

Parallels[®] Plesk Panel

Parallels Plesk Panel 9.5 for Linux/Unix Acronis True Image Server Module Administrator's Guide

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Preface

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Typographical Conventions

The following kinds of formatting in the text identify special information.

Formatting convention	Type of Information	Example
Special Bold	Items you must select, such as menu options, command buttons, or items in a list.	Go to the QoS tab.
	Titles of chapters, sections, and subsections.	Read the Basic Administration chapter.
<i>Italics</i>	Used to emphasize the importance of a point, to introduce a term or to designate a command line placeholder, which is to be replaced with a real name or value.	The system supports the so called <i>wildcard character</i> search.
Monospace	The names of style sheet selectors, files and directories, and CSS fragments.	The license file is called <code>license.key</code> .

Preformatted Bold	What you type, contrasted with on-screen computer output.	Unix/Linux: # cd /root/rpms/php Windows: >cd %myfolder%
Preformatted	On-screen computer output in your command-line sessions; source code in XML, C++, or other programming languages.	Unix/Linux: # ls -al /files total 14470 Windows: >ping localhost Reply from 127.0.0.1: bytes=32 time<1ms TTL=128

Feedback

If you have found an error in this guide, or if you have suggestions or ideas on how to improve this guide, please send your feedback using the online form at <http://www.parallels.com/en/support/usersdoc/>. Please include in your report the guide's title, chapter and section titles, and the fragment of text in which you have found an error.

About Acronis True Image Server Management Module

The Parallels Plesk Panel-integrated Acronis True Image Server management module (hereafter referred to as the ATIS management module) provides a graphical interface to manage the Acronis True Image Server (ATIS) for Linux application installed on the same Parallels Plesk Panel-enabled server. Acronis True Image Server creates server disk backup images without interrupting server operations and allows for easy and fast recovery of the entire system.

Using this ATIS management module, the Parallels Plesk Panel administrator can schedule backup tasks, launch manually backup tasks, select the compression level for backup images, set up passwords to protect backup images, etc.

This document describes how to work with the ATIS module for Parallels Plesk Panel. Therefore, this guide does not cover the entire ATIS functionality. If you have questions related to the use of the Acronis True Image Server application, please refer to the relevant documentation.

Installing ATIS Management Module

This chapter describes how to install the ATIS management module on a server where Parallels Plesk Panel is installed.

In this chapter:

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Installation Requirements

For normal operation of the ATIS module, your server must meet the following hardware and software requirements:

- Parallels Plesk Panel version 8.0 or later

Acronis True Image Server for Linux version 8.0 or later, installed on the same server where Parallels Plesk Panel is installed

- 3 MB of disk space available
- One of the operating systems supported by Acronis True Image Server *for Linux*

Note: You must install and configure Acronis True Image Server independently of the Parallels Plesk Panel-integrated management module. You must also have a valid license key for the ATIS application. You can purchase and install this license key through Parallels Plesk Panel (**Server > License Management > Order Control Panel Add-ons**). If Acronis True Image Server for Linux is not installed on your Parallels Plesk Panel-enabled server, you can still install the ATIS management module but cannot use it.

Important:

- The ATIS management module and Acronis True Image Server application cannot be used in Virtuozzo virtual environments.
- The ATIS management module does not run under the FreeBSD operating system because the Acronis True Image Server application does not support FreeBSD.

Installing ATIS Management Module

You can install the module using one of the two methods:

- using the module management feature available in the Parallels Plesk Panel interface;
- from the command line.

➤ ***To install the module from the Parallels Plesk Panel interface:***

1. In the Parallels Plesk Panel navigation pane, click **Modules**.
2. Under **Tools**, click **Manage Modules**.
3. Click **Add Module**.
4. On the **Upload New Module** page, enter the path to the module package file or use **Browse...** to locate the file.

The module package must have either the `.rpm` or `.deb` extensions.

