

SG Cloud Migration

Veeam Backup to Acronis Migration Tool

User Manual

Version – 1.0.0



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1. Ensure Veeam M365 Server is Updated & REST API is Enabled

- **Veeam M365 Server Version:** Must be **v8.0.5.20**
- **Enable REST API:** The **Veeam M365 REST API** (v8.0) must be enabled on the Veeam M365 server.
- **Obtain the Following Details:**
 - o Veeam REST API Endpoint URL
 - o Veeam M365 Server Name
 - o Veeam M365 Password

2. Modern App Authentication for M365 Organization in Veeam B&R

- Enable Modern Authentication in Veeam Backup for Microsoft 365

- o **Go to Veeam Backup for Microsoft 365 → Add Organization**
- o **Select Authentication Type:** Choose **Modern App-Only Authentication**
- o **Check the Checkbox** "Grant required permissions to this application and register its certificate in Microsoft Entra ID"
- o Obtain a **public SSL certificate** (e.g., **Sectigo, DigiCert**).
- o Ensure the Application certificate is installed on the Veeam M365 organization.

Microsoft 365 connection settings

Specify a user account to use for impersonation in Exchange Online Web Services:

Username:

Specify Microsoft Entra ID application credentials to connect to Microsoft Graph:

Application ID:

Application certificate:

Grant the required permissions to this application and register its certificate in Microsoft Entra ID.

Allow this application to enable export mode for SharePoint Web Parts. Enabling export mode is required to back up customized content of SharePoint Online sites.

Edit Organization: Note iv) M365 Admin User Name/Password and v) Application ID above.

3. Following permissions to be added for both Application & Delegated Permission Types to the Azure App in Azure Portal:

- User.ReadWrite.All
- Directory.ReadWrite.All

These permissions then need to be provided **Admin consent** in the Azure Portal – App API Permissions UI for user account and license creation in M365 Organization.

4. Extract PFX file the Public Application Certificate Installed in Step 2 with private keys in a PFX file.

[Export a certificate with its private key | Microsoft Learn](#)

[How to export a certificate in PFX format in Windows](#)

Obtain vi) App Certificate PFX File Path and vii) App Certificate Password set while exporting to PFX format

5. In the POC Demo tool, user has to check **“Editable?”** Checkbox and then provide input for the following Settings. After settings are provided click **“Update Changes”** button.

Settings

Editable? Unattended?

Veeam REST API End-point

Veeam Admin User

Veeam Admin Password

M365 Admin User

M365 Admin Password

Office Region Worldwide

Office Organization Name

ApplicationId

Application Certificate

ApplicationCertificate Pwd

ApplicationCertificate Path

Browse App Certificate Update Changes

6. Configuration Options for the Demo Tool & Migration Process

Unattended Mode

- **Enable the "Unattended?" checkbox** if you want the Demo tool to proceed with migration without user intervention.
- **Keep this checkbox unchecked** if you prefer the Demo tool to **pause at key checkpoints**, such as:
 - After restoring a mailbox
 - After restoring a restore point for a group
This allows users to manually back up data in **Acronis**, if needed.

Required Credentials & Configuration Details

- **Veeam Backup for Microsoft 365 Details**
 - Veeam REST API Endpoint → Use (i) from Step 1.
 - Veeam Admin User → Use (ii) from Step 1.
 - Veeam Admin Password → Use (iii) from Step 1.
- **Microsoft 365 Authentication Details**
 - M365 Admin User → Use (iv) from Step 2.
 - M365 Admin Password → Use (iv) from Step 2.
 - M365 Office Region → Default: "Worldwide", or select the region specific to your M365 Organization.
 - M365 Organization Name → Enter your M365 organization name as XYZ.onmicrosoft.com.
- **Application Authentication Details**
 - Application ID → Use (iv) from Step 2.
 - Application Certificate → Automatically populated when clicking "Browse App Certificate" button and selecting the .pfx file.
 - Application Certificate Path → Use (vi) from Step 4 (PFX file path) y clicking "Browse App Certificate" button.
 - Application Certificate Password → Use (vii) from Step 4.

7. Multi-Mailbox Restore Dialog - User Input Fields

The screenshot shows a dialog box titled "MultiMailBoxRestore" with the following fields and controls:

- Target Mailbox Settings:**
 - Select License: O365_BUSINESS_ESSENTIALS(30 Used out of 32)
 - Password: [Redacted]
 - Usage Location: CA
 - Target Mailbox Suffix: v2a
 - Target Backup Group Size: 1
 - Multiple Thread Count: 2
- Buttons:** Start Restore, Cancel
- Restore Status:**
 - Group (1 of 1)
 - Processing Started for RestorePoint - 2025-02-24T05:04:20.522086Z(1 of 1)
 - Processing Started for Mailbox - Jay_v2a@storageguardian.com
- Table:**

Group	Mailbox	Status
1	Jay_v2a@storageguardian.com	Working.....

When users select one or more mailboxes for restoration, they must provide the following details:

- **M365 License SKU Selection**
 - Select an M365 License SKU from the available options.
 - The dropdown displays Used vs. Total License Count to help users choose appropriately.
- **Password for Restored Intermediate Mailbox**
 - Users need to set a password for the temporary mailbox.
- **Usage Location**
 - The location where the mailbox will be restored.
 - Default: CA (Canada).
- **Target Mailbox Suffix**
 - A suffix added to the Source Mailbox Name to generate the Intermediary Mailbox Name.
 - Default value is v2a.
 - The POC Demo tool automatically creates this intermediary mailbox.

- **Target Backup Group Size**
 - If the number of free licenses is less than the number of mailboxes to restore, restoration is done in batches.
 - Default value: 2 (auto-adjusted by the tool).
- **Multiple Thread Count**
 - Default value: 2 (for developer testing).
 - Do not modify this setting unless instructed.
- **Additional Notes**
 - The Intermediary Mailbox is to be backed up by user to Acronis for each Restore Point.
 - It is recommended to leave the 'Unattended' checkbox unchecked, so users can manually back up the mailbox before proceeding to next Mailbox or Restore Point in the Demo tool.