

## Bare Metal Backup (BMR) Overview

### Backup Modes

- Local: backup to local storage device
- Local + Replication: backup to local storage device, then replicate to a cloud

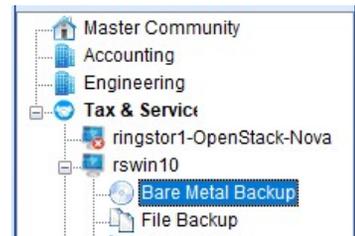
### Backup Type

- Full: full image of hard drive is backed up
- Differential: difference from last FULL backup is backed up

## Create New DataSet

BMR Backup DataSet is a backupset that contains one hard drive

Step 1 – Log into RingStor Explorer



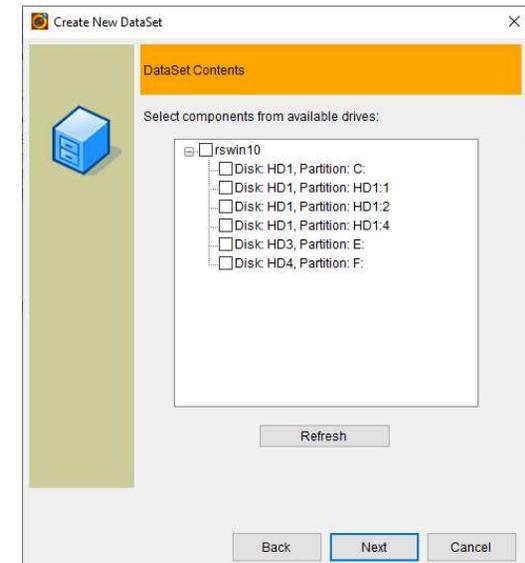
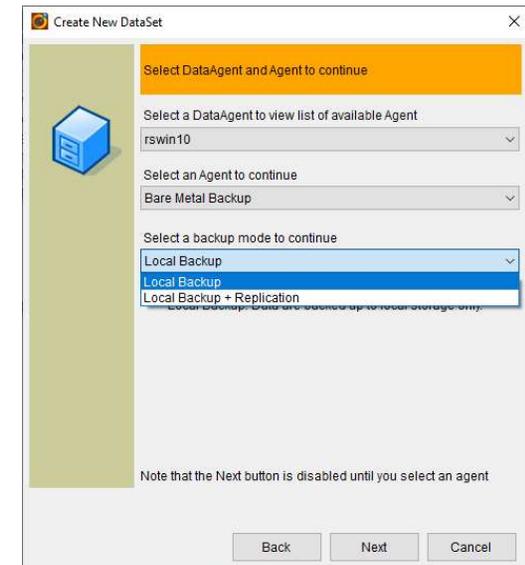
Step 2 – On left pane, select community and DataAgent

Step 3 – Right click Bare Metal Backup under the DataAgent, click Create New DataSet

Step 4 – Select backup mode

Step 5 – Select one hard drive (HD) to be backed up

(One HD may have multiple partitions)



## Schedule Backup

Recurring backup is essential to protect files

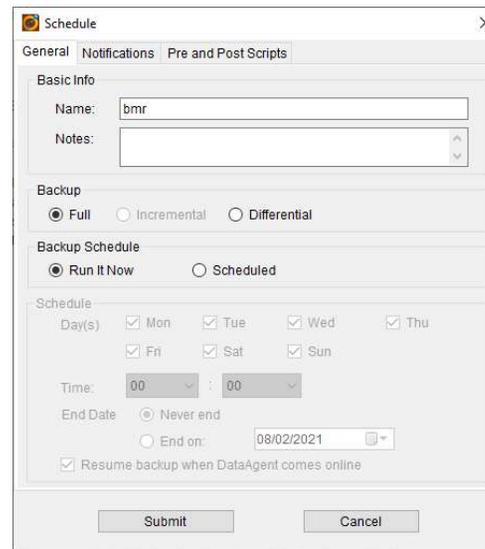
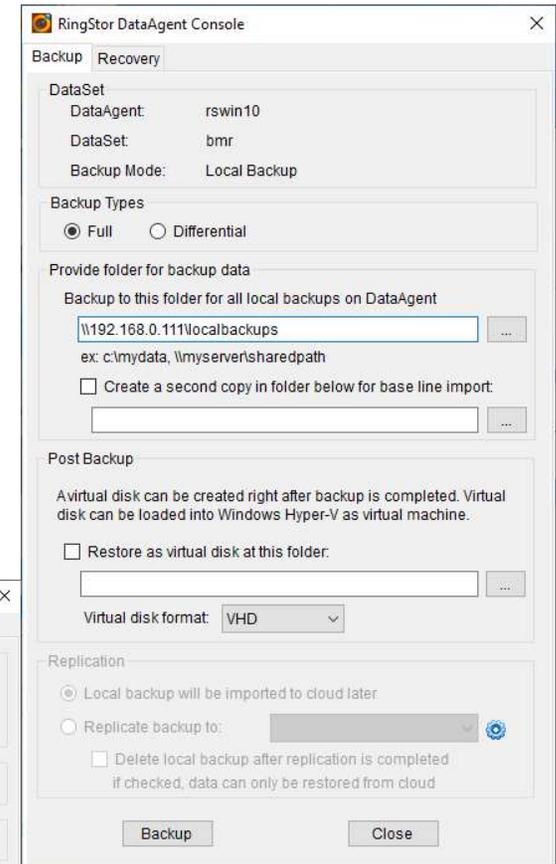
Step 1 – Log into RingStor Explorer

