

Quick Start Guide

Resco Backup for Pocket PC v1.01

1	About Resco Backup.....	2
2	Requirements, Installation, Purchase.....	3
3	Quick Tour.....	4
4	Other techniques	7
4.1	Projects.....	7
4.2	Scheduler.....	8
4.3	Security	8
4.4	Other possibilities	9
5	Restore	9

1 About Resco Backup

Resco Backup can create backups of data on your Pocket PC device, schedule them to occur at intervals of your choice and restore them when needed. The data can be saved to the attached memory card or any connected drive in general.

Resco Backup offers:

- High reliability
- High speed
- Very good compression
- Strong encryption (based on the industrial standard AES)
- Full or incremental (fast) backup
- Backup scheduler
- Basic or advanced GUI acc. to the user preferences

Advanced features:

- Backup projects (separate backup of sensitive data such as messages, contacts...)
- Multiple backup sets
- Multi-user support
- Partial backup and restore
- Comparison of the backup set vs. device
- Comparison of 2 backup sets
- Open format (backup sets are zip archives)

Next paragraphs contain a small tutorial that you can follow in order to get basic experience and then briefly discuss other possibilities offered by Resco Backup.

2 Requirements, Installation, Purchase

Requirements

- Windows Mobile 5.0 and higher. **Smartphones are unsupported.**
- Microsoft ActiveSync 3.6 or later (for the desktop installation only)
- 500 kB free memory in the device

Installation

Download and install either exe installer (Windows users) or CAB installer (any user).

Resco Backup comes with a **free 14-day trial**. The trial version offers full functionality, except that it stops working after 14 days. After the expiration you have to either purchase the unlock key or install a trial of a higher version.

Uninstallation

Go to *Windows Start Menu > Settings > System tab > Remove programs*, then select Resco Backup and tap on [Remove]

Purchase

Online delivery of Resco Backup licenses and related product keys is available for credit card orders placed via Internet. For the buy link see *Menu > Help > About*.

After placing an order you will receive e-mail with the unlock code that will be needed for the registration. This code allows unlimited use of the purchased version.

Registration

- Open the registration dialog by tapping *Menu > Options > Registration...*
- [Owner] field is already filled with the device owner name. It must be identical to the owner name used in the purchase order. (See the registration e-mail.)
- Enter the code from the registration e-mail into the [Code] field and tap [OK].

When registration fails:

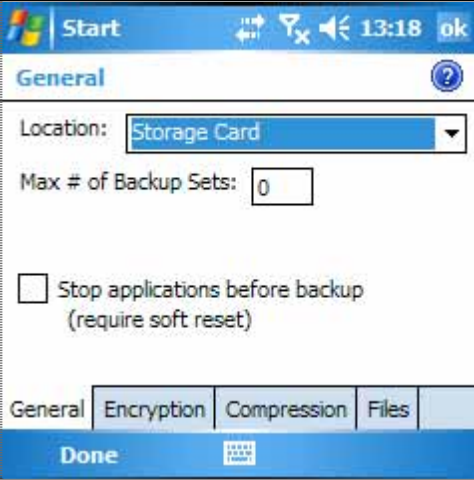

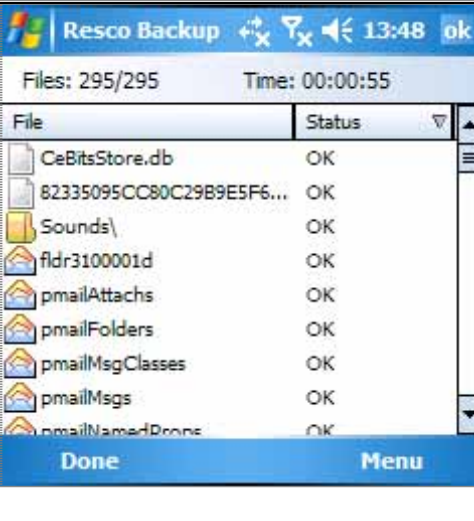
- The owner name must match (**case sensitive!**) the name used for the purchase.
- Use default keyboard when typing.
- Contact our support center at **support@resco.net**.

Upgrades

All legal users have the opportunity to download updated versions and get registration code for free during the 1st year since the purchase date. Later, they can take advantage of a 50% discount for the next year's updates.

To retrieve the registration code or the discount code visit **www.resco.net/regcode.asp**.