5. Click **OK**.

The package will be extracted and installed to the proper location. After installation, the module appears as the **Acronis True Image Server Management Module** button on the **Modules** page.

➤ ***To install the module from the command line:***

To install from the `.rpm` package:

- Run the `.rpm` package using the `rpm -Uhv *.rpm` command.

To install from the `.deb` package:

- Run the `.deb` package using the `dpkg -i *.deb` command

Using ATIS Management Module

This chapter describes how to manage the Acronis True Image Server *for Linux* application using the ATIS management module interface.

In this chapter:

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Logging Into Module

You can log into the ATIS management module only if you are logged under the Parallels Plesk Panel administrator's account.

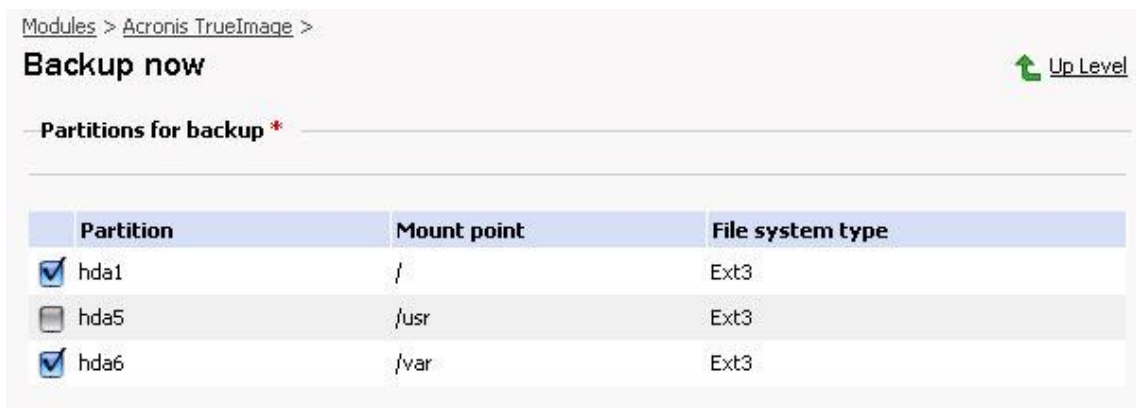
➤ *To log into the ATIS management module:*

1. In the Parallels Plesk Panel navigation pane, click **Modules**.
2. Click the **Acronis True Image Server management module for Plesk** icon to start managing the ATIS application.

Creating Backup Image

➤ **To create a backup image of your server disk:**

1. On the **Tasks** tab of the ATIS module main page, click **Backup Now**.
2. Under **Partitions for backup**, select the hard disk partition for which want to create a backup file.



Modules > Acronis TrueImage >

Backup now [Up Level](#)

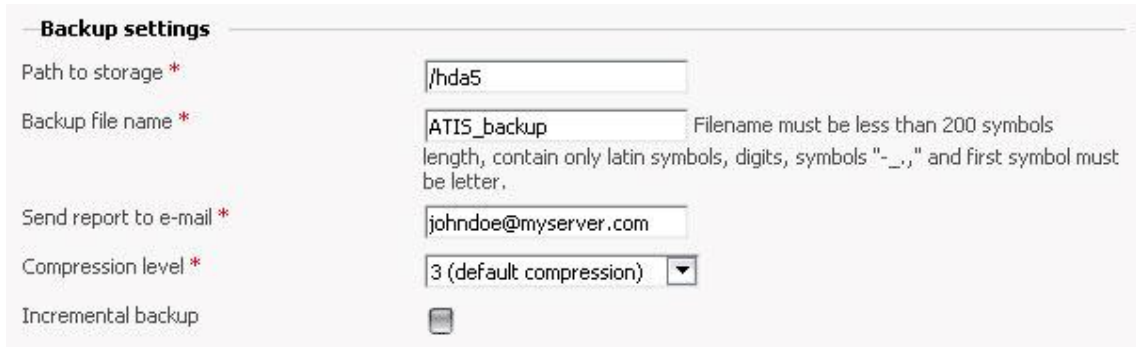
Partitions for backup *

Partition	Mount point	File system type
<input checked="" type="checkbox"/> hda1	/	Ext3
<input type="checkbox"/> hda5	/usr	Ext3
<input checked="" type="checkbox"/> hda6	/var	Ext3

