

5 Minute Photo's LinuxInTheMiddle Solution

Zero Configuration File Sharing Solution

For 5 Minute Photo Loader/Viewer Version 7

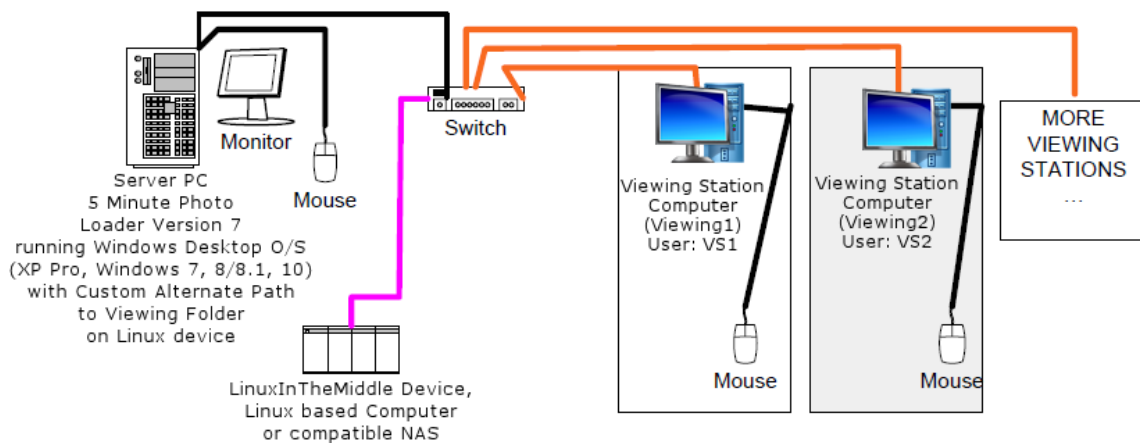
www.LinuxInTheMiddle.com

www.5MinutePhoto.com



**NOTICE: Loader/Server Computer and
ALL Viewing Stations
MUST use 5 Minute Photo Version 7 software.**

5 Minute Photo - LinuxInTheMiddle.com Solution for more than 10/20 Viewing Stations



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Overall Concept of LinuxInTheMiddle using 5 Minute Photo Loader/Viewer Software.

Most NAS devices are Linux based and are a very cost effective way of using more than 10/20 Viewing Stations with the 5 Minute Photo Loader/Viewer Software (Version 7 or greater).

The 5 Minute Photo database and Viewing Folder is setup on a Linux based computer/device and shared as EventView.

The Viewing Stations are configured with name of the Linux device (5MinutePhoto) as the Server name. The Viewing files and the Database are accessed from the LinuxInTheMiddle device rather than from the Loader computer. The Loader is configured to use an Alternate File Location ([\\5MinutePhoto\EventView](#)) for the Viewing folder that points to the LinuxInTheMiddle device.

This eliminates the need for a Windows Server based O/S on the Loader computer when using more than 10/20 Viewing Stations (maximum connections for Windows Desktop O/S like XP Pro [10 connections], Windows 7 or 8 [20 connections]), since a LinuxInTheMiddle solution doesn't require CAL's (Client Access License) for each connection.

Note: Overall performance of system is dependent on the speed/power of the LinuxInTheMiddle device, the Loader/Server computer, the Viewing Stations and all of the network components.

5 Minute Photo's LinuxInTheMiddle Device

The LinuxInTheMiddle device is actually a very small computer and contains a hard drive, memory and operating system just like other computers (it just doesn't have a monitor or human interface to be able to see what's going on). The device does require adequate time to boot up and shutdown just like any other computer (since there is no monitor the boot up and/or shutdown processes are indicated by the LINK/ACT LED on the front of the device). The device can be used in either an upright vertical position or laid flat in a horizontal position (recommended to prevent getting knocked over).

Setting up the LinuxInTheMiddle Device:

1. Attach Ethernet/Network Cable to Ethernet port on back of device and attach the other end of the Ethernet/Network cable to a hub, router or switch.
2. Insert A/C adapter plug into the back of the device and plug the AC adapter into a surge protector or AC outlet. A strain relief is provided to minimize strain on the cord and help prevent the plug from coming disconnected accidentally.
3. Set the switch on the back of the device to the ON position.
4. The LINK/ACT LED on front of device will begin to blink as the device boots up.
5. The LINK/ACT LED should stop blinking and remain on steady once the device has completed its boot up process, connected to the network and automatically configured itself for use with the 5 Minute Photo Loader/Viewer software.



NOTE: All 5 Minute Photo LinuxInTheMiddle devices come preconfigured with the following settings:

Preconfigured Device Name:	5MinutePhoto
Preconfigured IP Address:	192.168.1.251
Preconfigured Workgroup Name:	ONSITE

WARNING: The 5 Minute Photo LinuxInTheMiddle device consists of a proprietary configuration and setup that allows for quick and simple use exclusively with the 5 Minute Photo Loader/Viewer Software and/or 5 Minute Photo preconfigured systems and should not be altered or reconfigured. Attempting to reconfigure this device with alternate settings may render this device unusable with the 5 Minute Photo Loader/Viewer software system. If the device is reconfigured and becomes unusable, the device will need to be returned to 5 Minute Photo to be reinitialized and reconfigured. (No charge for first reconfiguration but successive reconfigurations may incur service charges/fees, depending on circumstances.)

Your network settings (IP Addresses, Workgroup Name should be set accordingly). i.e. All computers (Loader/Server and Viewing Stations) on the network should use the same Workgroup name **ONSITE** when using a 5 Minute Photo preconfigured system or a LinuxInTheMiddle device. All IP Addresses should be set as static using the following guidelines:

192.168.1.100 as the IP Address for the Loader Computer.