3 Quick Tour

	<p>First Contact</p> <p>This screen will display when you launch Resco Backup for the first time.</p> <p>It lets you customize the backup, i.e. to setup where the backup data will be stored, which method will be used etc.</p> <p>For the time being we recommend to leave the predefined settings and simply click “Done”. The project is setup to backup the complete device (Messages, PIM, Registry, Databases and the whole file system).</p>																				
	<p>Basic Screen</p> <p>Besides the two big buttons BACKUP and RESTORE, the screen informs you about the date, time and completion status of the last backup as well as the date and time of the nearest scheduled backup.</p>																				
 <table border="1" data-bbox="240 1381 711 1717"> <thead> <tr> <th>File</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>CeBitsStore.db</td> <td>OK</td> </tr> <tr> <td>82335095CC80C29B9E5F6...</td> <td>OK</td> </tr> <tr> <td>Sounds\</td> <td>OK</td> </tr> <tr> <td>fldr3100001d</td> <td>OK</td> </tr> <tr> <td>pmailAttachs</td> <td>OK</td> </tr> <tr> <td>pmailFolders</td> <td>OK</td> </tr> <tr> <td>pmailMsgClasses</td> <td>OK</td> </tr> <tr> <td>pmailMsgs</td> <td>OK</td> </tr> <tr> <td>pmailNamedBoons</td> <td>OK</td> </tr> </tbody> </table>	File	Status	CeBitsStore.db	OK	82335095CC80C29B9E5F6...	OK	Sounds\	OK	fldr3100001d	OK	pmailAttachs	OK	pmailFolders	OK	pmailMsgClasses	OK	pmailMsgs	OK	pmailNamedBoons	OK	<p>First Backup</p> <p>Let’s start and press the big BACKUP button. First backup will take a while.</p> <p>At the end you will get the summary screen with the option to preview full details. If anything went wrong, the details list would start with red items containing brief error text.</p> <p>Tap any row and you’ll get additional explanation about that item.</p> <p>The result of the backup is called a backup set. Depending on your preferences you can have multiple backup sets.</p>
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After Backup

Main screen changed: The green icon says the backup was completed successfully. If you tap the status icon, you get additional explanation. This is useful when you see the error icon.

Press *Backup* again. Unlike the first backup, this one will be much faster as it updates only modified files. (We call this **incremental backup** or **Update**.)



Other Tools

New Backup – creates a new *backup set*. You can have as many backup sets as you wish.

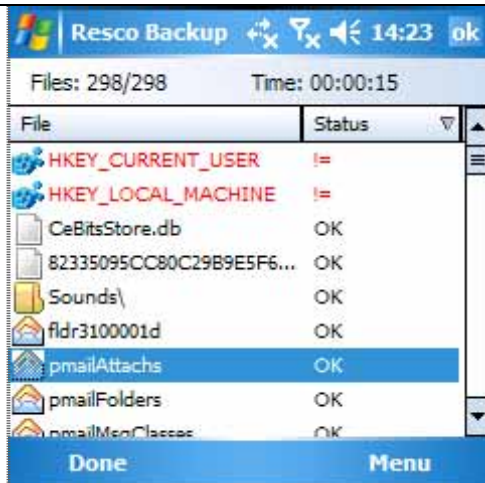
Update – brings the last backup set up-to-date by storing just modified files. When you tap Backup button, you do actually Update.

Verify – checks whether the last backup is up-to-date. It compares byte-by-byte your device content against the data stored in backup.

Backup Sets – shows the list of all backup sets.

Setup – use to customize the backup, i.e. select files you want to store, set encryption or compression.

Schedule - allows you to setup backups performed regularly in your absence.



Select **Verify** to check the backup set. The figure shows sample results:

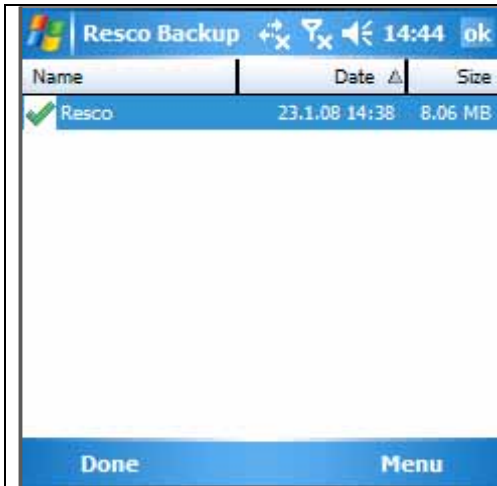
There are 2 differences (*!=* means *not equal*). Such files should be normally updated, but in case of registry items the differences are normal.

