

SETUP INSTRUCTION FOR BACKUP USING SYMANTEC BACKUP EXEC

*Administrator's Guide
Version 1.00*

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TABLE OF CONTENTS

1 INTRODUCTION	5
2 CONFIGURING THE SYMANTEC BACKUP EXEC REMOTE AGENT UTILITY	6
3 CONFIGURING THE SYMANTEC BACKUP EXEC PROGRAM	9
4 VERIFYING ARCHIVED LOG FILES AND BACKUP COPIES	17
5 DELETING OLD ARCHIVED LOG FILES.....	18

FIGURES

Fig. 1. "Symantec Backup Exec Remote Agent Utility" window	6
Fig. 2. "Symantec Backup Exec Remote Agent Utility" window. "Oracle" tab	6
Fig. 3. "Backup Exec Oracle Agent Configuration" window	7
Fig. 4. "Symantec Backup Exec Remote Agent Utility" window. "Database Access" tab	8
Fig. 5. First time setup message	8
Fig. 6. "Logon Account Management" window	9
Fig. 7. "Add Logon Credentials" window	9
Fig. 8. "New Backup-to-Disc Folder" window	10
Fig. 9. Window for configuring the default settings for Oracle backup jobs	11
Fig. 10. Window for specifying the Oracle database server authentication credentials	12
Fig. 11. "Add Server" window	12
Fig. 12. Main window of Symantec Backup Exec	13
Fig. 13. Backup Wizard. "What do you want to back up?" window	14
Fig. 14. Backup Wizard. "What backup strategy do you want to use?" window	14
Fig. 15. Backup Wizard. "When do you want to run the backup job or jobs?" window	15
Fig. 16. Backup Wizard. "What storage device do you want to use to store the backup data?" window	15
Fig. 17. Backup Wizard. "How long do you want to keep the backup data?" window	16
Fig. 18. Backup Wizard. "Summary" window	16
Fig. 19. Window for creating backup verification jobs	17

1 INTRODUCTION

To enable Oracle database backup using the Symantec Backup Exec program, the Symantec Backup Exec Remote Agent Utility should be installed on the database server. The Remote Agent enables administrators to perform remote backup and restore procedures on the database.

Note.

The methods and procedures for installing the Symantec Backup Exec program and the Symantec Backup Exec Remote Agent Utility are not described in this guide.

2 CONFIGURING THE SYMANTEC BACKUP EXEC REMOTE AGENT UTILITY

The Remote Agent is a system service that runs on remote Windows servers and workstations. The Remote Agent provides faster backup processing by locally performing tasks that in typical backup technologies require extensive network interaction. The Remote Agent processes backup data into a continuous stream that the media server then processes as a single task. This method provides better data transfer rates over traditional technologies, which require multiple requests and acknowledgments between the media server and the remote server.

1. Double-click on the Symantec Backup Exec Remote Agent Utility icon in the notification area of the Windows taskbar. The "**Symantec Backup Exec Remote Agent Utility**" configuration window will be displayed (see Fig. 1).

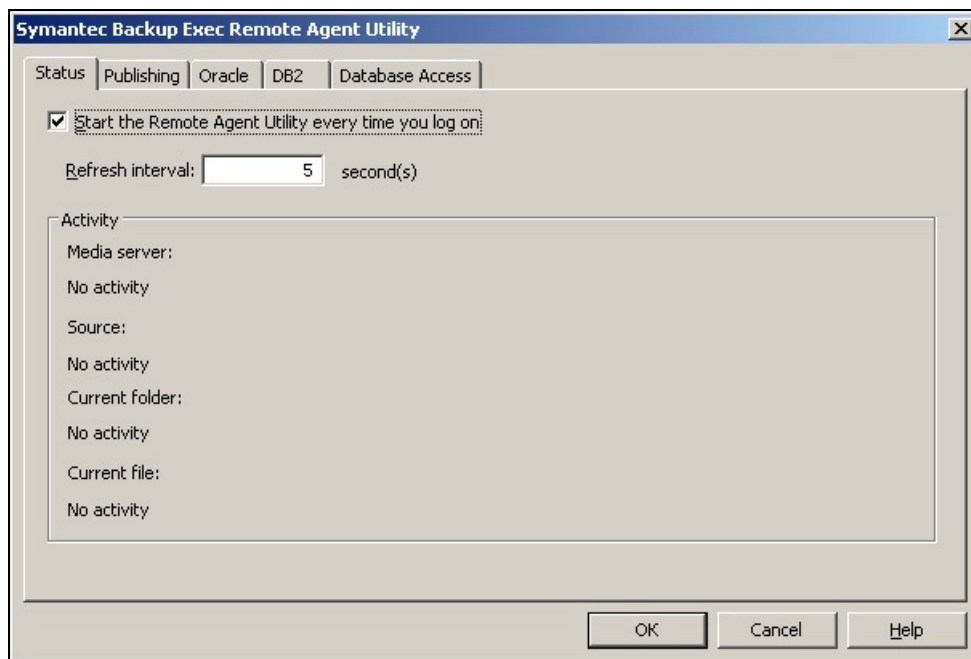


Fig. 1. "Symantec Backup Exec Remote Agent Utility" window

2. Mark the "Start the Remote Agent Utility every time you log on" check box in the "**Status**" tab of this window and then go to the "**Oracle**" tab (see Fig. 2).

