



The Overview of Handy Backup Oracle Plug-in

Oracle is one of the most popular database engines in the world. Handy Backup extends the functionality of Oracle RMAN backup utility, providing the Oracle backup plug-in. This text contains the information about this feature of Handy Backup.

About Oracle Backup

Why to use Handy Backup for saving Oracle data? The answer is simple: it provides many advantages, being both the universal data backup solution capable to store and restore any type of **backups automatically**, and the comfortable graphic interface over all the functions of Oracle RMAN.

Who Have a Need for Oracle Backup?

Handy Backup can bring many advantages for both users operating with Oracle databases and for companies providing any type of service based on Oracle engine. Either group can use Handy Backup to save Oracle data.

In addition, **individual and corporate users** can operate with native Oracle backup functions without studying RMAN. Instead, they can utilize the fast and comfortable graphical interface for backing up Oracle data, separately or with any other data types in one single task.

For **providing companies**, advantages of using Handy Backup include centralizing of all backup functions, instant replication of Oracle databases and entire data structures, forming the additional level of data protection, and, not least, the economy of time and efforts for learning the staff to use RMAN.

It is to be mentioned the great effectiveness of Handy Backup for **developers**, designing or just working with, some Oracle-based software. Having a quick backup tool, developers can clone their projects, create or synchronize test databases, keep some software versions simultaneously and so on.

Main Features of Handy Backup Oracle Plug-in

This is a short list of assignment, advantages and requirements provided by Oracle plug-in in Handy Backup. The next chapter provides the detailed descriptions for some features mentioned here.

➔ Assignment

- ✓ Using all the functions of Oracle API for backing up Oracle data;
- ✓ "Hot" and "cold" backup of Oracle information;
- ✓ Flexible scheduling and versioning backups;
- ✓ Reliable and fast restoration.

➔ Advantages

- ✓ Unified environment for backing up all types of server data, not just Oracle data;
- ✓ Well-developed control functions, include scheduling, encrypting, notifying and so on;
- ✓ A wide selection of data storages, both local and online, including cloud services.

➔ Requirements

- ✓ Supporting all actual versions of Oracle, up to the most fresh Oracle 12c;
- ✓ Running under any version of Microsoft Windows, desktop or server, starting from Windows 2000 and Windows Server 2003, and up to Microsoft Windows Server 2012R2 and Windows 8.1;
- ✓ No special requirements for hardware resources over the standard Windows demands;
- ✓ Supporting remote database backup and restoration.

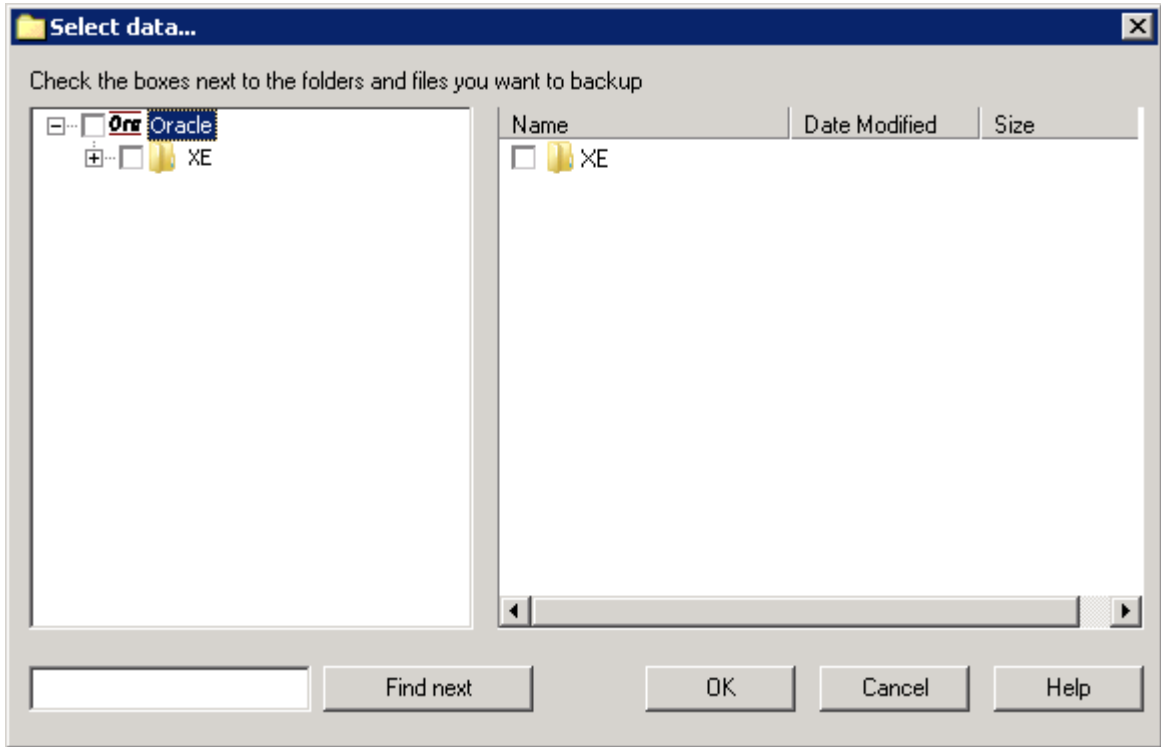
How the Oracle Backup Feature Works in Handy Backup?