192.168.1.### - where ### is the next sequential/available IP Address starting at 101 for the first Viewing Station, 102 for the second Viewing Station, etc.

NOTE: Each device on a network MUST have a unique IP Address. On a 5 Minute Photo preconfigured system the Loader/Server will be preset to 192.168.1.100 and the Viewing Stations will be set as follows (refer to the pre-attached stickers on any Loader/Server or Viewing Station or device preconfigured by 5 Minute Photo:

[Name of Computer] = [Unique IP Address]

Viewing1 = 192.168.1.101

Viewing2 = 192.168.1.102

Viewing3 = 192.168.1.103....etc.

The “Subnet Mask” should ALWAYS be 255.255.255.0 on all network devices when using a preconfigured 5 Minute Photo Server/Loader/System or a LinuxInTheMiddle solution.

File/Folder Maintenance

NOTE: If you are currently already using 5 Minute Photo and want to keep your current Viewing folder and database (Orders, Favorites, Products, etc.) you will need to copy the Viewing Folder and/or database file (5MinutePhotoV7.vdb4) from the current Viewing folder (shared as EventView) to the new EventView folder on the 5MinutePhoto LinuxInTheMiddle device manually using Windows Explorer.

Access to the Viewing folder (shared as EventView) on the LinuxInTheMiddle device from the Loader/Server (or other computer on the network) is identical to accessing other networked computer/devices via Windows Explorer. When properly configured, setup and powered on, you can access the device/folders/files on the LinuxInTheMiddle device by navigating to My Network Places/Network (depending on operating system) and drilling down to find the device **5MinutePhoto** and then drill down to see the **EventView** folder, drill down to see your Events, then drill down to see your Games/Competitions and then drill down to see your actual JPG images. Maintenance of folders and images (copying, deleting, etc.) is also done using this method (just remember NOT to delete the 5MinutePhotoV7.vdb4 database or you will lose your Orders, Favorites and Product information).

Configuring 5 Minute Photo Loader/Viewer Software for use with the LinuxInTheMiddle device.

Configuring the Loader:

On the Main tab of the Loader configuration screen, enter `\\5MinutePhoto\EventView` in the text box for the Alternate File Location for the Viewing Folder/Images as shown below and then click on “Save Changes”.

Processing/Alternate File Location Options:

5 Minute Photo Loader Configuration Options

Main | Terminology | Start Page | Events | Games | Thumbnails | Previews | Favorites | Drag-N-Drop | Orders/Invoices | Viewer Defaults | Web | Advanced

File Location Options
Location of 5 Minute Photo Folder (default C:): C:\

Erase Source Default
 Default to Erase CF Card/Source after Processing

Processing Options/Alternate File Locations
WARNING: Using Non-Default Settings on the Options below may cause problems if using other features that are dependent on images being in the Original, Printing and/or Viewing Folders. Selecting non-internal or non-local drives as Alternate File Locations may cause performance issues!

Copy Images to Original Folder - clear text box below to copy to default 5MinutePhoto\Original Folder Copy ALL Files (RAW, etc.)
Browse Clear

Auto Rotate Printing/Viewing Images

Copy Images to Printing Folder

Create Shortcut to Original Image in Printing Folder
Printing Folder - clear text box below to copy to default 5MinutePhoto\Printing Folder
Browse Clear

Copy Images to Viewing Folder - clear text box below to copy to default 5MinutePhoto\Viewing Folder
\\5MinutePhoto\EventView Browse Clear

Preview Landscape Image Width/Size (in pixels - default 852 - optimal for 1024x768 screen resolution) 852

Loader Sort Orders
Event Sort Order Alphabetical/Default Descending/Reverse/Most Recent First
Game Sort Order Alphabetical/Default Descending/Reverse/Most Recent First

Restore Defaults
Save Changes Cancel

Configuring the Viewer:

On the General tab of the Viewer configuration screen, enter **5MinutePhoto** in the text box for the Name of Server for each Viewing Station as shown below. Click on Save and Return to Viewer or Save and Exit.

The screenshot shows the '5 Minute Photo Viewer Configuration' window. The 'Network Settings (Required)' section is highlighted in yellow, with the 'Name of Server' field containing '5MinutePhoto'. Below this, there are three sections for configuration: 'Default Event' (set to 'Test Winter 2013' with 'Use Latest' checked), 'Thumbnails Across' (set to 5), and 'Auto Timeout' (set to 1 minute and 0 seconds). The 'Auto Timeout' section has several radio button options: 'Return to Main Screen' (selected), 'Random Slide Show of ALL Event Photos (not recommended for events with more than 2000 images)', 'Slide Show of 100 most recent images', 'Slide Show of Images in Submitted Orders', and 'Slide Show of Images in Selected Folder'. At the bottom, there are buttons for 'Auto Start Viewer on Computer Startup', 'Launch Windows On-Screen Keyboard', 'Restore Defaults', 'Save and Return to Viewer', 'Save and Exit', and 'Cancel/Exit'. The footer text reads 'Software Copyright © 2005-2014 5MinutePhoto.com'.

That's all there is to it!

What to do when finished using the device.

1. Exit the Loader software on the Loader computer.
2. Exit the Viewer software on all Viewing Stations.
3. Set the switch on the back of the LinuxInTheMiddle device to OFF (the bottom position). The LINK/ACT LED will begin to blink as the device properly shuts down. Once the LINK/ACT LED has quit blinking and turned off, the device is ready to be unplugged from the network and AC outlet and moved or stored.