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Configuration of network between Pardus and WindowsXP

Introduction

This is a manual about configuring a network between computers after a new installation of Pardus and WindowsXP Professional (+SP2).

Both computers are connected to a router or a switch.

[Apply] = activate the [Apply] button or select [this text].

{text} = the text in a window.

Settings for Pardus 2011

1. Open a konsole.

2. Install required software:

sudo pisi it samba-swat xinetd -y

3. Get root privileges:

su

4. Create a file "http://en.pardus-wiki.org/etc/xinetd.d/swat"http://en.pardus-wiki.org as shown in the picture bellow.

The easiest way is to select/copy the entire text in the box below and paste it in the konsole and check for a 100% equal result from the picture below.

```
rm /etc/xinetd.d/swat -f
echo 'service swat
{
       port            = 901
       socket_type     =  stream
       protocol        =  tcp
       wait            =  no
       user            =  root
       server          =  /usr/sbin/swat
       only_from       =  127.0.0.1
       log_on_failure  += USERID
       disable         =  no
} '>>/etc/xinetd.d/swat
exit
more /etc/xinetd.d/swat
```

.

5. Start KWrite with root privileges and modify file /etc/services:

/usr/lib/kde4/libexec/kdesu kwrite /etc/services

(wait some seconds for KWrite to appear) and change (with function Edit > Replace) the text (2x)

```
smpnameres
```

into

```
#smpnameres
```

6. After saving check with:

more /etc/services

.

7. Set password for root:

sudo smbpasswd -a root

(*ignore warnings (10x) "http://en.pardus-wiki.orgaccount_policy_get: tdb_fetch_uint32 failed for type .."http://en.pardus-wiki.org*)

8. Add root as user:

sudo smbpasswd -e root

.

9. Set Xinetd at startup and activate the service in System Settings > Service Manager.

(*in konsole with*

sudo service xinetd on

and

sudo service xinetd start *)*

10. Login to the Samba Settings page in Firefox at address http://localhost:901/

.

11. Allow (if applicable) traffic on port 445 at the Incomming connections of the Firewall in System Setting > Firewall.

.

12. Set Samba at startup and activate the service in System Settings > Service Manager or reload the service after every change in the Samba Settings.

(*in konsole with* sudo service samba on

and

sudo service samba start or sudo service samba reload *)*

13. Access from client computer to server (samba) computer through

```
smb://username@ip.address.of.server
```

in address bar of Dolphin.

.

Settings for Pardus 2009/2008

Pardus 2009

```
[System Settings] > [Service Manager]
      if not green flag at samba: put cursor on samba > check mark at "http://en.pardus-wiki.orgRu

[System Settings] > [Firewall Manager]
      if "http://en.pardus-wiki.orgFirewall is activated"http://en.pardus-wiki.org check that ther

[System Settings] > [Network Manager]
      make a note of the IP address
or
[System Settings] > [Advanced]>[Samba]
      make a note of the "http://en.pardus-wiki.orgNetBIOS name:"http://en.pardus-wiki.org
```

Pardus 2008

```
[Tasma] > [System] > [Service Manager]
      Select [SMB Network Sharing].
      Put a mark at {Run on startup} and activate the green (Start)button.
      In the column {Run on Startup} {Yes} should be shown.
      [Back].
[Internet & Network] > [Firewall Config]
```

```
      [Start Firewall] (if not already running)
      Put a mark at {Windows file sharing service}
      [Apply] > [Back]
[Samba] > [Base Settings]
      Make a note of the {NetBIOS name:} (this is referred to as NetBIOSnameParDusPC)
      [Back]
```

As a default the /home/samba directory is configured as a shared directory. This directory will be readable from WinPC. Making this directory writable from WinPC will come later in this manual. As this directory is empty after a new installation, it is advisable to put a (image)file in this directory.

Settings for Windows

```
[start] > [Control Panel] > [Network and Internet Connections] > [Network Connections] > [Network
      Check mark at {Yes, use the existing shared connection for this computer's Internet access(r
      Make a note of the {Computer name:} (this is referred to as ComputernameWinPC)
      Put a mark at {Turn on file and printer sharing}
      {To apply these settings, click Next}
      Put a mark at {Just finish the wizard; I don't need to run the wizard on other computers}
```

If you have Sygate firewall:

```
Open Sygate firewall > [Tools] > [Options...] > [OK] > [Network Neighborhood]
      Select Network Interface (with multiple interface cards)
      Put a mark at {Allow others to share my files and printer(s)}
      [OK]
```

After this a restart of the computer is required.

Access from ParDusPC to shared folder in WinPC

[Home] and enter at {Location:}

```
smb://ComputernameWinPC (+ enter).
```

or

```
smb://IP.address.of.the.remote.site (+ enter).
```

(for ComputernameWinPC see [start]>[Control Panel]>[System]>[Computer Name]>{Full computer name}

It is possible to make a Link to Location (URL)... with {smb://.....} on your Desktop.