Figure 1: Selecting partitions for backup

The list of partitions shows the hard disk structure of your server, including the relative path point and the type of disk file systems (**Mount point** and **File system type** column). You must select at least one partition for backup. You can select a random set of partitions.

3. Under **Backup settings**, specify the following settings of backing up:



Backup settings

Path to storage *

Backup file name * Filename must be less than 200 symbols length, contain only latin symbols, digits, symbols "-", "_", and first symbol must be letter.

Send report to e-mail *

Compression level * ▼

Incremental backup

Figure 2: Selecting backup options

- **Path to storage** - Enter the path to an existing directory where backup file will be saved; for example, `/backup` or `/var/backup`.

You can configure Acronis True Image Server to save backup files on both hard and removable drives.

- **Backup file name** - Type the name of the backup file.

The name can contain only latin symbols, digits, and “-_,.” symbols. The name must start with a letter only. The maximum number of symbols is 200.

- **Send report to e-mail** - Specify an e-mail address that will be used to send reports on the results of backup creation (both successful and unsuccessful).
- **Compression level** - Select the compression level for the backup file.

The items in this drop-down list range from 0 (no compression) to 9 (maximum compression). If you select 0, the backup will be imaged without any compression, which will increase the backup file size. If you select the maximum compression level, it will take longer for the application to create the backup. It is recommended that you set the compression level to medium values, for example 4 or 5.

- **Incremental backup** - Select this check box to create an incremental backup file. Leave this check box blank to create a complete backup of the selected partition(s).

Complete backup images contain all sectors within the selected partition(s), including operating system files and your data. Incremental backup images include only the data that has changed since the last time a backup was created. Incremental backup file names are created as follows: if the first complete backup file is `tmp.tib`, the subsequent incremental backup files will be named as `tmp1.tib`, `tmp2.tib`, etc.

Thus, if you are creating a backup for this partition(s) for the first time or you have made significant changes to the system after the last time the backup was created, it is better to create a complete backup. If you have recently created a backup image of the selected partition(s), incremental backup is recommended.

4. Select the **Use password protection** check box to protect the backup file with a password and enter your password in the fields below.

The maximum password length is 30 symbols.

5. Click **OK**.

Managing Scheduled Backup Tasks

Using the ATIS management module interface, you can schedule crontab to start backup imaging tasks at specified time. The tasks will be performed by the ATIS application installed on your server.

➤ **To schedule a new backup task:**

1. On the **Tasks** tab of the ATIS module main page, click **Schedule New Backup**.
2. Under **Backup time**, specify the schedule for the backup task:

Modules > Acronis TrueImage >

Create new backup task [Up Level](#)

Backup time

Period * Weekly

Backup day * Sun

Backup time * 21 Hours 21 Minutes

Figure 3: Setting up backup task schedule

- In the **Period** box, select the frequency of task performance.
If you set the frequency to *weekly* or *monthly*, select the **Backup day** from the list below.
 - In the **Backup time** box, specify the time for task launch.
3. Specify other settings for the scheduled backup task:
 - a. Under **Partitions for backup**, select the hard disk partition for which want to create a backup file.

Partitions for backup *

Partition	Mount point	File system type
<input checked="" type="checkbox"/> hda1	/	Ext3
<input type="checkbox"/> hda5	/usr	Ext3
<input checked="" type="checkbox"/> hda6	/var	Ext3

Figure 4: Selecting partitions for backup

The list of partitions shows the hard disk structure of your server, including the relative path point and the type of disk file systems (**Mount point** and **File system type** column). You must select at least one partition for backup. You can select a random set of partitions.