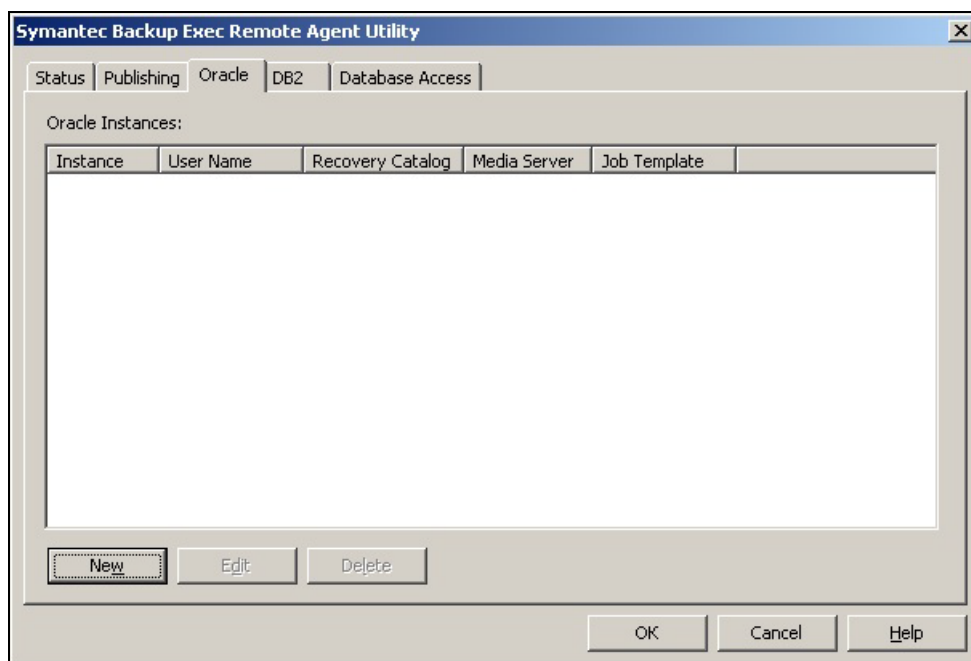


Fig. 2. "Symantec Backup Exec Remote Agent Utility" window. "Oracle" tab

3. Click **New**. The **"Backup Exec Oracle Agent Configuration"** window will appear. This window allows specifying the identification data of the database user that performs backup and restore operations on the database and configures job settings in the Symantec Backup Exec program (see Fig. 3).

Fig. 3. "Backup Exec Oracle Agent Configuration" window

4. In the "Oracle" group in this window, specify the required database instance name, as well as the name and the password of the database user that will perform backup operations. Then enter the full name of the computer (including the domain name) in the "Media server name or IP address:" field and click **OK**.

5. After that, in the **"Symantec Backup Exec Remote Agent Utility"** window (see Fig. 1, p. 6), go to the **"Database Access"** tab (see Fig. 4).

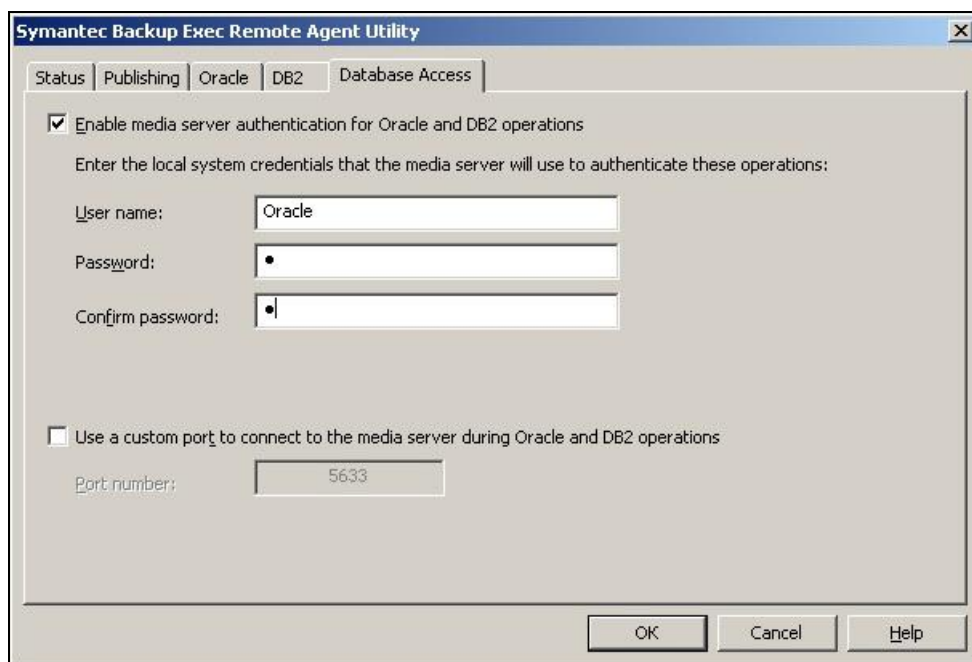


Fig. 4. "Symantec Backup Exec Remote Agent Utility" window. "Database Access" tab

Mark the "Enable media server authentication for Oracle and DB2 operations" check box. Enter the data of the Windows user that will perform backup operations and click **OK**.

If the Remote Agent is being configured for the first time, the corresponding message (see example in Fig. 5) will appear when you go to the **"Database Access"** tab. Click **OK** to close the message.