Step 2 – On left pane, select community, DataAgent, and click File Backup to bring up DataSets in right pane

Step 3 – Right click a DataSet in right pane, click Backup and Recover menu

Step 4 – On Backup tab, click Backup button

Step 5 – Set schedule details, notification if needed

## Monitor Backup

RingStor Explorer Task List tab shows all jobs

Start Time	End Time	Community	DataAgent	Agent Type	DataSet	Task Type	Task State	Processed / Total	Progress	Transmit Size	User	Reas
8/2/2021 2:56:25 PM	8/2/2021 6:44:08 PM	Tax & Service	rswin10	Bare Metal Backup	bmr	Backup (Full)	Completed	93.32 GB / 93.32 GB	100%	N/A	taxadmin	

Step 1 – Log into RingStor Explorer

Step 2 – Click Task List tab to view recent jobs

Step 3 – Right click a job to view details

**Failure Reason:** error encountered

**Task**

Task Detail

Task ID: AD41CBE2-4624-6FA1-3C5F-154A7E243783

Agent Type: Bare Metal Backup

Task Type: Backup (Full)

Task State: Completed

DataSet: bmr

Start Date: 8/2/2021 2:56:25 PM

End Time: 8/2/2021 6:44:08 PM

Duration: 3 Hour(s), 47 Minute(s)

Progress: 100%

Processed Objects / Total Objects: 53 / 53

Processed Size / Total Size: 93.32 GB / 93.32 GB

New Objects Detected: 0

Total Size for New Objects: 0 Bytes

Transmit Size: N/A

DataAgent: rswin10

User: taxadmin

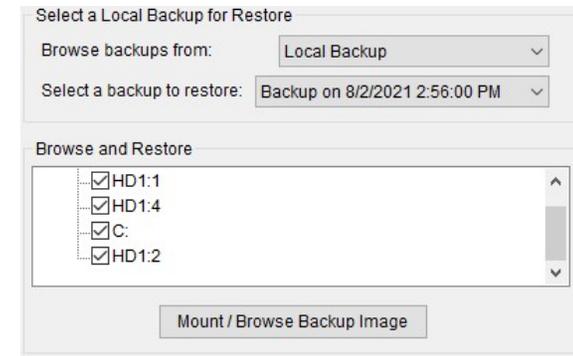
Failure Reason:

View Failed Files   **Close**   View Files

## BMR Restore Overview

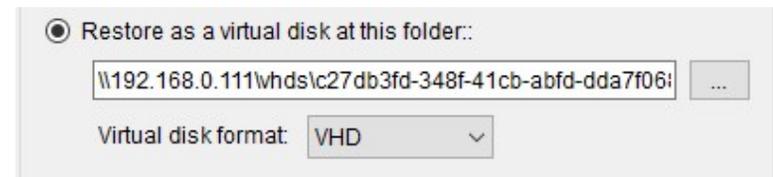
### Mount Backup Image

- Mount backup image from local storage device
- Browse and select file(s) to restore to local



### Restore Backup Image to VHD or VHDX

- Restore backup images to a VHD or VHDX at local site or cloud
- Create VM from VHD or VHDX in Hyper-V
- Option to create VHD or VHDX right after backup complete to eliminate recovery time



### Restore Backup Image to Physical Hard Drive

- Restore backup images from local storage to a hard drive of physical server

## Logs

**RSDataAgent.log** - DataAgent service logs

**RSAgentFileSystem\_<DataSet>** - Logs for DataSet. DataSet's name is appended to the log file name

## Download Logs

Log into RingStor Explorer, open Task List tab on right pane, right click the job, select Download Logs from DataAgent