Here is described some crucial aspects and features of Handy Backup touching the functions of Oracle backup plug-in.

➔ Graphical Interface for Oracle Backup RMAN Utility

Handy Backup utilizes a built-in application interface (API) of Oracle database engine to back up data, with all native functions and features available. Technically, it is a possible way to look at Handy Backup as the graphical user interface (GUI) “skin” over the standard RMAN backup utility used by Oracle.

In other words, the user of Handy Backup can use all the power of RMAN without a necessity to learn RMAN console commands and then enter these proper commands manually. Instead, users can just instruct Handy Backup to use RMAN via the GUI.



➔ “Hot” and “Cold” Backup Techniques

Saving data from Oracle, Handy Backup works in a “hot” mode, without stopping the Oracle server instance or any process executed by it. It saves both time and efforts when backing up Oracle content, allowing stopping no job proceeded by Oracle server when the backup process takes place.

With no exclusions, Oracle backup feature can also use the “cold” backup, saving Oracle data from the stopped server. This task can be performed under any conditions, including these few situations when the “hot” backup is unwanted or impossible.

➔ Unified Backup Environment

Oracle backup is not a single function of Handy Backup; it can be used also for backing up other database types and server data, such as websites, FTP and cloud contents, local drive folders or an entire server disk image, within one single task or a couple of different task types.

The server administrator can manage backup of Oracle data as the part of a common backup workflow planned and scheduled via Handy Backup, or save Oracle data separately. The information can be kept in a versioned backup set of some copies, with clearly readable date and time stamps for each copy.

➔ Backup Control Options

User can schedule any backup task to run once or periodically with an exact time step from months to minutes, as well as be tuned to start when the scheduled time was skipped by some reasons. User can also run Handy Backup as Windows service, in the “stealth” mode.

Full, incremental and [differential backup](#) types are available for backing up Oracle and other data. The information backed up can be compressed and encrypted. Finally, other programs can be called to run automatically before or after the particular task.

➔ Different Destinations for Oracle and Other Backup Data

Handy Backup allows using many types of storage media to save backups, including:

- ✓ Local and remote (mapped) disks, and other types of drives somehow attached to the file system, including network-attached storages (NASes);
- ✓ USB external disks and flash drives (with a possibility to trigger a backup task to start upon inserting the selected USB device to some local slot);
- ✓ Commercial cloud services, including Amazon S3, Google Drive, Dropbox and many other clouds;
- ✓ FTP, SFTP and FTPS servers;
- ✓ The dedicated Handy Backup cloud data storage (HBdrive).

➔ Quick Restoration

Restoring Oracle data with Handy Backup is no more difficult than save. Restoration and backup tasks uses the same interface and same principles to organize the job. Moreover, the restoration is possible to the completely different place than was the backup source, allowing replicating and cloning Oracle data.

It is to be mentioned that Handy Backup saves the uncompressed and unencrypted information in the native data format, allowing using the “restoration” by merely copying the data needed using Windows Explorer or some other file manager, or just by opening it directly from backups.

Conclusion

All types of users and companies using Oracle in their daily operations can get some advantages from using Handy Backup Oracle feature. Extending the features of RMAN console with GUI, Handy Backup can be the unified solution for guarding all server data, including such important thing as [Oracle backup](#).

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Learn more about the Backup Solution - <http://handybackup.net/handybackup-smallserver>