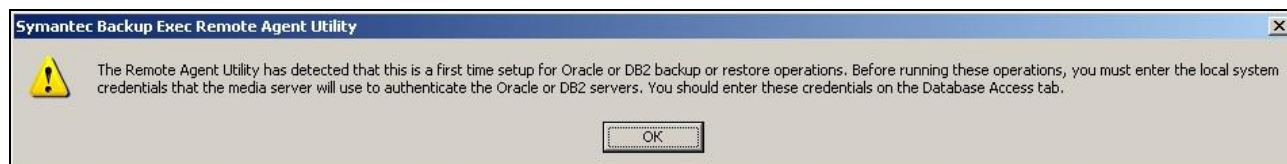


Fig. 5. First time setup message

3 CONFIGURING THE SYMANTEC BACKUP EXEC PROGRAM

This section describes the configuration of the Symantec Backup Exec program required for performing backup operations for Oracle databases on remote servers.

1. Launch Symantec Backup Exec. Select **"Network / Logon Accounts"** in the main menu. The **"Logon Account Management"** window will appear (see Fig. 6).

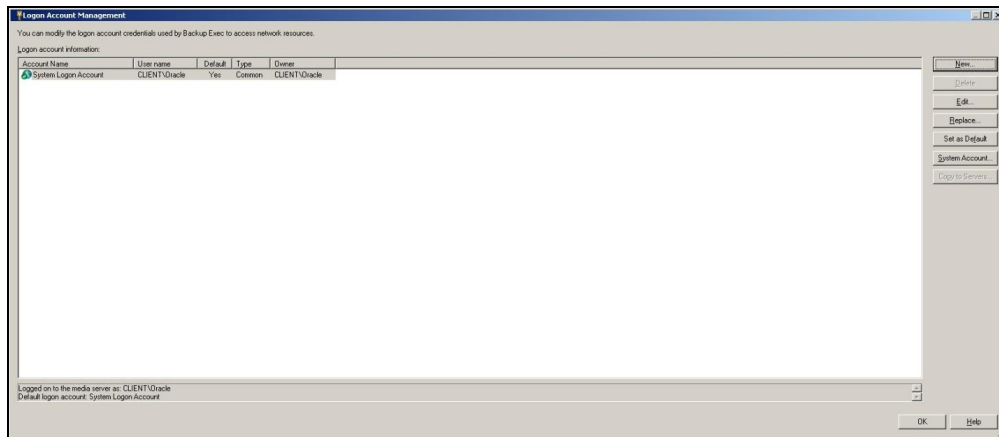


Fig. 6. "Logon Account Management" window

2. Click **New...** in this window. The **"Add Logon Credentials"** window for creating a new account will be displayed (see Fig. 7).

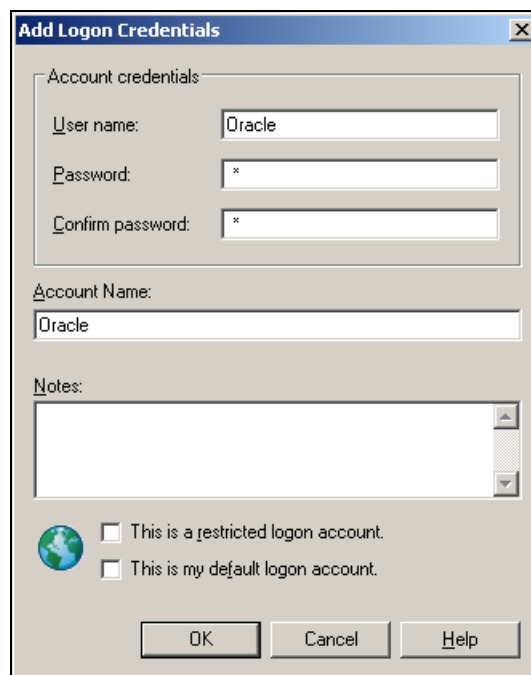


Fig. 7. "Add Logon Credentials" window

In the "User name:" field, enter the name of the Windows user for the computer on which the database that should be backed up is installed. In the "Account Name:" field, enter the unique Account Name for the Symantec Backup Exec program (the Account Name allows storing data for users of different servers with identical names). Make sure the "This is a restricted logon account" check box is unmarked. Then click **OK**. The new user will appear in the list of accounts in the **"Logon Account Management"** window (see Fig. 6). Click **OK**.

3. If the system does not have a device for saving and storing backup copies, such device should be created.

As an example, here we describe creating a folder for storing backup copies. Select **"Tools / Configure devices / New Backup-To-Disc Folder..."** in the main menu. The **"New Backup-to-Disc Folder"** window (see Fig. 8) for configuring the folder will appear.

