

Geeks Guide to BDD 2007 – Part 4, Deploying XP using Lite Touch

Welcome

BDD 2007, as you probably already know, is End-to-end guidance, best practices, and tools for planning, building, and deploying Windows and Office. BDD 2007 is developed by a team led by Michael Niehaus (lead developer) and Mike Lewis (Architect).

This guide explains the necessary steps to use the Lite Touch Component of BDD 2007 to deploy Windows XP. It assumes that you have set up the BDD 2007 deployment server as described in “Geeks Guide to BDD 2007 – Part 1, Core Configuration”.

For improvement suggestions (or bugs) in this guide, please drop a note to johan [dot] arwidmark [at] truesec [dot] com, at myitforum.com (alias jarwidmark) or post in the public Microsoft newsgroups (group: microsoft.public.deployment.desktop)

If you want to learn more, check out my public BDD 2007 classes, or bring me onsite to teach at your company location. Go <http://www.truesec.com> for more info.

Regards,

Johan Arwidmark
Microsoft MVP – Setup & Deployment

The guide covers the following steps

- Create and Capture a Windows XP Machine for LiteTouch
- Use Lite Touch to Install a new Computer

To complete the lab, you need the following virtual machines

- SRV001 (Domain Controller for tslab.net)
- PC0001 (Windows XP SP2, 512 MB of RAM)

Step 1 – Add Windows XP setup files

Add Windows XP installation files to the Deployment Workbench

1. ON **SRV001**, capture an iso-file with Windows XP SP2
2. Using the **BDD Workbench**, expand the Distribution node, right-click on the **Operating Systems** node, and select **New** (Or Click **New** from the **Actions** pane). Use the following settings for the **New Os Wizard**.
 - a. **Full set of source files**
 - b. Source directory: **<DVD-Drive>:**
 - c. Destination directory name: **Windows XP SP2 x86**

Step 2 – Create a Build

Create a Build

1. Using the **BDD Workbench**, right-click on the **Builds** node, and select **New** (Or Click **New** from the **Actions** pane). Use the following settings for the **New Build Wizard**.
 - a. Build ID: **WinXPSP2**
 - b. Build name: **Windows XP SP2 Reference**
 - c. Build comment: **Company Reference Build**
 - d. Operating System Image: **Windows XP SP2 x86**
 - e. ProductKey: **<Product Key>**
 - f. FullName: **TrueSec**
 - g. Organization: **TrueSec**
 - h. Internet Explorer home page: **http://www.truesec.com**
 - i. Administrator Password and confirm Password: **P@ssw0rd**
2. Configure the Task Sequencer for the Windows PE 2.0 uberbug (only valid for Windows XP and Windows Server 2003 deployments) using the following steps
 - a. Create a file named **Custom_Set_VDS_Alignment.reg** with the below content and copy to the Distribution\Scripts folder

Windows Registry Editor Version 5.00

[HKEY_LOCAL_MACHINE\SYSTEM\CURRENTCONTROLSET\SERVICES\VDS\ALIGNMENT]

"LessThan4GB"=dword:00000000

"Between4_8GB"=dword:00000000

"Between8_32GB"=dword:00000000

"GreaterThan32GB"=dword:00000000

- b. Add a custom task first in the **PreInstall** Phase with the following settings:

Name: **Fix WinPE 2.0 Bug**

Command Line: **reg import**

%SCRIPTROOT%\Custom_Set_VDS_Alignment.reg

Step 3 – Create and Capture a XP Reference Machine

Create a Windows XP Machine

1. On **SRV001**, copy the **D:\Distribution\Boot\LiteTouchPE_x86.iso** file to **Z:\Diskimages** (C:\Diskimages on the Host PC).
2. Create a new Virtual Machine with 512 MB RAM, name it **Windows XP SP2 Reference** and boot from the **LiteTouchPE_x86.iso** file.
3. Complete the BDD Deployment Wizard using the below settings
 - a. Keyboard Layout: **United States**
 - b. Specify credentials for connecting to network shares:
 - i. User name: **BuildAccount**
 - ii. Password: **P@ssw0rd**
 - iii. Domain: **TSLAB**
 - c. Computer name: (Default)
 - d. Join a workgroup: **Workgroup**
 - e. Specify whether to restore user data: **Do not restore user data and settings**
 - f. Select an operating system image to install: **Windows XP SP2 x86**.
 - g. Locale Selection: **English (United States)**
 - h. Time Zone: **(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna**
 - i. Select one or more applications to install: **Microsoft Word Viewer 2003**.
 - j. Specify whether to capture an image: **Capture an image of this computer**
 - i. Location: **\\SRV001\Distribution\$\Captures**
 - ii. File name: **WinXPSP2LT.wim**
 - k. Review the Details before clicking **Begin**.
4. After installing the base XP operating system and the Word Viewer application, BDD will automatically run sysprep and capture the computer to an image.

Step 5 – Add the previously captured LT image

Add Windows XP SP2 installation files to the BDD Workbench

1. On **SRV001**, using the **Deployment Workbench**, expand the **Distribution** node, right-click on the **Operating Systems** node, and select **New** (Or Click **New** from the **Actions** pane). Use the following settings for the **New Os Wizard**.
 - a. **Custom Image File**
 - b. Source file: **D:\Distribution\Captures\WinXPSP2LT.wim**
 - i. **Move the files to the distribution share instead of copying them**
 - c. Destination directory name: **Windows XP SP2 LT**

Add another Build

1. Using the **Deployment Workbench**, right-click on the **Builds** node, and select **New** (Or Click **New** from the **Actions** pane). Use the following settings for the **New Build Wizard**.
 - a. Build ID: **WinXPSP2LT**
 - b. Build name: **Windows XP SP2 LT**
 - c. Build comment: **Company Standard LT Build**
 - d. Operating System Image: **CDrive in “WinXPSP2LT\WinXPSP2LT.wim”**
 - e. ProductKey: **<Product Key>**
 - f. Organization: **TrueSec**
 - g. FullName: **TrueSec**
 - h. Internet Explorer home page: **http://www.truesec.com**
 - i. Administrator Password and confirm Password: **P@ssw0rd**
2. Configure the Task Sequencer for the Windows PE 2.0 uberbug (only valid for Windows XP and Windows Server 2003 deployments) using the following steps
 - a. Create a file named **Custom_Set_VDS_Alignment.reg** with the below content and copy to the **Distribution\Scripts** folder

Windows Registry Editor Version 5.00

```
[HKEY_LOCAL_MACHINE\SYSTEM\CURRENTCONTROLSET\SERVICES\VDS\ALIGNMENT]
```

```
"LessThan4GB"=dword:00000000
```

```
"Between4_8GB"=dword:00000000
```

```
"Between8_32GB"=dword:00000000
```

```
"GreaterThan32GB"=dword:00000000
```

- b. Add a custom task first in the **PreInstall** Phase with the following settings:

Name: **Fix WinPE 2.0 Bug**

Command Line: **reg import**
%SCRIPTROOT%\Custom_Set_VDS_Alignment.reg

Step 6 – Install a new XP Client using Lite Touch

Install a new Windows XP client using Lite Touch

1. Create a new Virtual Machine with 512 MB RAM, name it **Windows XP SP2 LT - New Computer** and boot from the **LiteTouchPE_x86.iso** file
2. Complete the BDD Deployment Wizard using the below settings
 - a. Keyboard Layout: **United States**
 - b. Specify credentials for connecting to network shares:
 - i. User name: **BuildAccount**
 - ii. Password: **P@ssw0rd**
 - iii. Domain: **TSLAB**
 - c. Computer name: (Default)
 - d. Join a Domain: **TSLAB**
 - i. User name: **JoinAccount**
 - ii. Domain: **TSLAB**
 - iii. Password: **P@ssw0rd**
 - e. Specify whether to restore user data: **Do not restore user data and settings**
 - f. Select an operating system image to install: **Windows XP SP2 LT**
 - g. Locale Selection: **English (United States)**
 - h. Time Zone: **(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna**
 - i. Select one or more applications to install: **None** (already installed in image)
 - j. Review the Details before clicking **Begin**.
3. BDD 2007 will now Deploy a Windows XP SP2 image including Word Viewer.