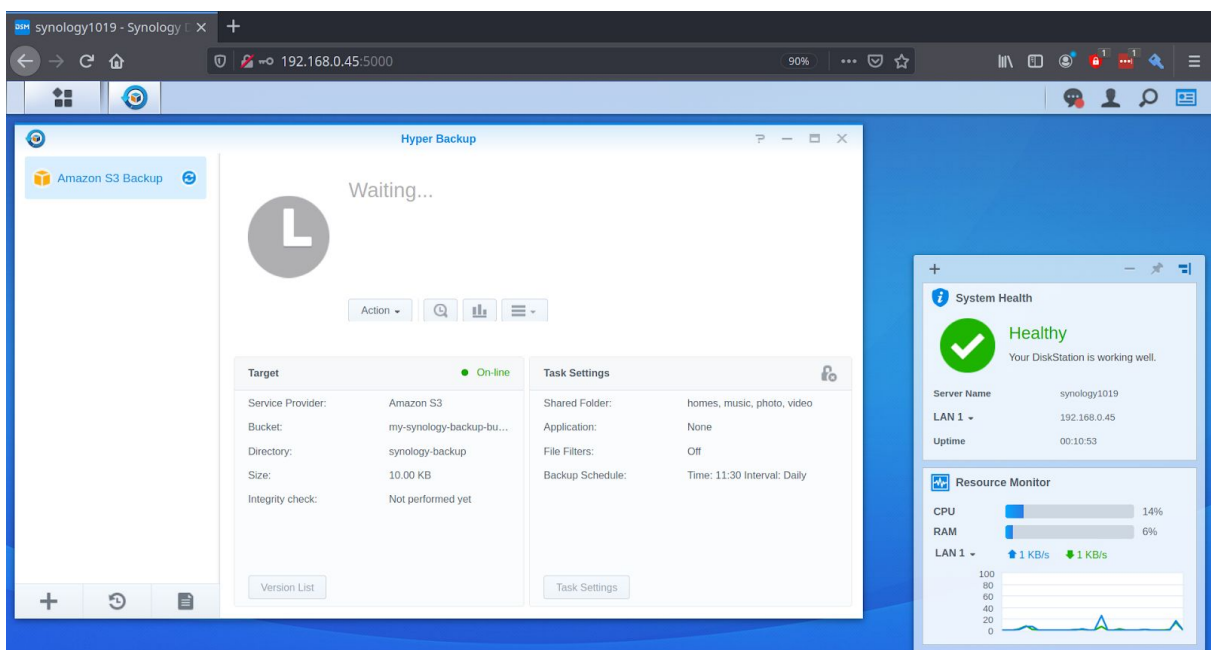
Enable backup rotation: Define if the backups will be rotated. This will enable you to have multiple recovery points from different points in time



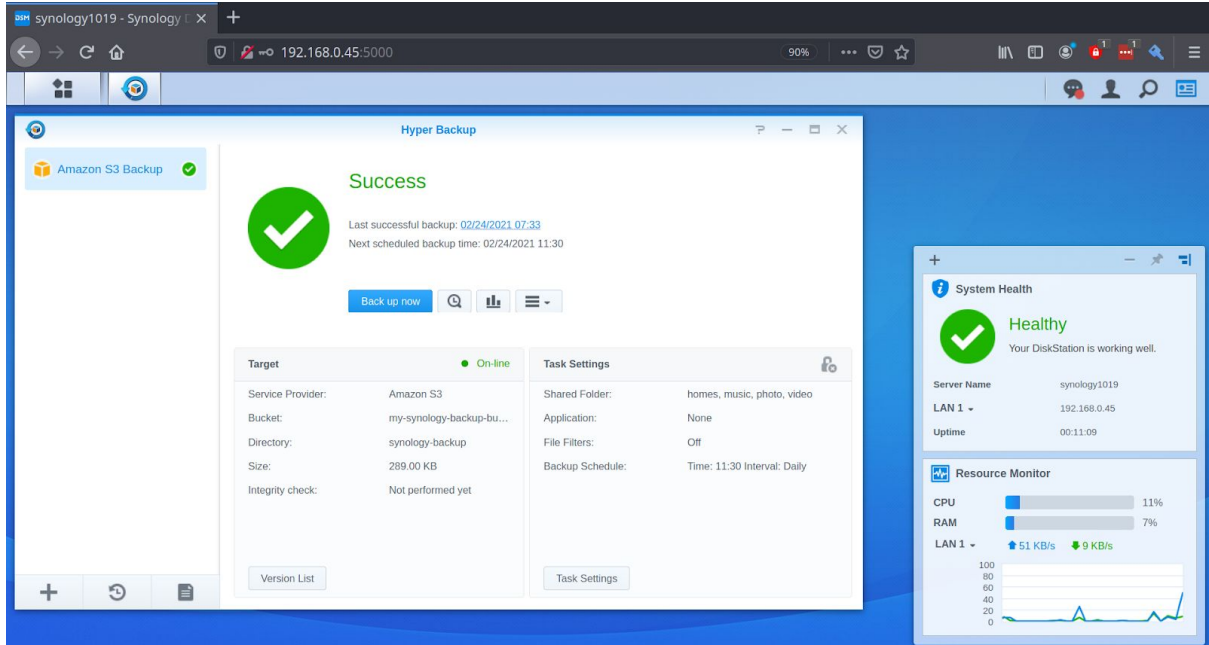
1.9 Choose apply



1.10 Wait for the backup to complete



1.11 Backup has been completed



The screenshot shows the Synology Hyper Backup web interface in a browser window. The main panel displays a large green checkmark and the word "Success". Below this, it states "Last successful backup: 02/24/2021 07:33" and "Next scheduled backup time: 02/24/2021 11:30". A "Back up now" button is visible. To the left, a sidebar shows "Amazon S3 Backup" with a green checkmark. Below the success message, there are two sections: "Target" and "Task Settings".

Target		Task Settings	
Service Provider:	Amazon S3	Shared Folder:	homes, music, photo, video
Bucket:	my-synology-backup-bu...	Application:	None
Directory:	synology-backup	File Filters:	Off
Size:	289.00 KB	Backup Schedule:	Time: 11:30 Interval: Daily
Integrity check:	Not performed yet		

At the bottom of the Target section is a "Version List" button, and at the bottom of the Task Settings section is a "Task Settings" button. On the right side of the interface, there is a "System Health" widget showing "Healthy" status and a "Resource Monitor" widget showing CPU usage at 11% and RAM usage at 7%.