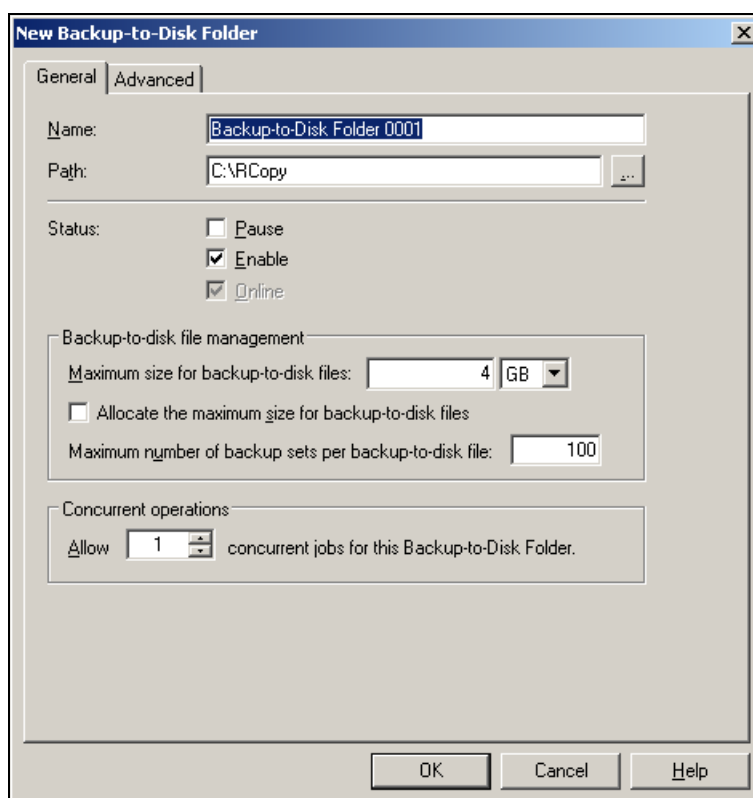


Fig. 8. "New Backup-to-Disc Folder" window

4. Fill in the fields in the window according to your business processes and click **OK**. Then select **"Tools / Options..."** in the main menu and go to the **"Oracle"** section by selecting it from the list in the left part of the window (see Fig. 9).

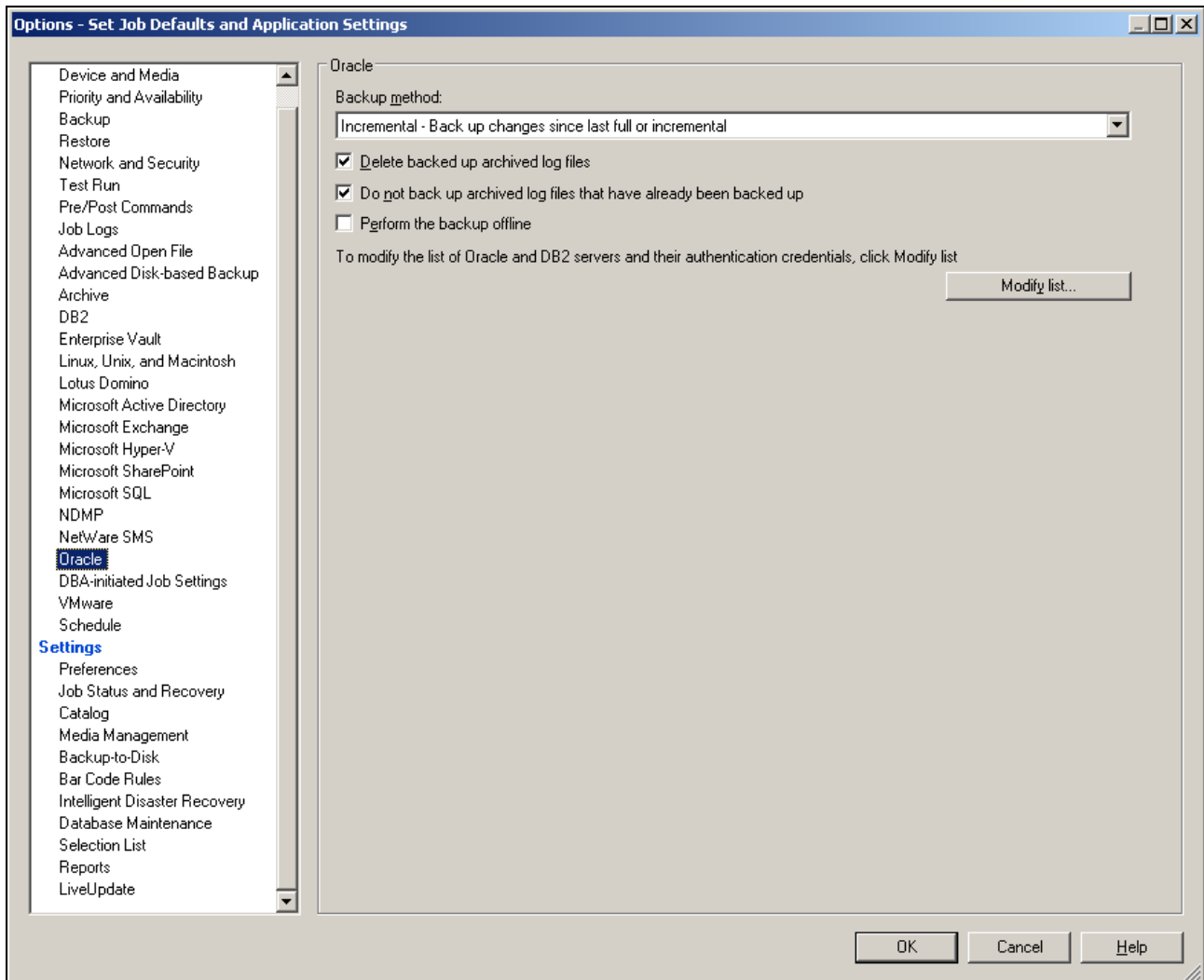


Fig. 9. Window for configuring the default settings for Oracle backup jobs

5. From the drop-down list, select the backup method to be used by default when backup jobs are created. Mark the "Delete backed up archived log files" check box if archived log files need to be deleted after they are backed up. Mark the "Do not back up archived log files that have already been backed up" check box if there is no need to create duplicate backup copies of archived log files. Make sure the "Perform the backup offline" check box is unmarked. Otherwise, the database will be stopped during creation of a backup.

Click **Modify list...**. The window for specifying the authentication credentials will be displayed (see Fig. 10). Symantec Backup Exec will connect to the Oracle database server using these authentication credentials.

