

Release Notes

Tina 2021



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1. New features

1.1. Direct backup to cloud (S3)

Tina now supports the Generic S3 protocol (Simple Storage Service). This Internet protocol is designed to make web-scale Object Storage easier for customers. The integration between Tina and the Generic S3 Protocol technology enables you to:

- configure the cloud as an object storage destination to address generic S3 servers directly on premises or in the compatible clouds.
- plan backups of different applications, platforms, and filesystems.

Limitations:

- Only Direct backup to cloud is supported.
- Data are stored in file format on the S3 storage.
- Direct backup to cloud is not compatible with HVA (VMWare, Hyper-V).

In terms of configuration, you can add a cloud storage and manage backup activity in Tina's new web UI (html).

See Chapter 5 in Tina Getting Started Documentation for more information about cloud storage configuration.

1.2. OpenStack Agent

Tina 2021 introduces support for the OpenStack Agent. You can now backup and restore virtual machines from 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 to allow the GVA to communicate with the virtualization infrastructure.

See Tina for OpenStack Documentation about configuration details.

Main features:

- Backup and restore of complete virtual machines (vault backup and restore).
- Restore of individual components (e.g. a disk) of a virtual machine to a file on the Tina agent.
- Restore of individual components of the infrastructure (e.g. networks, flavors, and images).

Limitations:

- Incremental backups are not supported.

1.3. Web Admin V2

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

- New dashboard tile “Restore reliability”
- Detailed catalog and license information
- Backup to cloud (S3) configuration
- Snapshot strategy
- Snapshot management
- Agent/Host configuration (NDMP, vStorage, Office 365, Fast File Scan)
- Alarm filtering
- Event notifications
- Tunables
- User templates
- RMAN script writer

See Tina Getting Started Documentation for more information. Some of Tina's features have not yet been developed in this interface. These features continue to be available through the classic Administration or the web UI (flash).

We will be adding functionality for various components in the next release, Tina 2021 R1.

2. Enhancements

2.1. New tunables

There are new tunables:

- `tina_accounting_max_fuzzy_objects`
This allows to set the maximum number of logged files. Default value is 20.
- `clt_set_cloud_requests_debug_log_file`
This allows to define the name of the logging file.
- `clt_set_cloud_requests_debug_level`
This allows to define debug tracing level when initializing the cloud.

3. Compatibility

Tina Operating System compatibility has been enlarged to Red Hat 8.2.

For more details, please refer to the compatibility guide.

4. Known Issues

4.1. VMWare tag filter not restored

Tags applied to a VM at creation are not applied or restored when the VM is restored.

4.2. Huawei OceanStor: files with special characters not restored

On OceanStor, files with the special characters éè\$ee are not restored. When backing up a file with these characters, there is an instance, but the file is not restored. However, the restore job appears in green, with no errors.

4.3. Automatic File Restore of Data Encrypted with SCM

Security and Compliance Manager (SCM) is a module that can be used as a framework to encrypt data on physical or virtual tape. When using the VMWare or Hyper-V application to back up data that has been encrypted with SCM, automatic file restore is not supported in Tina 2021. Only vault restore and File mode (File Manual) for the restore of individual files are available.

Example: A VMWare application has been configured to be encrypted on tape. Once the encrypted data has been saved, it can be restored and therefore decrypted at the time of the restore. When you want to perform the automatic file restore, the certificate password to decrypt the data is not requested. As a result, the data cannot be decrypted and the restore will fail.

4.4. Agent installed in batch mode: electron connect with the wrong protocol

When a Tina agent is installed in batch mode, electron tries to connect with the "http:" protocol instead of "https:".

4.5. ARRS Module not available on Red Hat 8

When you install or upgrade Tina 2021 on Red Hat 8 or Cent OS 8, the installation of the product is done correctly but the ARRS (Report & Statistics) module is not available. This is due to an HTTP error on the **Atempo Web Interfaces** installation that will appear at the end of the setup.

4.6. Office 365 not supported on SUSE Linux Enterprise Server

Office 365 application is not supported on SUSE Linux Enterprise Server 12 SP1 (x86_64).

4.7. Crash when searching for an Office 365 object on Linux

Under Linux, in Tina's Office 365 application, a crash occurs when searching for an Office 365 object.

4.8. Office 365 not supported on Tina Agent

In the new web UI (html) for Administration, Office 365 can only be configured on a Tina Server. Tina Agent does not support the Office 365 application.

4.9. XFS v3 not supported for VMware

VMware: if a VM has XFS V3, it is not possible to perform an indexing backup for that VM.

4.10. Office 365: Restoring emails to filesystem not supported when backed up with previous version

Emails backed up with a previous Tina version using **ExportItem** instead of **GetItem**, cannot be restored on the filesystem as an EML file. Only a restore to the user's mailbox is supported.

If emails are backed up with Tina 2021 and the environment variable O365_USE_GETITEM_VALUE is set to ON, restore to the filesystem is available.

5. 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

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