

7 Common Misconfigurations for Veeam® Backup *for Microsoft 365*



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Agenda

- Job config

- Exclusions

- Proxy size

- Azure VM series

- Threads

- Storage

- Immutable period



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Job configuration

Entire organization vs. entire type




New Backup Job

Select objects to back up

☐ Back up entire organization

☒ Back up the following objects:

Object ↑	Type	Process
 M365x52435948.onmicrosoft.com	Organization	All

Add...
Edit...
Remove

Edit Processing Options

Specify processing options:

- ☒ Mail
- ☒ Archive
- ☐ OneDrive
- ☐ Sites
- ☐ Teams

Next Cancel

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Exclusions

- Enumerate all users within the organization from the graph API.
- Enumerate group membership from each group.
- Compare and process only required users.

The screenshot shows two overlapping 'New Backup Job' dialog boxes. The top dialog is titled 'New Backup Job' and has a close button (X). It contains the text 'Select objects to back up' and two radio button options: 'Back up entire organization' (unselected) and 'Back up the following objects:' (selected). The bottom dialog is also titled 'New Backup Job' and has a close button (X). It contains the text 'Select objects to exclude' and a table with the following data:

Object ↑	Type	Exclude
Executives	Distribution Group	All
Finance Team	Distribution Group	All
Leadership	M365 Group	All
Legal Team	Distribution Group	All

To the right of the table are three buttons: 'Add...', 'Edit...', and 'Remove'. At the bottom of the bottom dialog are three buttons: 'Back', 'Next', and 'Cancel'.



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Proxy size

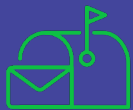
20,000 object per
8/32 proxy

Veeam Backup for Microsoft 365 Capacity Calculator

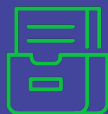
All calculation results are estimate and may differ from real-life usage scenario.

[Import Settings](#) [Export Settings](#)

	Primary mailbox	Archive mailbox	OneDrive	SharePoint
Total database size, TB:	10	15	35	0
Weekly change rate, %:	0.2	0.2	1	0
	Mailboxes:	Mailboxes:	Accounts:	Sites: ①
Quantity:	25000	10000	20000	0



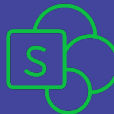
Mailbox



Archive



OneDrive



SharePoint site

Minimum recommended infrastructure sizing is:

- Veeam Backup Server: x64 processor, 4 CPU cores min and 8GB RAM minimum
- Proxy Server: x64 processor, 8 CPU cores min and 32GB RAM minimum

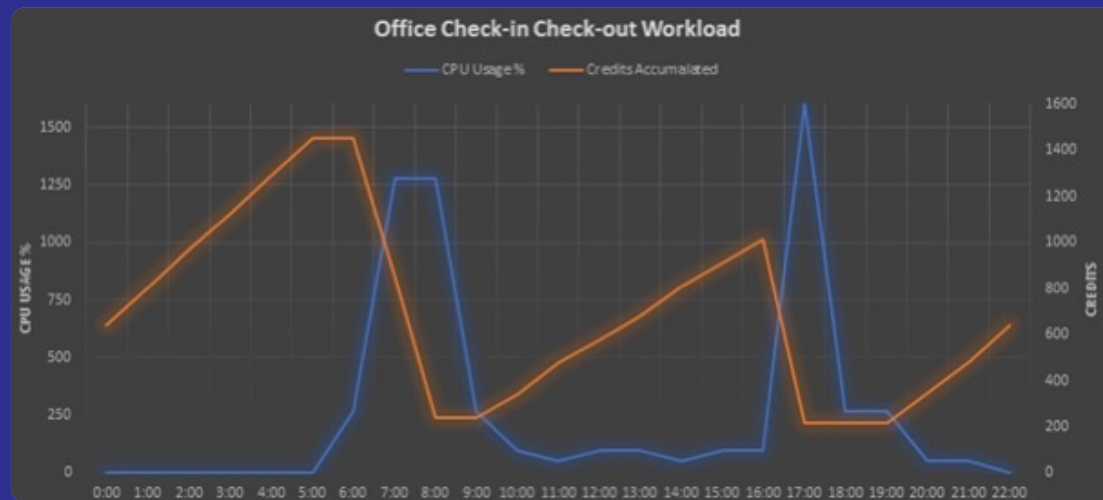
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Azure VM series

