

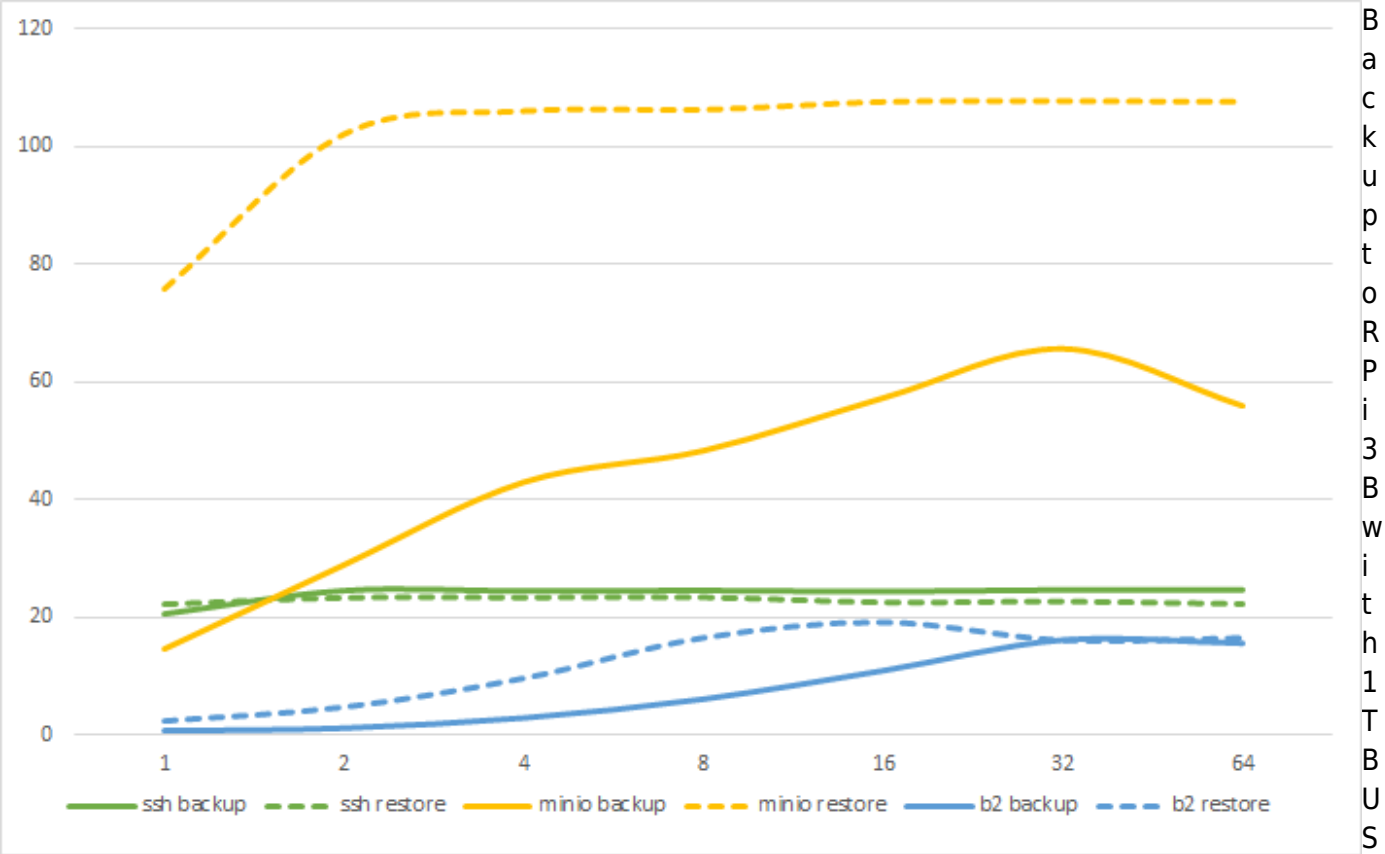
OSS backup comparison

Name	Usability				Source				Efficiency				Target								Impression
	Easy to use	Central manage	WebUI	mount backup	backup from remote without client	client-less	backup from WAN	Full system backup	dedup	Cross client dedup	comp	inc. forever	Multiple targets	Redundancy	to local	to S3	to Tape	to sftp	replicate backups	Periodic backup check	
dupliCAY	Easy	No	Yes	No		No		No	Yes	Yes	Yes	Yes	yes	Yes ¹⁾	Yes	Yes	No	Yes	Yes	Yes ²⁾	
dupliCATY	Easy	No	yes			No			Yes		Yes	Yes		No	Yes	Yes	No	Yes			
restic	Medium	No	No	Yes		No			Yes		No	Yes		No	Yes	Yes	No	Yes			
borg	Medium	Yes	No	Yes	Yes	yes			Yes		Yes	Yes		No	Yes	No	No	Yes			
kopia	Easy	Partial ³⁾	Yes		No	No	No	Yes	Yes	Yes	Yes	Yes	no	Yes ⁴⁾	Yes	Yes	No	Yes	Partial ⁵⁾	Yes	
bacula	Hard	Yes	Yes	No	Yes	No	No	Yes	No		Yes	Yes		No	Yes	No	Yes		Yes	Yes	
urbackup	Medium	Yes	Yes		yes	No	Yes	Yes	by-file system wide					No	Yes	No	No	Yes			
Proxmox backup server	Easy	No	Yes	Yes	yes	No	No	Partially ⁶⁾	Yes	Yes	Yes	Yes		No	Yes	No	Yes		Yes	Yes	⁷⁾

Benchmark

Duplicacy

	1	2	4	8	16	32	64
ssh backup	20,49	24,6	24,52	24,63	24,43	24,73	24,73
ssh restore	22,19	23,46	23,5	23,54	22,56	22,75	22,25
minio backup	14,76	29,07	43,12	48,46	57,41	65,78	56,08
minio restore	75,65	102,12	106,08	106,3	107,64	107,79	107,68
b2 backup	0,896	1,33	3,05	6,2	10,96	16,08	15,53
b2 restore	2,56	4,91	9,8	16,68	19,31	16,24	16,65



B 3.0 attached storage

- X axis - threads
- Y axis - throughput

1) 4)

,
Erasure Code protection from block corruption

2)

Missing backup block files. EC doesn't help from missing files.

3)

Manage over repository

5)

whole repo only

6)

Support VM & CT backup from PVE

7)

Good integration with ProxMox Virtual Environment, Clients only for Debian Linux and PVE, can't stage backups to cloud. Fast and easy not system hungry deduplication.

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