Backup Manager Selections

Choose from the following topics.

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Concept	learn about the Backup Manager tool
Procedure	perform a manual database backup
Elements	read a description of the “Backup Manager” screen elements

Backup Concept

The Backup Manager is used to save emergency copies of information on your Oracle7 database. Since the database could be corrupted as the result of a media failure, media recovery requires the restoration of the damaged files from the most recent database backup. You can choose to back up some or all of your database's information with the Backup Manager tool.

Before performing a full database backup, the database will be shut down automatically. Pressing the "Stop" button on your browser screen will break the connection between the browser and the server. You will thus be able to continue working in your original browser. The Oracle7 Workgroup Server will continue backing up the database, but you will not be notified via the browser about the status of the backup.

Control File

The control file records the physical structure of the database.

Full Backup

A full backup is a backup of the entire database. Full backups are performed when the database is closed, or "offline", and unavailable for use.

Partial Backup

A partial backup is a backup of part of a database. Examples include the backup of an individual tablespace's datafiles or the backup of a control file. Tablespaces and control file backups can be performed both when the database is open or closed, "online" or "offline".

Maximum Space Needed

The maximum space needed indicates the amount of space for a full database backup. A fraction of this space is needed for a partial database backup.

Backup Manager: Screen Elements

The elements of the “Backup Manager” screen are listed below, along with a description of their functions.

Screen Element	Type	Description
Backup Type	Radio Buttons	Indicates what type of backup is to be performed: - Full Database - Control File -Tablespaces
Destination: Tape	Radio Button and Text Field	Indicates the location of the tape upon which the database backup files will be stored.

Destination: Disk	Radio Button and Text Field	Indicates the location of the directory upon which the database backup files will be stored.
Maximum Space Needed	Label	Indicates the amount of space needed for a full database backup.
Backup	Button	Begins the backup process.
History	Button	Displays information about the ten most recent database backups.

Backup Procedure

Perform the following steps to back up the database.

1. Do you want to back up the database in which you are currently?
   - If yes, continue with step 2.
   - If no, choose the appropriate database from your bookmarks or hotlist.
2. Do you want to view information about the previous database backups?
   - If yes, click on the "History" button.
   - If no, continue with step 3 to perform a database backup.
3. Under the "Backup Type" heading,

select …	**if you want to back up …**
Full Database	all information included in the database.
Control File	only the control file.
Tablespaces	only selected tablespaces. You must select the actual tablespaces you'd like to back up.

4. Under the "Destination" heading,

click on …	**and select a destination from the option list to archive the files …**
Tape	on a tape device. An error will be generated if you do not select a valid tape destination.
Disk	on the hard drive. The default backup directory is ORACLE_HOME/backup.

5. Click on the "Backup" button.
6. Did you select "Full Database"?
   - If yes, the Backup Manager warns you that "The database will automatically be shut down before backup begins." Click on "OK" to proceed.
   - If no, click on the browser's "Back" button to cancel the entire procedure.

Result

If the backup completed successfully, you will see the message "Backup completed successfully. Click on the 'Backup & Recovery' button to return to the tool.

If the backup failed, you will see an error message with the help button indicating the resolution.