- b. Under **Backup** settings, specify the following settings of backing up:

The screenshot shows the 'Backup settings' section of a web interface. It contains the following fields and options:

- Path to storage ***: A text input field containing the value `/hda5`.
- Backup file name ***: A text input field containing `ATIS_backup`. To the right of the field is a note: "Filename must be less than 200 symbols length, contain only latin symbols, digits, symbols '-_,' and first symbol must be letter."
- Send report to e-mail ***: A text input field containing `john.doe@myserver.com`.
- Compression level ***: A dropdown menu with the selected option being `3 (default compression)`.
- Incremental backup**: A checkbox that is currently unchecked.

Figure 5: Selecting backup options

- **Path to storage** - Enter the path to an existing directory where backup file will be saved; for example, `/backup` or `/var/backup`.

You can configure Acronis True Image Server to save backup files on both hard and removable drives.
- **Backup file name** - Type the name of the backup file.

The name can contain only latin symbols, digits, and “-_,.” symbols. The name must start with a letter only. The maximum number of symbols is 200.
- **Send report to e-mail** - Specify an e-mail address that will be used to send reports on the results of backup creation (both successful and unsuccessful).
- **Compression level** - Select the compression level for the backup file.

The items in this drop-down list range from 0 (no compression) to 9 (maximum compression). If you select 0, the backup will be imaged without any compression, which will increase the backup file size. If you select the maximum compression level, it will take longer for the application to create the backup. It is recommended that you set the compression level to medium values, for example 4 or 5.
- **Incremental backup** - Select this check box to create an incremental backup file. Leave this check box blank to create a complete backup of the selected partition(s).

Complete backup images contain all sectors within the selected partition(s), including operating system files and your data. Incremental backup images includes only the data that have changed since the last time a backup was created. Incremental backup file names are created as follows: if the first complete backup file is `tmp.tib`, the subsequent incremental backup files will be named as `tmp1.tib`, `tmp2.tib`, etc.

Thus, if you are creating a backup for this partition(s) for the first time or you have made significant changes to the system after the last time the backup was created, it is better to create a complete backup. If you have recently created a backup image of the selected partition(s), incremental backup is recommended.

- a. Select the **Use password protection** check box to protect the backup file with a password and enter your password in the fields below.

The maximum password length is 30 symbols.

4. Click **OK** to create a scheduled backup task.

After the scheduled task creation procedure is complete, the backup creation task will appear in the list of scheduled backup tasks and in the list of cron tasks for superuser (root).

Period ▲	Backup time	Path to storage	Partitions for backup	<input type="checkbox"/>
Weekly	Every Sun at 21:21:00	/usr	sda1	<input type="checkbox"/>

Figure 6: List of scheduled backup tasks

Note: To view the task in crontab, select **Server** in the navigation pane and click **Crontab** on the Server administration page.

➤ **To remove a scheduled backup task:**

1. In the list of tasks, select the check box that corresponds to the task you want to delete and click **Remove Selected**.
2. On the next page, confirm task removal and click **OK**.

The task will be removed from the list of scheduled backup tasks in the module and from the cron tasks.

To edit settings of a scheduled backup task, click the frequency of the task in the **Period** column and edit task settings on the next page.