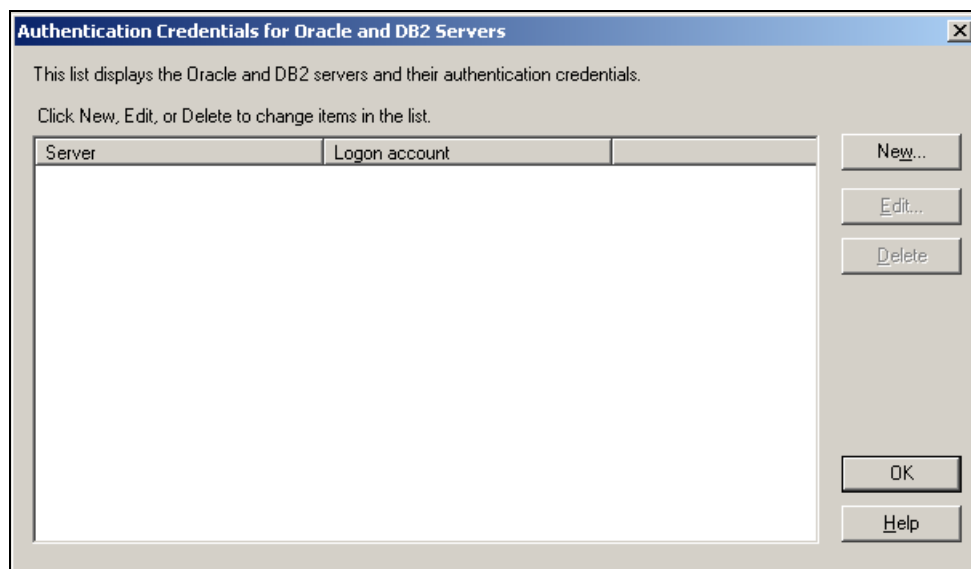


Fig. 10. Window for specifying the Oracle database server authentication credentials

6. Click **New...**. The "Add Server" window will appear (see Fig. 11).

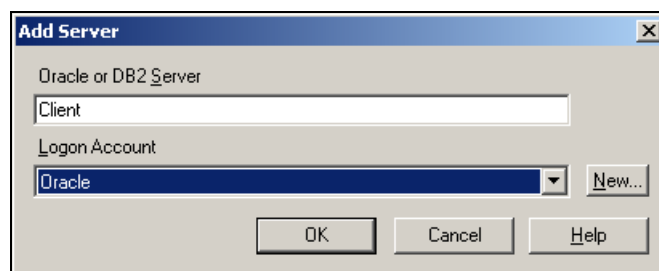


Fig. 11. "Add Server" window

7. In the upper field of this window, enter the full name of the computer (including the domain name) on which the Oracle database is installed. Then select the logon account and click **OK**. The specified authentication credentials will be displayed in the list (see Fig. 10).
8. Click **OK**. In the options window (see Fig. 9, p. 11), also click **OK**.

9. In the main window of Symantec Backup Exec, go to the **"Job setup"** tab and then click on the **"New job using wizard"** link in the **"Backup Tasks"** section (see Fig. 12).

