

ThinkPad

**ThinkPad T400s
Hardware Maintenance Manual**

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Lenovo ThinkVantage Toolbox (Lenovo System Toolbox)

Lenovo ThinkVantage® Toolbox (Lenovo System Toolbox in Windows Vista® and Windows® XP) is a diagnostic program that works through the Windows operating system. It enables you to view symptoms of computer problems and solutions for them, and includes automatic notification when action is required, computing assistance, advanced diagnostics, and diagnostic history.

Note:

The latest Lenovo ThinkVantage Toolbox (Lenovo System Toolbox) is available at the following Web site: <http://www.lenovo.com/support>

To install the latest Lenovo ThinkVantage Toolbox (Lenovo System Toolbox) on the computer, follow the instructions on the Web site.

To run this program, do as follows:

Windows 7:

While the Windows operating system is running, press the ThinkVantage button.

You can also run this program as either of the following:

- Click **Start --> All Programs --> Lenovo ThinkVantage Tools --> System Health and Diagnostics.**
- Click **Start --> Control Panel --> System and Security --> Lenovo's System Health and Diagnostics.**

Windows Vista and Windows XP:

Click **Start --> All Programs --> Lenovo Services --> Lenovo System Toolbox.**

Follow the instructions on the screen. Lenovo ThinkVantage Toolbox (Lenovo System Toolbox) also has problem determination aids that determine software and usage problems.

For additional information about this program, see the Help for the program.

PC-Doctor for Rescue and Recovery

In some models of ThinkPad Notebook, the Rescue and Recovery® workspace enables you to run the PC-Doctor program to test the hardware features of the computer.

To run the test, click "Run Diagnostics" on the Rescue and Recovery main screen.

5. Select **Power-On Password**.
6. Type the current SVP in the **Enter Current Password** field. then leave the **Enter New Password** field blank, and press Enter twice.
7. In the Changes have been saved window, press Enter.
8. Press F10; then, in the Setup confirmation window, select **Yes**.

How to remove the hard-disk password

Attention: If **User only** mode is selected and the user HDP has been forgotten and cannot be made available to the service technician, neither Lenovo nor Lenovo authorized service technicians provide any services to reset the user HDPs or to recover data from the hard disk drive. The hard disk drive can be replaced for a scheduled fee.

To remove a user HDP that has been forgotten, when the SVP and the master HDP are known, do the following:

1. Turn on the computer.
2. When the ThinkPad logo comes up, immediately press F1 to enter BIOS Setup Utility.

For models supporting the Passphrase function, press F1 while HDP icon is appearing on the screen; then enter the master HDP. For the other models, enter the master HDP.

Note: To check whether the ThinkPad Notebook you are servicing supports the Passphrase function, enter the BIOS Setup Utility and go to **Security --> Password**. If **Using Passphrase** item is displayed in the menu, this function is available on the ThinkPad Notebook.

3. Select **Security**, using the cursor directional keys to move down the menu.
4. Select **Password**.
5. Select **Hard-disk x password**, where *x* is the letter of the hard disk drive. A pop-up window opens.
6. Select **Master HDP**.
7. Type the current master HDP in the **Enter Current Password** field. then leave the **Enter New Password** field blank, and press Enter twice.
8. Press F10.
9. Select **Yes** in the Setup Configuration window.
Both user HDP and master HDP will have been removed.