Don't use B-Series VMs for Veeam Backup for Microsoft 365

Backups are CPU intensive – burstable VMs don't fit

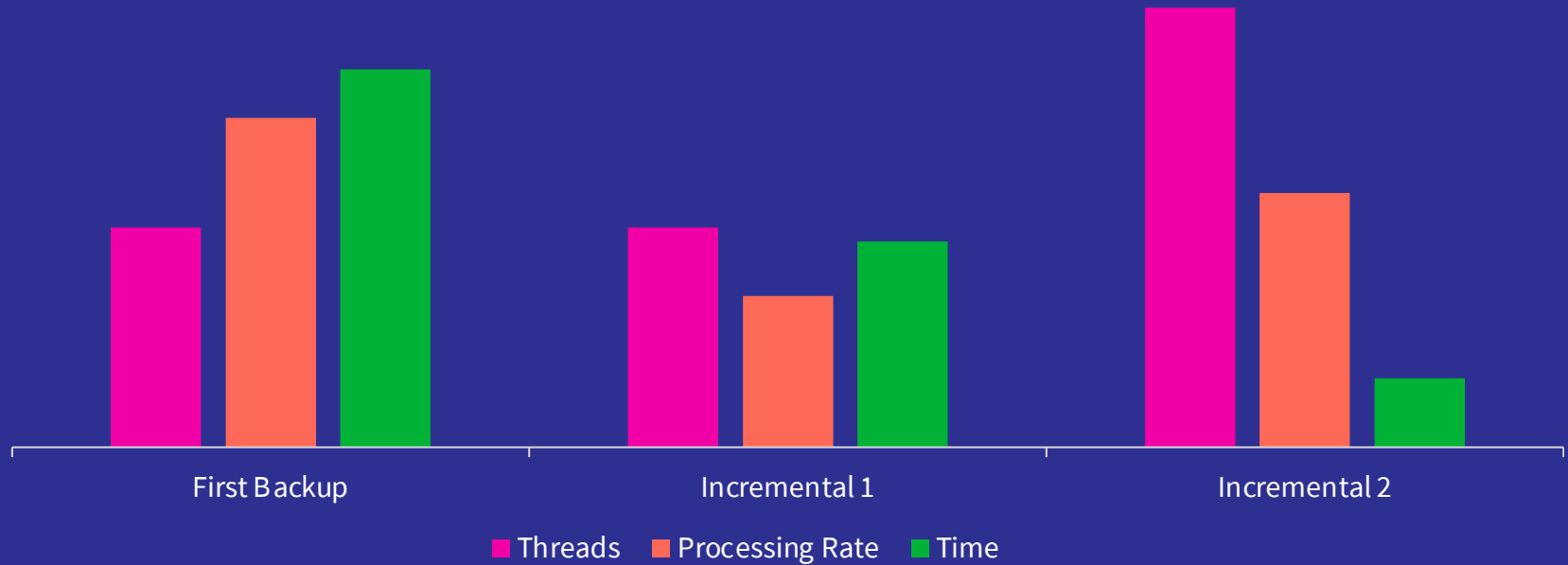


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Threads

Less can be more!



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Storage

Not all storage is equal!

Common mistakes:

1 Using SOHO NAS via SMB:
SMB via CA shares only!

2 Deduplication appliances:
Not supported!

3 Double egress fees when proxy and object storage in same cloud:
VNET endpoint (Azure) should be set up to keep data from exiting and re-entering cloud when moving from proxy to repo (or vice versa).





Immutable period



“

Forever is a very long
time, Peter.”

James M. Barrie



Make backup copies immutable for the entire duration of their retention policy. Protect backup copies from modification or deletion by ransomware, hackers, or malicious insiders using native object storage capabilities.



Thank you!

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