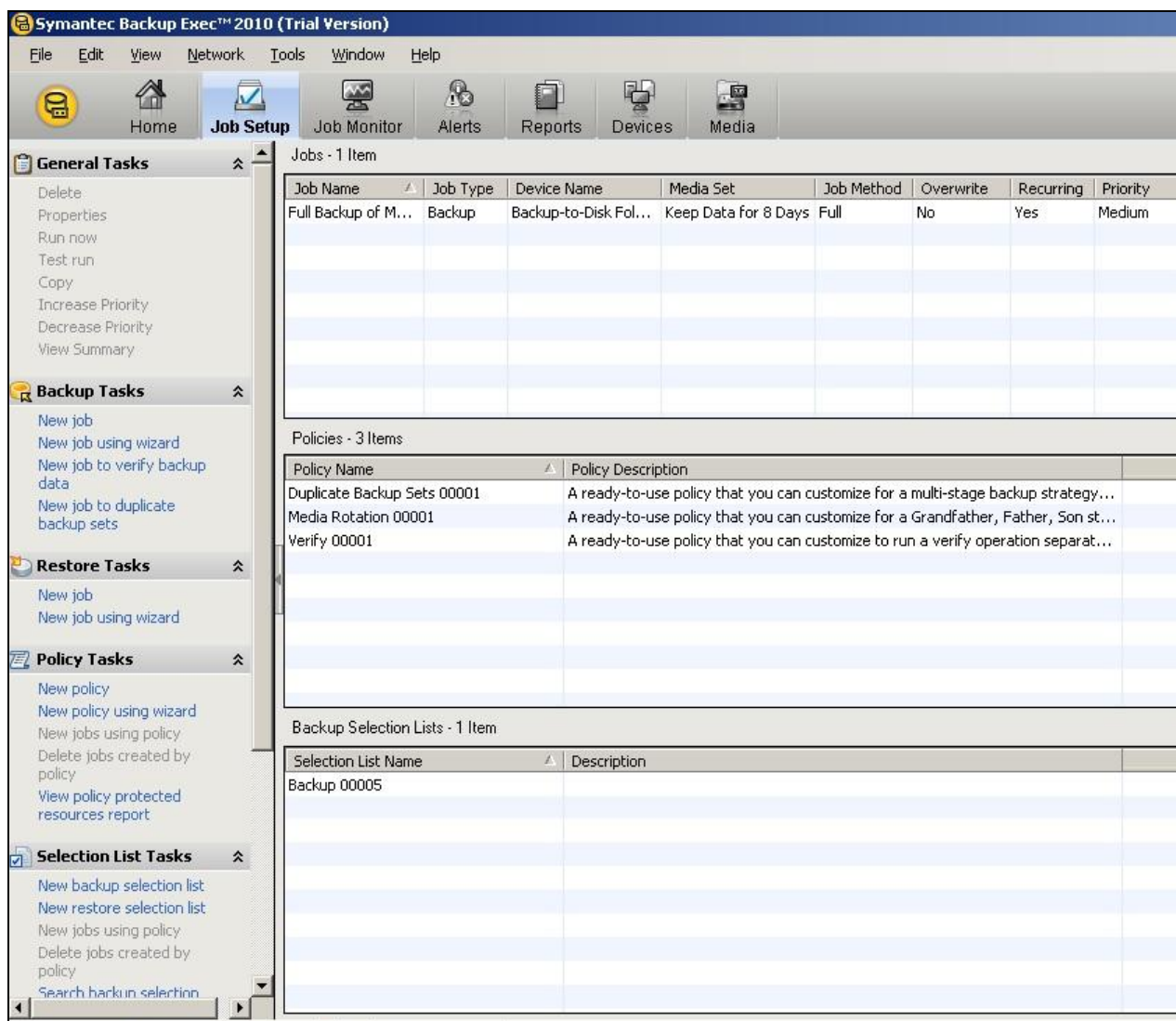


Fig. 12. Main window of Symantec Backup Exec

10. The "What do you want to back up?" window of the Backup Wizard will be displayed (see Fig. 13).

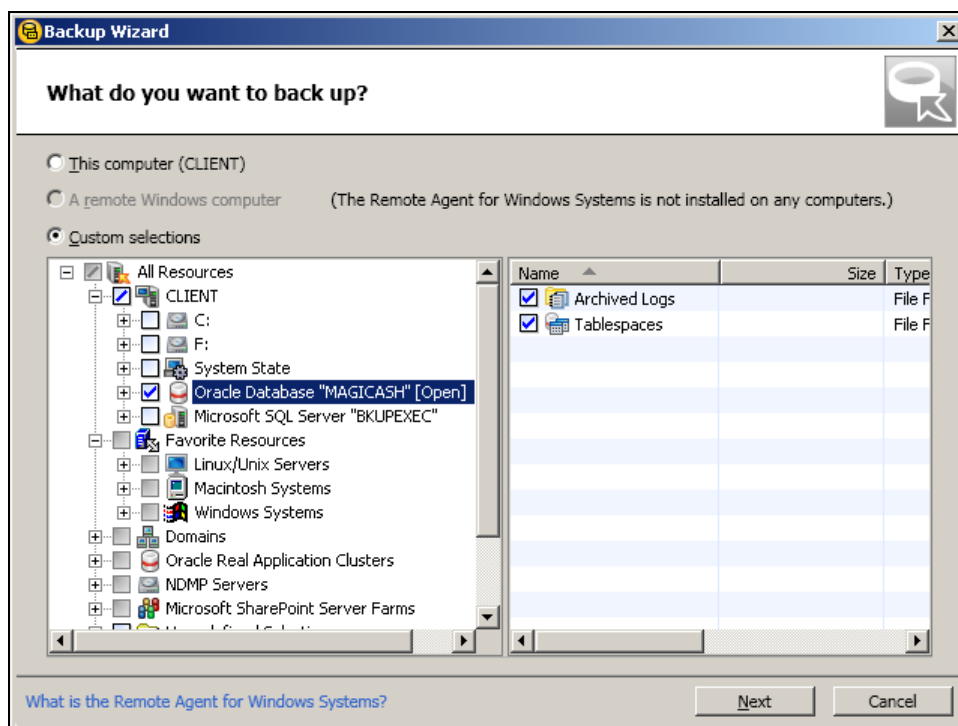


Fig. 13. Backup Wizard. "What do you want to back up?" window

11. Select the "Custom selections" radio button and mark the check box corresponding to the required database. Then click **Next**. The "What backup strategy do you want to use?" window will be displayed (see Fig. 14). In this window, select the "Full backup job followed by incremental backup jobs" radio button and click **Next**.

