

Intel® Platform Administration Technology

Quick Start Guide

320014-003US

This document explains how to get started with core features of Intel® Platform Administration Technology (Intel® PAT).

After reading this document, you should know how to use Intel® PAT and where to look for more information.

For more information, see the Intel® PAT User Guide, Installation Guide or advanced tutorial.

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1 Introduction

Intel® Platform Administration Technology (Intel® PAT) is an integrated, cost-effective, and easy-to-use manageability platform solution for small and medium-sized network environments. It provides manageability functions that assist IT administrators in maintaining clean and stable systems with high efficiency.

Intel® PAT package includes the following components:

Server	Client
<ul style="list-style-type: none">• Intel® PAT Branch Server• Intel® PAT Central Server	<ul style="list-style-type: none">• Image and Asset Management Client• Client Hard Disk Restore

1.1 Glossary

Make sure you understand the following terms before starting:

Golden Machine, Disk Image, Software Update Package, Deployment, Network Recovery, Hard Disk Protection, Checkpoint, Local Recovery, Save Data. For more details, see the Intel® PAT Server Online Help and the Client Hard Disk Restore Online Help.

1.2 System Requirements

Make sure your system meets the following requirements before installation:

Hardware Requirements	
Server	Client
<ul style="list-style-type: none">• CPU: Intel® Pentium® 4 Processor, 2.8GHz• Motherboard: Any Intel® motherboard• Memory: 1GB• Hard-disk: 2 x Client Hard Disk Size• NIC: 1000Mbps• CD-ROM: 16x	<ul style="list-style-type: none">• CPU: Any CPU of processor family below:<ul style="list-style-type: none">• Intel® Core™ 2 Duo• Intel® Pentium® D• Intel® Pentium® 4• Intel® Celeron® D• Memory: 512MB• Hard disk: 80GB IDE



Software Requirements

Server	Client
Operating System	
<p>Only 32bits operating systems of the following are supported.</p> <ul style="list-style-type: none"> Windows Server 2003 Standard Edition* (SP1) Windows Server 2003 Enterprise Edition* (SP1) Windows XP Professional Edition* (SP2) 	<ul style="list-style-type: none"> Windows XP Professional Edition* (SP2) Windows Vista All Editions* (SP2)
Windows* Components and Services	
<ul style="list-style-type: none"> Internet Information Services (IIS) component, Version 5.0 or above Dynamic Host Configuration Protocol (DHCP) component (Optional) Windows Management Instrumentation service 	<ul style="list-style-type: none"> DHCP Client component (Optional) Network Connection component Windows Management Instrumentation service
Third Party Software	
<ul style="list-style-type: none"> Microsoft Internet Explorer *, Version 6.0 or above Microsoft SQL Server 2005 Express Edition * Microsoft Data Access Components *, Version 2.7 or above Microsoft Windows Installer 3.1 Redistributable * Microsoft .NET Framework *, Version 2.0 	<ul style="list-style-type: none"> Microsoft .NET Framework *, Version 3.5

2 Installing and Getting Started

For the detailed steps of the [blue text](#), see the Online Help.

