I **RPX**
One Stop Logistics

Nama System   :   Integration Server
Versi   :   1.0
Bulan release   :   October 2008
Ditujukan untuk SBU   :   Operation – PT. Antareja Prima Antaran
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Integration Server

Installation Manual

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Preface

This manual is a how to setup a HP Proliant ML110G5 with Windows 2003 Server for Integration Server. The first section is for installing Integration Branch Server and the last section is for installing Integration HQ Server. If you are using different server / OS will modify it to suits your need.

Installation of Integration Branch Server

Bios Setup

1. Power-on the Server
2. Go to BIOS by pressing F10
3. Main > Set Server Asset Text > Integration{Site} (i.e. IntegrationKJE)
4. Advanced > Sata Raid > Enabled Sata Raid > Enabled
5. Save & Exit

Raid Setup

1. Go to Raid Controller by pressing F8
2. Array Configuration Utility <enter>
3. Create Array <enter>
4. add all drives by pressing Insert twice then <enter>
5. Array Type > Raid 1
6. Create Drive Type > Quick Init <enter>
7. Done <enter>
8. Exit ACU by pressing ESC several times

Windows 2003 Server R2 Install CD

Use only **Windows 2003 Server R2 Install CD**

1. Locate where Windows installed - Use only 1/3 of Harddisk Space (i.e. 50GB if the HDD size is 160GB)
2. Press 'c' and type 50000 <enter>
3. Choose Quick Format (NTFS) <enter>
4. License Agreement > Accept <enter>
5. Windows User:
    a. Name: Integration
    b. Organization: APA
6. Licensing > Per Server > 999
7. Computer Name: Integration{Site} (i.e. IntegrationKJE)
8. Administrator Password: integrationadmin
9. Time Zone: GMT +7 and make sure date and time as correct when you install it

Windows 2003 Server R2 Configuration

Windows 2003 Server R2 Configuration

1. Configure Automatic Update > Everyday
2. Create additional partition from the rest remaining HDD space (Drive E:) with Volume Name: DATA
3. Create new folder E:\Master and E:\Server\Integration
4. Insert Windows 2003 Server R2 Disc 2 to complete installation. Copy folder D:\R2 to E:\Master
5. Install HP Proliant Pack Software from HP Proliant ML110 G5 Server Easy Setup CD to install driver for Chipset, NIC and VGA. Copy folder D:\driver to E:\Master
6. Install HP NULL IPMI Management / Driver on Folder D:/driver/nullmgmt by executiong the following files:
    a. CP007529.exe
    b. CP008969.exe
7. Insert Disc 1 Windows 2003 Server R2. Copy folder D:\i386 to E:\Master
8. Install Remote Admin. Configure as Service. And set password:rpxoneserver
9. Restart Server when required

Add User Integration

1. Click Menu Start > Administrative Tools > Computer Management
2. Expand sub-menu System Tools > Local Users and Groups > Users
3. Click Menu Action > New User
4. User name: integration
5. Full name: integration
6. Password: integration
7. Confirm Password: integration
8. Remove tick mark: User must change password at next logon
9. Add tick mark: Password never expires
10. Click Create button

Turn on Automatic Logon

To use Registry Editor (Regedt32.exe) to turn on automatic logon, follow these steps:

1. Click Start, and then click Run
2. In the Open box, type Regedt32.exe, and then press ENTER
3. Locate the following subkey in the registry: HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Winlogon
4. Double-click the DefaultUserName entry, type integration, and then click OK
5. Double-click the DefaultPassword entry, type integration, and then click OK

NOTE: If the DefaultPassword value does not exist, it must be added. To add the value, follow these steps:
   a. On the Edit menu, click New, and then point to String Value
   b. Type DefaultPassword, and then press ENTER
   c. Double-click DefaultPassword
   d. In the Edit String dialog, type your password and then click OK

   NOTE: If no DefaultPassword string is specified, Windows automatically changes the value of the AutoAdminLogon key from 1 (true) to 0 (false), disabling the AutoAdminLogon feature

6. On the Edit menu, click New, and then point to String Value
7. Type AutoAdminLogon, and then press ENTER
8. Double-click AutoAdminLogon
9. In the Edit String dialog box, type 1 and then click OK
10. Quit Registry Editor

Notes:
1. To bypass the AutoAdminLogon process and to log on as a different user, hold down the SHIFT key after you log off or after Windows restarts
2. When you log in as Administrator, the AutoAdminLogon will unable to login automatically, you will need to enter username and password integration

