



Press Release

## MSP AG develops Bareos Plugin for Qumulo

- ✓ Python plugin, uses the Qumulo API
- ✓ Snapshot-based backups for consistent file sets
- ✓ Simple and fast detection of changed data

**Hamburg/Cologne, March 23, 2021** – MSP AG introduces a file-based backup option for the [Qumulo](#) scale-out storage system. The new, self-developed [Bareos plugin](#) connects the Open Source backup solution with the Qumulo File Data Platform.

### Scalable File System for Big Data

The petabyte era brings major challenges to enterprises and other organizations: data volumes are growing exponentially, and at the same time, demands for availability, performance and agility are increasing. [Qumulo](#) addresses this problem. The American manufacturer has developed its own scalable file system: With the Qumulo File Fabric (QF2), large amounts of data can be stored and managed efficiently.

The QF2 file system is an excellent choice, not just for hybrid environments. It can manage billions of files, whether they're large or small – on-premises and in the cloud. Qumulo also scales almost infinitely thanks to its distributed architecture and allows for the flexible addition of more nodes. Restoring failed drives takes just a few hours, not several days as with traditional NAS storage.

### Qumulo Backup

Even though Qumulo is robust and performant, admins often look for a solution to back up data from the hybrid data store. MSP AG decided to connect to an Open Source backup solution to Qumulo. The company developed a Python plugin that backs up data via the Qumulo API.

The new Bareos plugin creates file-based backups of the scale-out storage system (full or incremental). A big plus is the speed: many backup solutions scan the entire file system, which can take several days for large data sets. The new Bareos plugin detects changed files much faster and creates snapshot-based backups for consistent file sets.

## Features of the Qumulo Bareos Plugin

- Use of the Qumulo API
- full and incremental backups
- snapshot-based backups for consistent file sets
- Fast and resource-friendly detection of modified files
- Backups of individual shares or the entire system

## Requirements

- Qumulo Core 3.0.0 or higher
- Python 2.7/3.x
- current Linux distribution: RHEL, CentOS, Debian, Ubuntu
- Bareos 18/19/20

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"The integration of enterprise NAS systems into a backup and recovery process is often associated with significant licensing costs –especially for large data volumes. There are no licensing costs for using Bareos, for us it's therefore the optimal starting point. The Qumulo API offers the possibility to work in a particularly resource-friendly and efficient way."

Martin Kohl, Senior Sales Consultant, MSP AG

"With MSP AG, we have gained a competent partner. The Bareos plugin uses the intelligence of the Qumulo systems to significantly improve the handling and performance of data backups with our open source backup solution."

Frank Kohler, Vice President Business Development, Bareos GmbH & Co. KG

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## **About MSP AG**

MSP AG is a medium-sized IT and software company specializing in development, system integration, process and IT consulting. With more than 60 employees at its headquarters in Hamburg and in Berlin, as well as subsidiaries in New York and Winston-Salem, the company supports its customers on their way to greater efficiency and flexibility. The Hamburg-based company has been a Qumulo partner since 2020 and a Bareos partner since 2021.

## **About Bareos**

Bareos (**B**ackup **A**rchiving **R**ecovery **O**pen **S**ourced) is a cross-network open source backup solution which preserves, archives, and recovers data from all major operating systems. The Bareos project started in 2010 and is being developed under the AGPLv3 license. The company Bareos GmbH & Co. KG and their partners offer professional subscription and support services, so that customers can rely on a maintained backup environment.

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