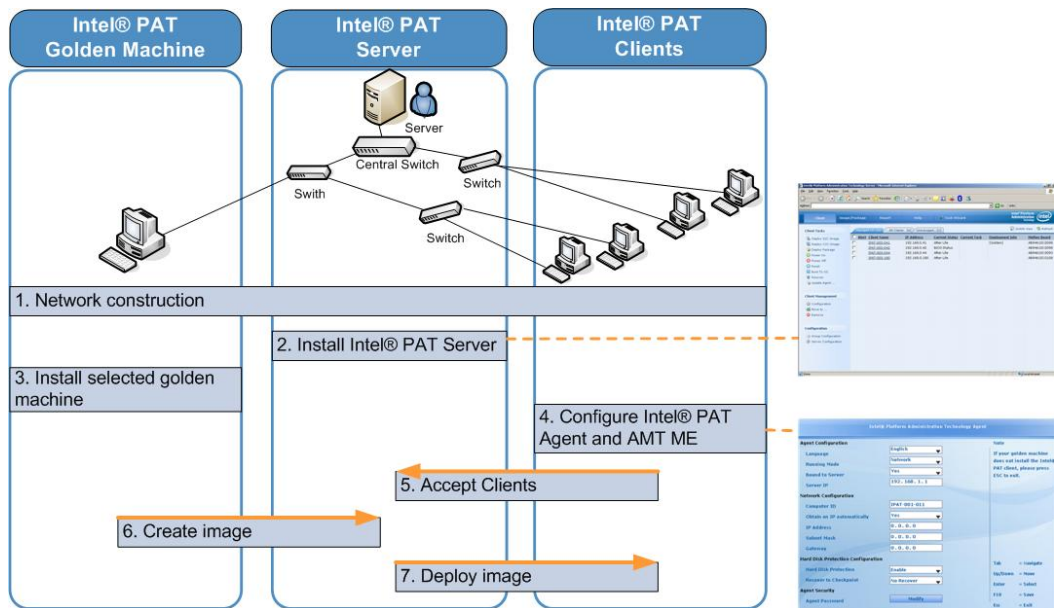
2.1 Classic Installation

The Intel® PAT **Classic Installation** is also called **Full Installation**. It includes server and client installation, image creation, and deployment.

After the classic installation, you can:

- manage clients and execute server-to-client deployment on the server
- execute hard disk restore and client-to-client deployment on the client machines

We recommend using Classic Installation.



Classic Installation Flowchart



Installation Steps:

Step 1. Network Construction

- You need to complete [Network Construction](#) before Intel® PAT system setup

Step 2. Install Intel® PAT Server

- [Install Intel® PAT Server](#) on the server and complete [Server License Activation](#)**
- If your client machines are installed with Windows* Vista operating system, you need to [configure your server for Vista clients](#).
- [Configure Internet Explorer*](#) on the server to support JavaScript*. The Intel® PAT Server requires JavaScript support.

Step 3. Install Selected Golden Machine

- Select a client to be the golden machine, and [install an OS and applications](#) on that machine
- If your client machines are installed with Windows* Vista operating system, you need to [configure Windows Vista on the Client](#).
- [Install Intel® PAT Client](#) on the golden machine

Step 4. Configure Intel® PAT Agent

- For new Intel® PAT clients, [get and configure Intel® PAT Agent](#) ** first
- Configure each client: If you choose automatic configuration, you need to set the server to [obtain an IP address automatically](#). If you choose manual configuration, [enter computer ID](#) and [assign an IP address manually](#) to clients
- For AMT clients, you need to [configure ME for AMT clients](#)

Step 5. Accept Clients

- [Accept new clients](#) on the server
- [Set golden machine](#) and [boot it to OS](#)

Step 6. Create Image

- [Create image](#) for golden machine

Step 7. Deploy Image

- [Deploy image](#) to other Intel® PAT clients

Installation is complete.

** [Server License Activation](#):

For more information of Server License Activation, see section 3 of this Quick Start Guide

**** Get and configure Intel® PAT Agent:**

The Intel® PAT 4.x Agent exists on the server, while previous versions existed in client firmware. To get and configure the Intel® PAT Agent. Please note:

- Make sure you have installed Intel® PAT Server
- Make sure all clients are correctly connected to the LAN
- You may need to configure the DHCP service**
- You need to enter each client BIOS, setting the boot option to Boot from PXE
- After installing the Intel® PAT Client (or deploying an image containing the Intel® PAT client.), the Intel® PAT Agent will exist on local client machines. You do not need to repeat the download process.
- After the deployment, enter client BIOS again and set the boot option to Normal Boot
- After the Intel® PAT Agent download, you can press **F4** to run Intel(R) PAT Agent when the screen displays "Press F4 to enter Intel(R) PAT Agent..." After that, you can press **Any Key** in the first **3 seconds** when screen displays " Press any key to enter configure window..."

For the detailed steps of DHCP Service configuration, see the Intel® PAT Server Online Help.

2.2 Modularized Installation 1: Only Use Hard Disk Restore

If you do not manage clients through Intel® PAT Server, you can still install Intel® PAT Client to use the hard disk restore function.

