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# Read Me First

## Citrix® Device Services for Wyse® Winterm™ Terminals

Citrix Device Services (CDS) provides local printer support and basic ICA connections between Winterm terminals and servers running Microsoft Windows NT® Server 4.0 Terminal Server Edition or Windows® 2000 Terminal Services. You must use the version of CDS that is appropriate for your server operating system. Both versions of CDS are available through Wyse and may be ordered (on CD-ROM) or downloaded on line through the Wyse Web site at [www.wyse.com](http://www.wyse.com). The following instructions describe Wyse-specific procedures for installing CDS and setting up a local printer.

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 **Note**

For installing CDS downloaded from the Wyse Web site, these instructions assume you have extracted the files into the folder (directory) C:\cde. That is the default location provided in the self-extracting file. If you extracted the files to some other folder or are installing from CD-ROM, for the purposes of this instruction, use that path where **x:** represents the drive letter of the CD-ROM (or the path to the extracted file set).

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## Installation Procedure

To install CDS, you must have Microsoft Windows NT Server 4.0 Terminal Server Edition or Windows 2000 Terminal Services installed on your server. You must use the version of CDS that is appropriate for your server operating system. If you already have Citrix MetaFrame™ 1.x or higher installed, you do not need CDS. This is not an add-on.

1. To start the CDS installation, first turn on the server and log in as **administrator**.
2. Follow the instructions below, as appropriate for the source of the installation files.
  - If you are installing from the Winterm on-line library CD, insert it into the CD-ROM drive. See the **Note** below. From the **Utilities** menu select CDS Software Download. Continue with step 3.

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 **Note**

If Autorun is not enabled on the CD-ROM drive and the Winterm on-line library menu does not display, at a command prompt type  
`x:\autorun.exe`, where **x:** represents the drive letter of the CD-ROM.

- If you are installing from the Citrix Device Services CD, insert it into the CD-ROM drive. See the **Note** below. Continue with step 3.
- If you are installing from a downloaded and extracted file set, see the **Note** that follows.

3. When the **Citrix Device Services CD-ROM** screen displays, click the **Citrix Device Services Setup** command button to start the installation and continue with the next step.



**Note**

If Autorun is not enabled on the CD-ROM drive and the **Citrix Device Services CD-ROM** menu does not display (or if you are installing from a downloaded and extracted file set), at a command prompt type `x:\I386\Setup.exe`, where `x:` represents the drive letter of the CD-ROM (or path to the extracted file set) and then continue with step 4.

4. From the **Citrix Device Services Setup** dialog box do the following:
  - From the **Welcome** screen select the **Next** command button.
  - From the **Setting Up Citrix Device Services** screen select the **Next** command button.
  - From the **Citrix Devices Services Licensing** screen select the **Next** command button.
  - From the **System Reboot** screen select the **Finish** command button.
  - When you see the **Shutdown in Progress** message on the screen, remove the CDS (or other) CD-ROM from the CD-ROM drive.

After the server reboots, you must type in the CDS license serial number(s) to activate the software. To do this go to step 5.

5. Log in as `administrator` and then select the following:
  - **Start | Programs | Citrix Device Services Tools (Common) | Citrix Licensing.**
  - Under the **License** menu bar at the top of the **Citrix Licensing** dialog box select **Add**. (Ignore the **Citrix Device Services for Windows** item in the dialog box. Your license is not yet activated.)
  - When you see the **Enter License Serial Number** dialog box, enter one of the following serial numbers in the **Serial Number:** field:
    - For any Winterm 1200 Series terminal enter:
      - CTX-0004-50E1-C947-000101
    - For any Winterm 2000 Series terminal enter:
      - CTX-0004-5030-401C-000101
    - For any Winterm 3000 Series terminal enter:
      - CTX-0004-50AC-0547-000101
    - For any Winterm 5000 Series terminal enter:
      - CTX-0004-50AC-0547-000101
    - *Or*
      - CTX-0004-50C2-7044-000101
    - For any Winterm 8000 Series terminal enter:
      - CTX-0004-50E0-061C-000101
    - *Or*
      - CTX-0004-5092-0244-000101
    - For Netier™ (a Wyse Technology company) NetXpress™ (Windows NT-based) terminals enter:
      - CTX-0004-5092-0244-000101

6. Click the **OK** command button when you see the **Important Message** dialog box.
7. Record your complete Citrix license number. For example:  
`CTX-0004-5030-401C-000101-XXXX-XXXX`

**Note**

IMPORTANT! You will need to install a *separate* license for *each* Series type you wish to connect to the server. To do this, return to the **License** menu bar again and select **Add** to repeat the procedure as many times as needed.

8. Close the **Citrix Licensing** dialog box.
9. To activate your license number with Citrix, select **Start | Program | Citrix Device Services Tools (Common) | Activation Wizard**. Click on the **Help** command button for detailed information.
10. After you have registered with Citrix and received your activation code, select **Start | Program | Citrix Device Services Tools (Common) | Citrix Licensing** and highlight the entry that corresponds to the license number you just entered.
11. Select **Activate License** under the **License** menu bar. Type in the activation code you received from Citrix and click on the **OK** command button. To verify that your licence is activated go to the **Citrix Licensing** dialog box and in the **Activated** column you will see **Yes**.

Your server is now ready to allow connections from any Winterm 1200, 2000, 3000, 5000, or 8000 Series terminal, or NetXpress™ (Windows NT-based) terminal.

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## Local Printer Setup Procedure for Winterm Terminals

**Note**

Local printing is not supported for any Winterm 5000 Series terminals.

Follow these steps to set up your local printer using Citrix Device Services (CDS).

1. Connect to the CDS WTS Server with your Winterm terminal and log in.
2. From the **Start** menu, select **Settings | Printers**.
3. From the **Printers** dialog box, double click the **Add Printer** icon. The **Add Printer Wizard** will be activated. Click the **Next** command button. Click on the **Network printer server** radio button. Then click the **Next** command button.
  - If you already know the network printer name (or printer URL if using Windows 2000), enter that information in the appropriate text box.
  - If using Windows 2000, to browse the network for a printer leave the text boxes blank and click the **Next** command button.
4. From the **Shared Printers** selection menu in the **Connect to Printer** (Windows NT) or **Browse for Printer** (Windows 2000) dialog box double click on the **Client** icon. You will then see printer ports listed below it. Click to highlight the port that you are using, and then click on the **OK** (Windows NT) or **Next** (Windows 2000) command button.

**Note**

The following examples are generalized and show a Winterm terminal identified with a default name (<MAC address>#LPT1:). If the Winterm was assigned the client/terminal name "Pinky," for example, then that port would be identified as "Pinky#LPT1:."

Examples of Winterm 2000 Series terminal ports you might see:

- Term0080640CBE18#COM1:
- Term0080640CBE18#COM2:
- Term0080640CBE18#LPT1:

Examples of Winterm 3000 Series terminal ports you might see:

- WBT0080640CBE18#COM1:
- WBT0080640CBE18#COM2:
- WBT0080640CBE18#LPT1:

5. Follow the on-screen instructions to configure your printer type.

Now the local printer is set up to use with your Wyse terminal.