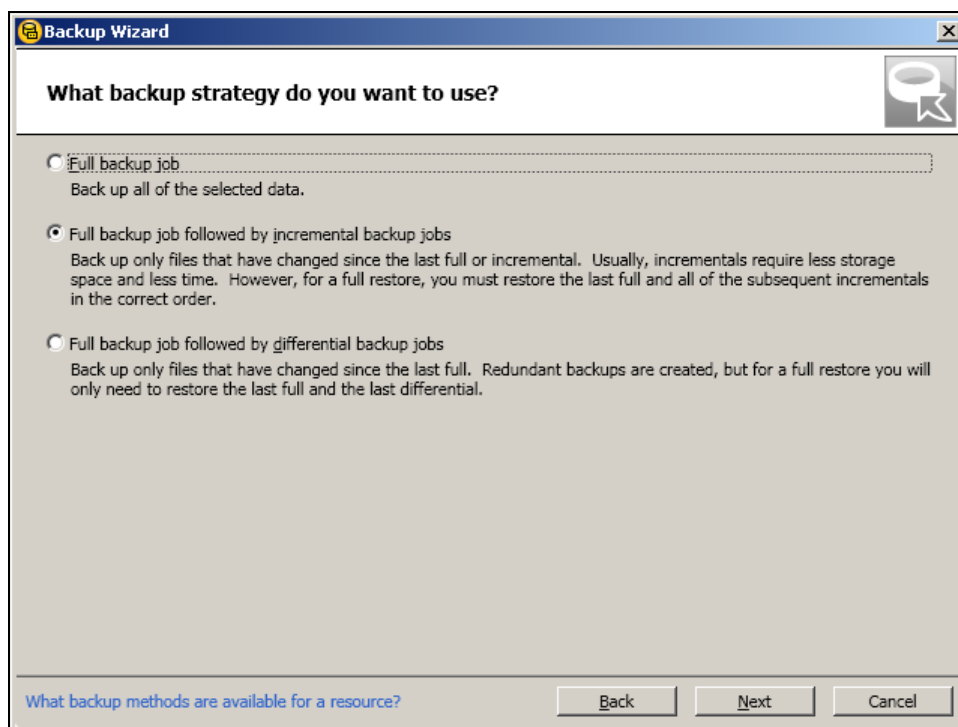


Fig. 14. Backup Wizard. "What backup strategy do you want to use?" window

12. The "When do you want to run the backup job or jobs?" window will be displayed (see Fig. 15). Configure the schedule for running the jobs of creating full and incremental backups and click **Next**.

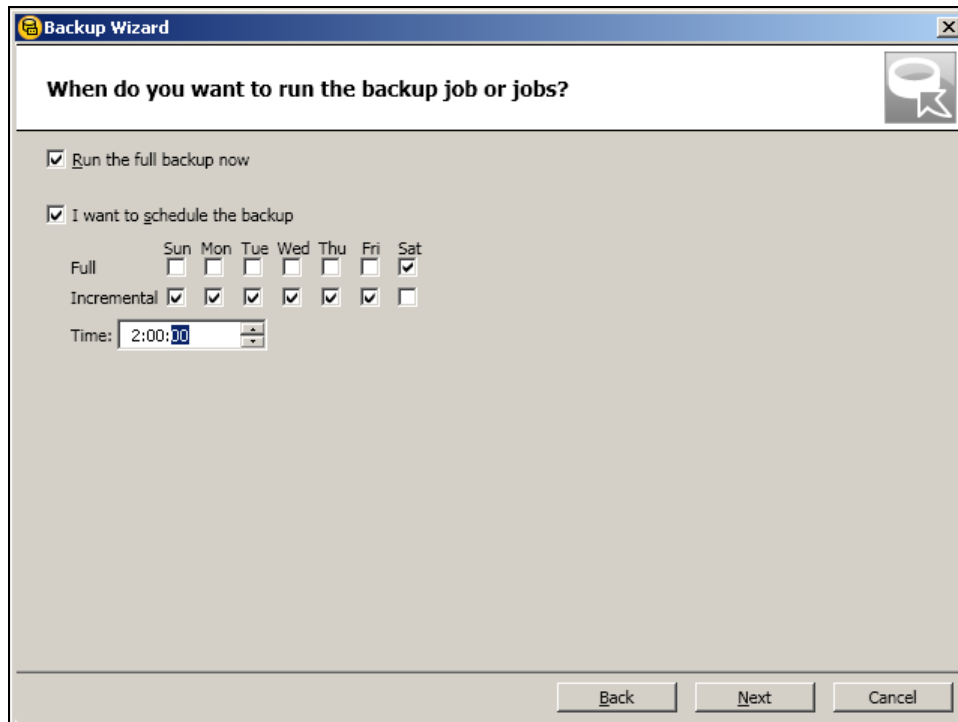


Fig. 15. Backup Wizard. "When do you want to run the backup job or jobs?" window

13. The "What storage device do you want to use to store the backup data?" window will be displayed (see Fig. 16). In this window, select the location for storing the backup data and click **Next**.

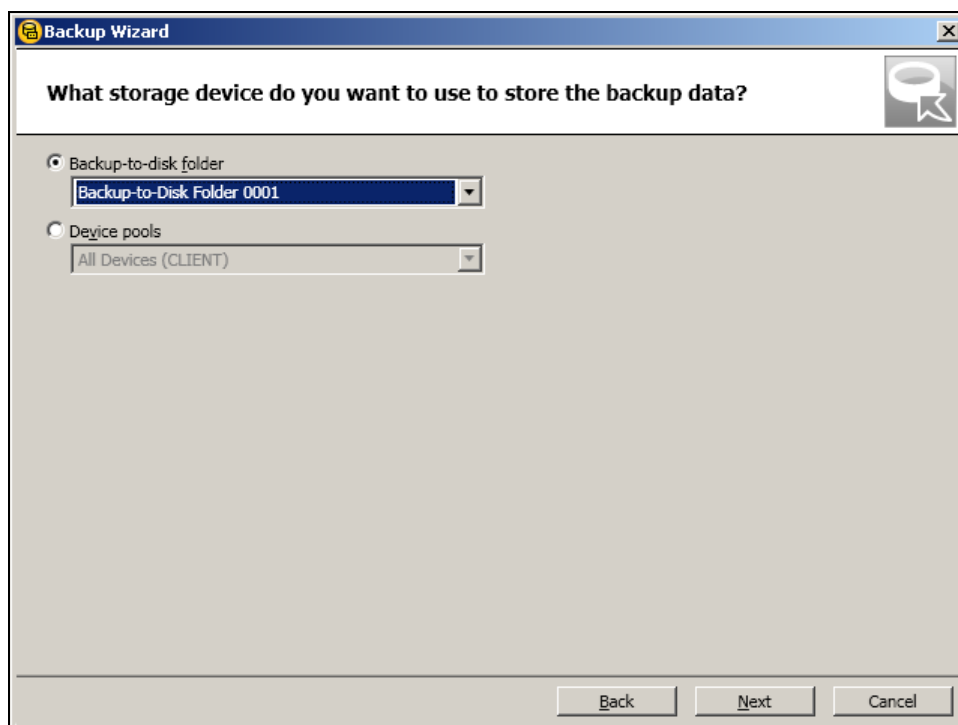


Fig. 16. Backup Wizard. "What storage device do you want to use to store the backup data?" window

14. The "How long do you want to keep the backup data?" window will be displayed (see Fig. 17). Select for how long the backup data should be kept and click **Next**.