Disable Shutdown Tracker

So Windows wont ask why it shutdowned or restarted suddenly

1. Click Start – Run then type "gpedit.msc"
2. Look section Computer Configuration, choose submenu Administrative Templates
3. Click System under menu Administrative Template, then search for "Display Shutdown Event Tracker"
4. Double-click Display Shutdown Event Tracker then choose radio button "Disable" then click Ok
5. Quit the program

Install and Configure FTP Server

Setup FTP Services

1. Start > Control Panel > Add and Remove Programs
2. Click Add/Remove Windows Components
3. Tickmark Application Server then click Details… button
4. Choose Internet Information Services (IIS) then click Details… button again
5. Tickmark File Transfer Protocol (FTP) Services
6. Click OK button twice, then click Next
7. When it prompts for Windows CD, redirect it to E:\Master\i386

Configuring FTP Services

16. Click Menu Start > Administrative Tools > Computer Management
16. Expand sub-menu Services and Applications > Internet Information Services > FTP Sites
16. Right click on Default FTP Site and choose Properties
16. Untick Allow Anonymous Connection on Security Accounts tab
16. Choose Home Directory tab
16. Set Local path into E:\Server\Integration
16. And Tickmark Write checkbox
16. Click OK

Install FTP Monitor

1. Install .NET Framework version 2
2. Install FTP Monitor and make sure choose for everyone, just click Next, Ok, Yes and Finish buttons.
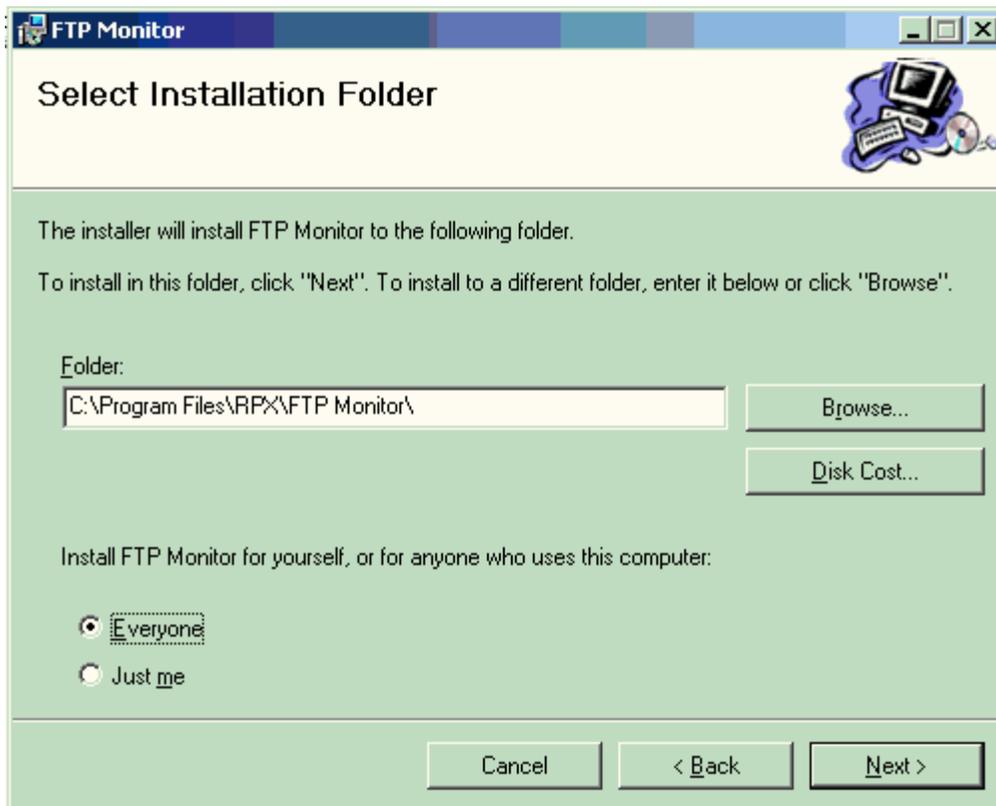
NOTES: Now login as integration, after that unplug the power cord, wait 5 seconds and plug it in again. The server should be on, and automatically login as integration user and FTP Monitor application running.

Optional Steps

Below are optional steps for Integration Server at Branch to configure it as Domain Controller, FileServer and Symantec Antivirus Server

Setup Domain Controller

To setup the server as Domain Controller just follow the wizard when running dcpromo program.