You can click client setup.exe and follow on-screen instructions to install Intel® PAT Client on individual client machine.

If you still want to use Intel® PAT Server after installing Intel® PAT Client on the clients, follow these steps to manage your clients:

Step 1. Install Intel® PAT Server

- [Install Intel® PAT Server](#) on the server and complete [Server License Activation](#)
- [Configure Internet Explorer*](#) on the server to support JavaScript*. The Intel® PAT Server requires JavaScript support.

Step 2. Configure Intel® PAT Agent

- Configure each client: If you choose automatic configuration, you need to set the server to [obtain an IP address automatically](#). If you choose manual configuration, [enter computer ID](#) and [assign an IP address manually](#) to clients

Step 3. Accept Clients

- [Accept new clients](#) on the server
- [Set golden machine](#) and [boot it to OS](#)



- Execute [Boot to OS](#) command to other clients

All clients now are registered to the server. You can start client management through Intel® PAT Server Console, including image creation and deployment.

2.3 Modularized Installation 2: Only Use Image/Package Deployment

In some special cases, if you can not install Intel® PAT Client on your clients, you still can utilize the deployment function provided by Intel® PAT to set up your system.

In this case, the installation steps are similar to classic installation. The difference is:

1. You do not need to install Intel® PAT Client on the golden machine
2. After the golden machine registers to Intel® PAT server console, you need to reboot the golden machine and enter its agent to configure it. Then you can create and deploy an image.

Installation Steps:

Step 1. Network Construction

- You need to complete [Network Construction](#) before Intel® PAT system setup
- **Step 2. Install Intel® PAT Server**
- [Install Intel® PAT Server](#) on the server and complete [Server License Activation](#)
- [Configure Internet Explorer*](#) on the server to support JavaScript*. The Intel® PAT Server requires JavaScript support.

Step 3. Install Selected Golden Machine

- Select a client to be golden machine and [install OS and applications](#) on it
- [Install Intel® PAT Client](#) on the selected golden machine

Step 4. Accept Clients

- [Accept new clients](#) on the server
- [Set golden machine](#) and [boot it to OS](#)

Step 5. Create Image

- [Create image](#) for golden machine

Step 6. Deploy Image



- [Deploy image](#) to other Intel® PAT clients

Installation is complete.

2.4 Other Typical Scenarios

See the Intel® PAT Online Help for instructions for the following scenarios:

- How to install a new Intel® PAT system
- How to add new clients to Intel® PAT system
- How to recover a client through remote recovery
- How to recover a client through re-deploy image and package
- How to replace hard disk
- How to replace motherboard
- How to replace other hardware
- How to install, un-install or upgrade games
- How to re-install server
- How to re-install client



3 Activating the Intel® PAT Server

After you have installed Intel® PAT Server, you need to complete server activation process before using it. To complete Server Activation:

1. Access Intel® PAT Server Console
2. Click **Activate Now** button to, enter the **License Key** page
3. Read "License key Activation" section, prepare your Intel® PAT Server key code, and access Intel® PAT website: <http://platformadmintech.intel.com/>
4. Click the **Registration** hyperlink on the website homepage, register your information and click Submit.
 - Enter the correct key code and supported client numbers
 - Enter a valid email address
5. You will get email confirmation of the license key.
6. In the Intel® PAT **License Key** page, fill in the license key in **License Key Activation** column and click **Activate** button.

Activation is complete, you will enter Intel® PAT Server Console **Client Management** page. You can start to use Intel® PAT.

To change your supported client numbers later:

- Access **Help>License Activation** in Intel® PAT Server Console
- Click the **License Key** hyperlink
- Repeat steps 3-6 above.



4 Getting Help

You can get more Intel® PAT help through:

- Intel® PAT user online help: Including Server Online Help, Client Hard Disk Restore Help. Find these documents from the product CD, technical support website or software Help page.
- Intel® PAT official website: <http://platformadmintech.intel.com/>
- Intel® PAT technical support website: <http://support.intel.com/support/performance/tools/manage/ipat/index.htm>

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