Fig. 17. Backup Wizard. "How long do you want to keep the backup data?" window

15. The "Summary" window will be displayed (see Fig. 18). Enter the full name for the job being created and click **Submit**.

Fig. 18. Backup Wizard. "Summary" window

Symantec Backup Exec will generate and run the job for creating full and incremental backup copies and deleting archived log files according to the schedule you have specified.

The current job status and results can be viewed in the "Job Monitor" tab of the main window of Symantec Backup Exec (see Fig. 12, p. 13). In case of errors, please contact the Symantec support service.

4 VERIFYING ARCHIVED LOG FILES AND BACKUP COPIES

A special kind of job allows verifying backup copies. To run such a job, go to the **"Job setup"** tab of the main window of Symantec Backup Exec (see Fig. 12, p. 13) and click "New job to verify backup". The window for creating backup verification jobs will be displayed (see Fig. 19).

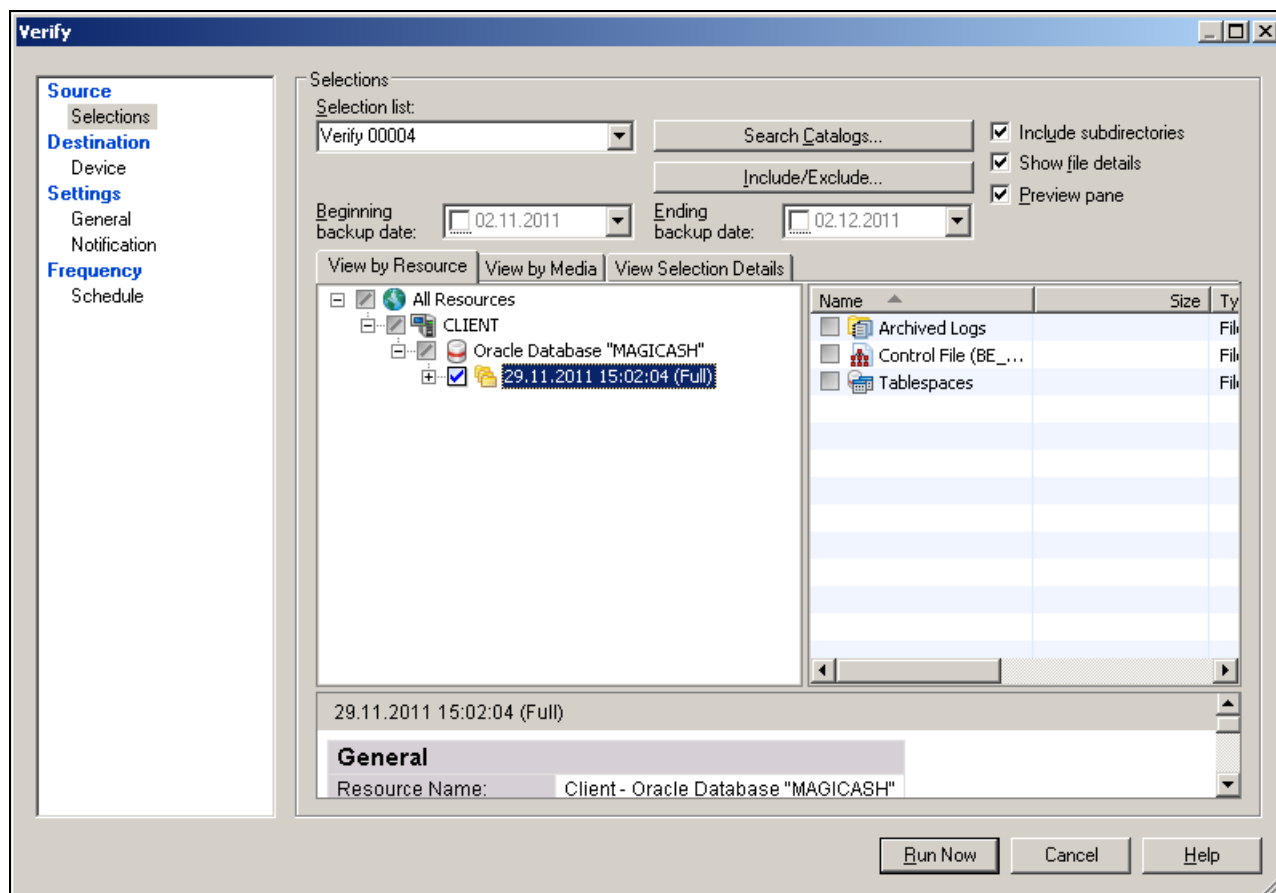


Fig. 19. Window for creating backup verification jobs

In the "Selections" group, in the **"View by Resource"** tab, select the backup copy to be verified and click **Run Now**.

The current job status and results can be viewed in the **"Job Monitor"** tab of the main window of Symantec Backup Exec (see Fig. 12, p. 13).

Note.

In case of errors, please contact the Symantec support service.

5 DELETING OLD ARCHIVED LOG FILES

Old archived log files are deleted when a backup is created, provided that the corresponding parameter is specified in the job settings. Backup copies of archived log files are deleted in accordance with the backup storage settings.