OK indicates that files are equal.

Tap any row to get additional information about the status of the respective file.

Verify provides:

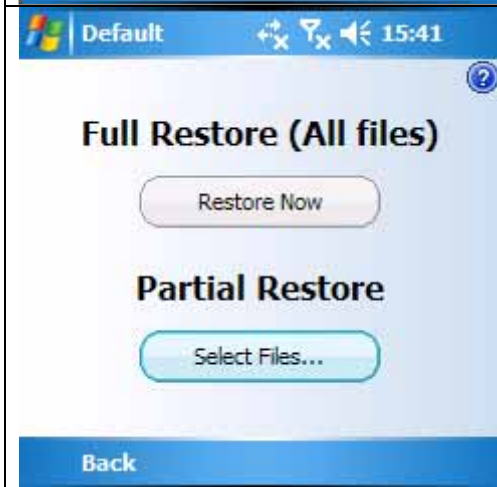
- Error checking
- Info about the files that are not up-to-date.
- Targeted update: Select Menu->*Update* to backup all different items.



Restore

While Backup creates a safety copy of your files, Restore does the opposite — it returns the PDA to the state saved in the past.

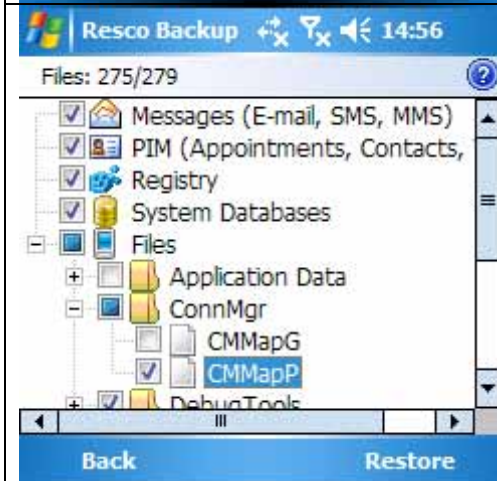
To see the Restore in action return to the main screen and press *Restore*. Then choose a backup set and select Menu->Restore.



The next Restore screen allows you to select the restore type:

Full Restore should be used after hard reset. Remember this rule, it can save you from future problems.

Partial Restore allows selection of just those files you want.




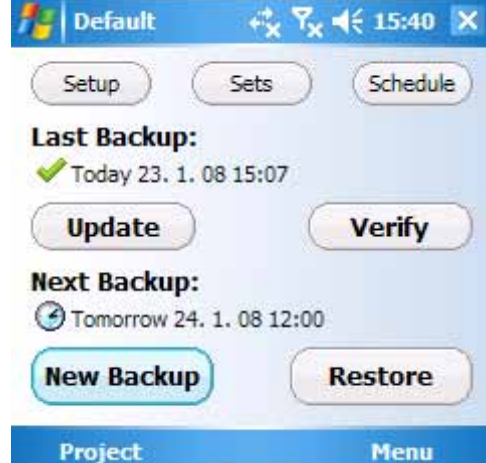
Partial Restore

Here is the screen after you tap *Select Files...* button:

You can select or deselect any file from the backup set you want or don't want to restore.

Messages / PIM data / Registry / System Databases must be restored as a whole.

Once you press *Restore* button, all selected files will be restored.

 <p>The screenshot shows the 'Resco Backup' application interface. At the top, it displays 'Files: 302/302' and 'Time: 00:00:15'. Below this is a table with two columns: 'File' and 'Status'. The first two rows are 'HKEY_CURRENT_USER' and 'HKEY_LOCAL_MACHINE', both with a status of '!='. The remaining rows are various files and folders, all with a status of 'OK'. At the bottom, there are buttons for 'Done' and 'Menu'.</p>	<p>Verify & Restore</p> <p>This is another cool Restore feature: When you select <i>Menu->Verify</i> in the first Restore screen, you start a comparison of the current PDA data against the selected backup set.</p> <p>Best of all is that you can restore just the differences. It is faster, it is safer and it allows you to resume an interrupted restore.</p> <p>Some people would like to do more and to decide which of the different files will be restored. Well, it can be done, but you need to use the more complex <i>Diff</i> tool.</p>
 <p>The screenshot shows the 'Default' screen of the Resco Backup application. It features a top bar with 'Default' and a clock showing '15:40'. Below the bar are three buttons: 'Setup', 'Sets', and 'Schedule'. The main area is divided into two sections: 'Last Backup:' which shows a green checkmark and the text 'Today 23. 1. 08 15:07', and 'Next Backup:' which shows a clock icon and the text 'Tomorrow 24. 1. 08 12:00'. At the bottom, there are buttons for 'Update', 'Verify', 'New Backup', and 'Restore'. The very bottom has buttons for 'Project' and 'Menu'.</p>	<p>Do you want more?</p> <p>Then switch to the Advanced Mode and read the next paragraphs.</p>