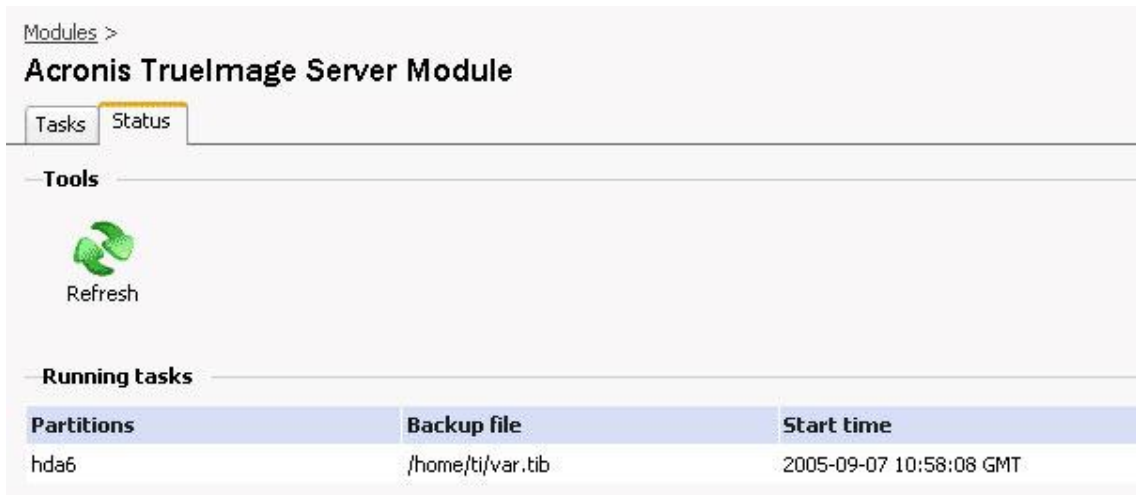
Viewing Status of Running Tasks

➤ **To view the status of running backup creation task:**

1. On the ATIS Module main page, click the **Status** tab.

In the list below the running tasks are displayed. You can view the partition that is being backed up, the path to the backup file, and the task start time.

2. Click **Refresh** to refresh the list of tasks.



The screenshot shows the ATIS Management Module interface. At the top, there is a breadcrumb trail 'Modules >' and the title 'Acronis TrueImage Server Module'. Below the title, there are two tabs: 'Tasks' and 'Status', with 'Status' being the active tab. Under the 'Tools' section, there is a green circular refresh icon and the text 'Refresh'. Below this, the 'Running tasks' section is displayed as a table with the following data:

Partitions	Backup file	Start time
hda6	/home/tj/var.tib	2005-09-07 10:58:08 GMT

Figure 7: Viewing status of scheduled backup tasks

Restoring Data

➤ *To restore data from backup files:*

1. Log in to the server as root.
2. Issue the command `/usr/sbin/trueimage`.
Acronis True Image Server application interface opens.
3. Click the **Recovery** icon.
4. Click **Next >**.
5. Select the archive file.
6. Click **Next >**.
7. Specify the directory where you want to restore the data.
8. Click **Next >**.
9. Select files and directories to restore. You can choose to restore all data or browse the archive contents and select the desired directories and files. Click **Next >**.
10. Select the options for restoration process (that is, pre/post restoration commands, restoration process priority, and so on). You may use the default options or set the options manually.
11. Click **Next >**.
12. If you do not want to restore files of specific types from the archive, set the filters. You can apply custom filters, using the common masking rules. For example, to exclude all files with extension `.tib`, add `*.tib` mask. `My???.tib` mask will reject all `.tib` files with names, consisting of five symbols and starting with “my”.
13. Click **Next >**.
14. The next selection allows you to keep useful data changes, made since the selected backup. Choose what to do if the program finds in the target directory a file with the same name as in the archive:
 - **Overwrite existing file** – this will give the archived file unconditional priority over the file on the hard disk.
 - **Overwrite existing file if it is older** – this will give the priority to the most recent file modification, whether it is in the archive or on the disk.
 - **Do not overwrite existing file** – this will give the file on the hard disk unconditional priority over the archived file.

15. At the final step, the restoration summary is displayed. Up to this point, you can click < **Back** to make changes in the created task. Click **Proceed** to launch the task execution.
16. The task appears on the **Active tasks** pane of the main window. The task progress will be shown in the special window. You can stop the procedure by clicking **Cancel**. Please keep in mind that the aborted procedure still may cause changes in the destination directory.