1. Start > Run > dcpromo
2. When not specified, you just accept the default option
3. Choose Domain Controller for a new domain when asked what Domain Controller you want to install
4. Choose Domain in a forest when asked what Domain type
5. Type {site}.rpxholding.com for full DNS name for new domain (i.e. sub.rpxholding.com)
6. On DNS Registration Diagnostics, choose Install and configure the DNS server on this computer, and set this computer to use this DNS server as its preferred DNS server
7. When prompted for password use the same password for Administrator
8. When it prompts for Windows CD, redirect it to E:\Master\i386
9. Restart Server when asked

After Domain Controller install succesfully, you will need to add additional group to user integration so it can log in interactively to server. The groups need to be added to are:

1. Account Operators: so user integration can add new user for domain with out log out became administrator which can cause FTP Monitor program terminate.
2. Server Operators: so user integration can login interactively on server.
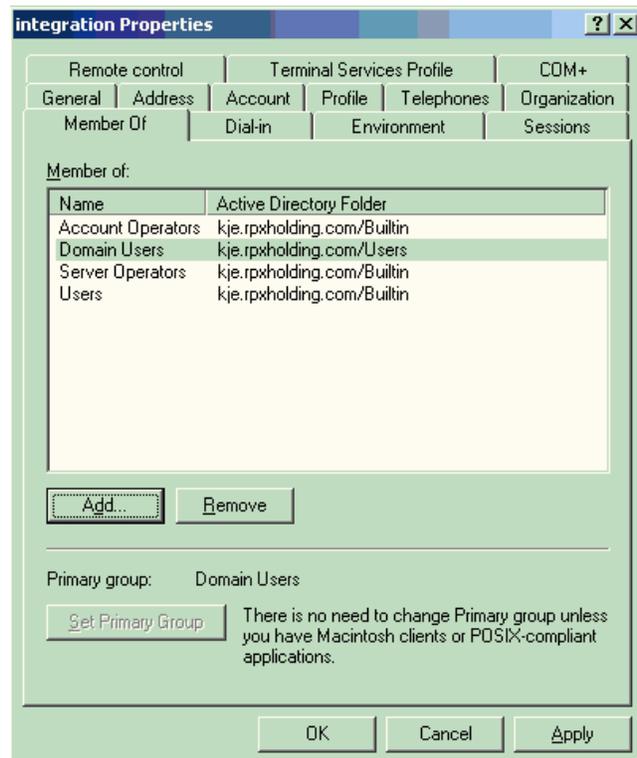
Setup FileServer

This to enable users at Branch using the Server as File Server where they can store important files need to be kept or share.

1. Create a New Folder on Drive E: with the same the Department or whatever folder name they asked (i.e. E:\OPS)
2. Open Active Directory Users and Computers from Administrative Tools
3. Click Users folder
4. Create new Group, choose menu Action > New > Group (i.e. OPS)
5. Create new User, choose menu Action > New > User, do it several times until all users that required access to folder OPS are created
6. Open OPS Group and add all members that designated to this group
7. Share OPS folder and add Permissions only to OPS Group

There are some utilities and softwares that may need to copied to Integration Branch Server so TechSupport can install the softwares / fix the PC, with out have to taking time to long to transfer it over the WAN. All Utilities and software should be copied to folder E:\TSP

Setup Symantec Antivirus Server

Symantec Antivirus Server is able to act as a server to centralized new anti virus definition for its client.

To install Symantec Antivirus Server follow this step:

1. Insert Symantec Endpoint Protection 11 Disc to CD/DVD Drive
2. Run Setup.exe
3. Click Install Symantec Endpoint Protection
4. Click Install Symantec Endpoint Protection Manager
5. Just follow the wizard
6. After installation of Symantec Antivirus Server done, you will be asked to create a site.
7. On Management Server Configuration Wizard choose Install my first site
8. Just follow the wizard and use default value
9. When prompted for password, type symantec
10. Wait a moment while it deploy the Management Center
11. After finishing creating a site, then you need to deploy a client, answer Yes to Do you want to run the Migration and Deployment Wizard now?
12. Answer Deploy the client when asked What would you like todo?
13. Type rpxav to name of a new group
14. Select the features you want to include by Symantec AV client. See below screenshot
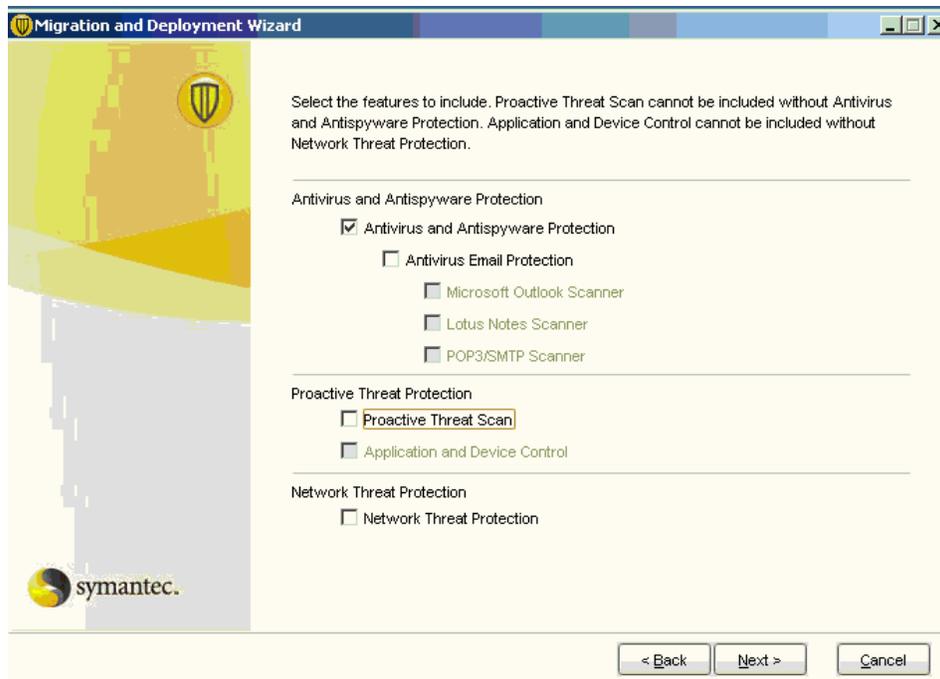
16. Choose only "32-bit Client Install Package" and save it on Folder E:\master\sav client
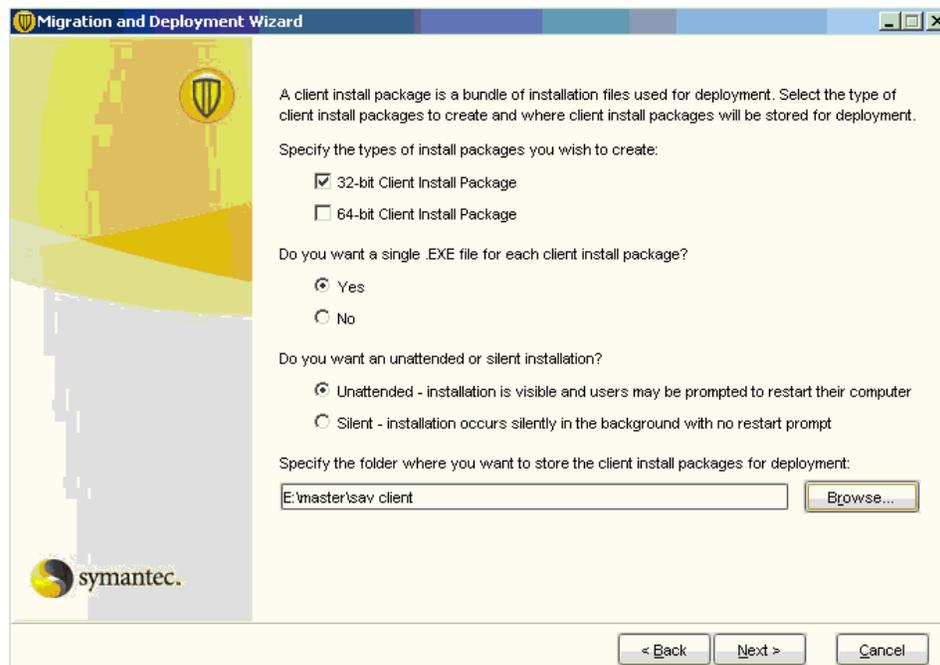
16. On the next screen choose "No, just create them and I'll deploy them later" Click Finish

Installation of Integration HQ Server

Installation of Integration HQ Server is almost the same with Integration Branch Server, except all optional steps are not done, because Domain Controller, File Server and Symantec AV Server already has it's own server.

And for software installed, we are not using FTP Monitor but using
- Delta Uploader: For submitting Domestic text files uploaded by Branch Server / PDA into Delta database.
- Cosmos Uploader: For submiting International text files into COSMOS (FedEx System)

Integration Servers: the big picture

Integration Server is only a piece of component for Integration Project. Below you can see how Integration Servers interact with other components to make Integration Project running properly.