Access from WinPC to shared folder in ParDusPC

[start]>[My Computer] and enter at {Address:}

```
\\NetBIOSnameParDusPC (+ enter).
```

or

```
\\IP.address.of.the.remote.site (+ enter).
```

(for NetBIOSnameParDusPC see [Pardus]>[Tasma]>[Samba]>[Base Settings]>{NetBIOS name:})

Making /home/samba (share) writable

Pardus 2009

```
[System Settings] > [Advanced] > [Samba] > {enter administrator password +[OK]} >
        [Shares] > select {share} > [Edit Share...] > [Base Settings]
   Remove the mark at {Read only}
   [OK] > [Apply] > [OK]
```

And to activate this change:

```
[System Settings] > [Service Manager] > {SMB Network Sharing} and activate [Reload service] > [Ove
```

Pardus 2008

```
[Pardus] > [Tasma] > [Internet & Network]>[Samba] > [Administrator Mode] > {enter administrator pa
   and {Loading..} appears
   [Shares] > select {share} > [Edit Share...]
   Remove the mark at {Read only}
   [OK] > [Apply] > [OK]
```

And to activate this change:

```
[System] > [Service Manager] > Select [SMB Network Sharing] and activate [Stop] and then [Start] >
```

Configuration of printer (connected to WinPC) in Pardus

This is valid when the printer is connected to WinPC.

WinPC

From the shared printer (which is connected to WindowsXP) we need to know the IP address and the share name of the printer.

```
[start] > [Printers and Fax] > right-click printer > [Properties} > [Share] >
     note the Share name: (Share name printer) and check the mark at Share this printer:
[start] > [Control Panel] > {Network and Internet Connections} > {Network Connections} >
     double-click connection > Support > note the IP address: (IP.address.of.WINPC)
```

Pardus 2009

```
[System Settings] > [Printer Configuration] > [New Printer] > [New Network Printer] > {Windows Pri
  and fill-in at smb:// {IP.address.of.WINPC/Share name printer}
         (for instance > 192.168.0.100/canonmp7 and is not case sensitive)
  mark at {Prompt user if authentication is required} [> Forward]
Select manufacturer [> Forward] select {Models} and {Driver}
[> Forward]
Enter {Printer Name} {Description} {Location} [OK]
[Print Test Page] and if successful [Apply]
```

Pardus 2008

```
[Pardus] > [Tasma] > {Peripherals] > [Printers] > {Add}>{Add Printer/Class...}
[Next >]
```

```
[SMB shared printer (Windows)]
[Next >]
{Guest account (login="http://en.pardus-wiki.orgguest"http://en.pardus-wiki.org)}
[Next >]
[Scan] fold out scanresult and select de printer
[Next >]
Select the {Manufacturer} and {Model}
[Next >]
Select the recommended driver (if not working select the simplified version)
[Next >]
Test the printer
[Next >] (3x)
Supply a name for the printer
[Next >] (2x) [Back] and close Tasma
```

A network with more than one PardusPC

For this to function properly it is required that all {Workgroup:} and {NetBIOS name:} are different.

See [Pardus]>[Tasma]>[Internet & Network]>[Samba]>[Base Settings]

Access from PardusPC to shared folder(/home/samba) on the other PardusPC

[Home] and enter at {Location:}

```
smb://NetBIOSnameParduspC(of the other PardusPC) (+ enter).
```

or

```
smb://IP.address.of.the.remote.site (+ enter).
```

It is possible to make a Link to Location (URL)... with {smb://.....} on your Desktop.

Making your Home (or any other) directory readable on the network

Pardus 2009

```
[System Settings] > [Advanced] > [Samba] > {enter administrator password +[OK]} > [Shares] > [Add
 in {Add/Edit Share} > [Base Settings] > [Open file dialog] and select your /home/your_login_name
Enter a name at {Name:}
Check/put mark at {Read only}{Public}{Browseable}{Available}
[OK] > [Apply] > [OK]
```

And to make the above directory visible/read-only:

```
Open Home (Personal files), go[UP] to /home level, rightclick on your_login_name and select {Prope
    [Permissions] > [Advanced Permissions]
 Check/put mark at {Show Entries} for {User}{Group}{Others}>[OK]
 Put a mark at {Only owner can rename and delete folder content}
           and {Apply changes to all subfolders and their content}
 [OK]
```

Pardus 2008

```
[Pardus] > [Tasma] > [Internet & Network] > [Samba] > [Administrator Mode] > [Shares] > [Add New S
 in {Add/Edit Share} [Open file dialog] and select your /home/your_login_name directory > [OK]
Enter a name at {Name:}
Check/put mark at {Read only}{Public}{Browseable}{Available}
[OK]
[Apply] > [OK]
```

And to activate this change:

```
[System] > [Service Manager]
 Select [SMB Network Sharing] and activate [Stop] and then [Start]
[Back]
```

And to make the above directory visible/read-only:

```
Open Home (Personal files), go[UP] to /home level, rightclick on your_login_name and select {Prope
      [Permissions] > [Advanced Permissions]
 Check/put mark at {Show Entries} for {User}{Group}{Others} > [OK]
 Put a mark at {Only owner can rename and delete folder content}
           and {Apply changes to all subfolders and their content}
 [OK]
```