

# Release Notes

Tina 2021 R1



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## 1. New features

### 1.1. GVA for Nutanix

Tina 2021 R1 introduces support for the Nutanix AHV agent. You can now back up and restore virtual machines (VM) from a Nutanix AHV infrastructure. The Nutanix AHV agent is an application that runs on a host configured as a Tina agent or server.

The Nutanix AHV application consists of:

- A Generic Virtualization Agent (GVA).
- An adapter that allows the GVA to communicate with the virtualization infrastructure.

For information on configuration details, see [Tina for Nutanix Documentation](#).

#### Main features:

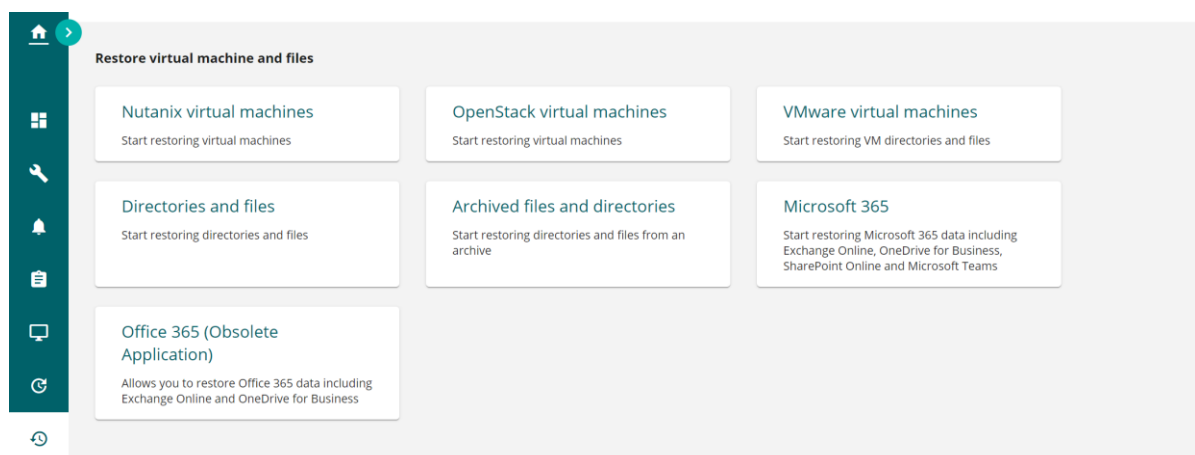
- Backup and restore of complete virtual machines (vault backup and restore).
- Incremental backup of VM.
- Restore of one or more VM at a time, either in place or out of place.
- Restore of individual components of a VM (e.g., a disk) from a Nutanix cluster locally on the server as a file.
- Restore of individual components of the infrastructure (e.g., networks, flavors, and images).
- Changed Block Tracking (CBT) option that enhances the backup performance of Nutanix AHV virtual disks.

#### Limitations:

- Backup to HVDS is not supported.

### 1.2. GVA for OpenStack

Tina 2021 R1 introduces new features for the OpenStack agent. You can now perform incremental backup of virtual machines (VM) and restore individual files from a VM of an OpenStack infrastructure. The OpenStack agent is an application that runs on a host configured as a Tina agent or server.



The OpenStack application consists of:

- A Generic Virtualization Agent (GVA).
- An adapter that allows the GVA to communicate with the virtualization infrastructure.

For information on configuration details, see Tina for OpenStack Documentation.

**Main new features:**

- Incremental backup of VM.
- New environment variables.

**Limitations:**

- Backup to HVDS is not supported.

### 1.3. Web Admin Console

The new web UI (HTML) for administration, configuration, and supervision of backup activity has evolved. The main features in Tina 2021 R1 include:

- New web UI restore process for Nutanix.
- New web UI restore process for VMware files.
- New web UI restore process for List and File System applications.
- Direct backup from the Agents tab.
- Option to put cartridges offline.
- Task management in the settings.
- Operator request management.

Features for various components will be progressively added to the new web UI. The features that have not yet been developed in this interface remain available via the classic administration interface or the web UI (flash).

**Limitations:**

- No indexing in the catalog.
- Restore of a directory with its tree view is not supported.

### 1.4. Microsoft 365

Tina 2021 R1 introduces a new Microsoft 365 agent that supports new applications in the Microsoft 365 suite. You can now back up and restore data from the new web administration UI.

**Main features:**

- Backup and restore of emails, attachments, contacts, tasks, group mailboxes, and calendars from Microsoft Exchange Online.
- Backup and restore of files and folders from Microsoft OneDrive for Business.

- Backup and restore of channels, messages, files, sites, and site settings from Microsoft Teams.
- Backup and restore the content of sites, subsites, libraries, files, folders, and sites settings from Microsoft SharePoint Online.

**Limitations:**

See the detailed list in the Known Issues section below.

**Note:**

**Office 365 backups are still supported by Tina. However, we advise you to run full backups of your Microsoft 365 environment from Tina 4.6.9 to optimize the operation and guarantee the integrity of your backups.**

## 2. Compatibility

Tina Operating System compatibility has been enlarged to:

- NDMP on ONTAP 9.9.1
- NDMP on Unity 5.5.1
- RHEL 8.4.

For more details, please refer to the [Compatibility Guide](#).

Tina is now compatible with LTO-9 tape drives.

**Note: Each LTO-9 tape mounted for the first time is automatically characterized by the drive. This mandatory process may take up to 2 hours.**

For more details, please refer to the [Hardware Compatibility Guide](#).

## 3. Known Issues

### 3.1. Limitation on folders

In the OneDrive restore wizard, the web UI allows to restore files to a different OneDrive folder than the original user's folder whereas this option has not been implemented. Although it is possible to launch the restore process, the file is not restored in the indicated OneDrive folder and no error or warning message appears. This case also applies if the target folder of the original user no longer exists when the restore process as the folder will not be recreated automatically.

### 3.2. Limitation on parentheses

In any restore operation of a Microsoft 365 application, the restore fails if the target restore folder name contains an opening parenthesis "(" or closing parenthesis ")".

### 3.3. Limitations on Microsoft Exchange Online

- Emails backed up with Microsoft Graph cannot be restored with EWS, and vice versa.
- It is not possible to restore an email found with Tina's email search tool. When synchronizing, the "user" node is missing. You must unfold the tree to the email to restore it.
- Contact profile pictures cannot be backed up.
- Events in read-only calendars cannot be restored to their original calendar.
- The date of calendar items is not displayed (only their name is visible).
- Attachments of calendar items cannot be backed up.

### 3.4. Limitations on Microsoft OneDrive for Business

- Restore of OneDrive content to a different user's OneDrive is not supported.
- A timeout may occur only in some rare cases and without interrupting the backup process.

### 3.5. Limitations on Microsoft Teams

- Guest members of a team cannot be restored.
- Messages from a channel cannot be restored to the Microsoft Teams infrastructure (only possible on the file system).
- Restore of channel files from another team is not supported.
- No support for channel members, channel tabs, applications, and chats between users.

### 3.6. Limitations on Microsoft SharePoint Online

- Pages cannot be backed up.
- Files can only be restored to the same original root folder and its sub-folders.
- Some list columns cannot be restored (e.g., Location, Images).
- Restore granularity is limited to the list level.

## 4. Support & Download

To download the latest version of Tina, please visit our Customer Portal: <https://support.atempo.com>

If you have not received your connection information, please contact our Support team:

Via email : [support@atempo.com](mailto:support@atempo.com)

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