4 Other techniques

A brief enumeration of the things we did not cover yet — they are not required for the normal use, but the power users may find them invaluable:

4.1 Projects

A project is kind of a backup profile: You select a set of files, setup the scheduler and other settings and give the whole thing a name.

Most people start with the preinstalled Default project that is originally setup to backup complete device memory using fast compression and no encryption. You can eventually add encryption and it could be all what you expect from backup.

However, there are a number of occasions when the people would invite alternative profiles:

- Somebody wants to save only the contacts or just store them separately for some reason.
- Power users that frequently install new software may need alternative backup scenarios to be able to return to various moments in the past.
- Any person taking seriously the question of security can organize multiple projects using different periodicity – daily, weekly, monthly backups for example.

4.2 Scheduler

Allows unattended, automatic backup that will take place without the user intervention. Scheduler can be set to run at regular intervals - at certain daytime or every x hours.

Scheduler can perform **full backup** (creates new backup set) or **incremental update** (modifies existing backup set).

Scheduler maintains a rotating set of backup sets. ('**Max. # of Backup Sets**' in the project settings).

Scheduler failures are logged and the user is notified via something reminding missed call notifications.

4.3 Security

Imagine all the risks your data have to face:

- Something happens during the backup creation: a crash, phone call, a software bug, card corruption etc.
- Card corruption introduced at some later time.
- Somebody stealing your card or even your device.
- etc.

Resco Backup offers multiple tools to minimize the impact of the above risks:

- You can use the AES encryption that was adopted as industrial standard. Hence your data will be safe before prying eyes.
- The use of the Verify procedure minimizes the risk of integrity errors or other problems such as the card corruption.
- Verify includes an integrity check that checks for possible data changes in the saved backup set. It cannot happen that a backup set is changed – whether intentionally or not.
- Integrity check is performed automatically prior the important actions such as verify or restore.

- In case of any failure of the automatic update the user is notified via system notification mechanism. (Similar effect as for a missing call.) Hence you cannot miss the fact that the scheduled backup failed.

4.4 Other possibilities

Verify was already mentioned – it provides a way to find the differences since the last backup. The Diff dialog goes even further – it enables e.g. selective backup/restore based on the comparison of the device vs. backup set. This can be an invaluable tool for many professionals.

Resco Backup not only creates backup sets – it also provides the tools for backup set management. You can:

- Delete old backup sets,
- Perform integrity checks,
- Compare any backup set against the actual device contents,
- Compare two backup sets against each other,
- Assign text notes and icon to a backup set,
- Pin backup sets, meaning such sets cannot be modified unintentionally, i.e. by an automatic or manual update.

To demonstrate the use of these tools imagine the scenario where you (as a professional) are trying to secure your friend's device:

- You prepare a safe (checked) backup set,
- Assign it (say) a star icon and suitable text (“JS: use this in case of troubles”)
- Pin the backup set.

In a critical situation your friend can easily identify suitable backup set and even read your instructions.

Some backup packages offer special tools for accessing their backup sets on the desktop computer. In case of Resco Backup you can do the same with any good zipper – no custom software is needed.

5 Restore

Every backup takes care about two things:

1. Makes sure that the card used for backup contains the copy of the RescoBackup application itself.
2. Performs the backup (i.e. creates or updates the backup set).

Hard backup erases complete device memory and you need to go through these steps:

1. Insert the backup card into your device.

2. Use File Manager to switch to the card folder */Resco Backup* and to start RescoBackup application.
3. Press Restore button and select the backup set etc.
4. If you do not see your backup set (this happens when the device owner name changed), then switch to the Advanced mode and select *Restore – All Sets*.