



# edgeBOX

edgeBOX V4.5

How to use edgeBOX as a PDC and  
to Share Files

Rev - 1.1

# Storage and Print - Windows Domain

Router

Security

Storage & Print

VoIP & IP-PBX

QoS

WiFi

Collaboration

NAC

Reporting

System

Status

Help

## Storage and Print

Windows Domain | File Sharing | Printers | Quotas | Backup & Restore

Service State: **RUNNING**

Global

Workgroup: EBOX SID: S-1-5-21-931495494-2817053982-795267832

Server Name: edgebox server

Wins Support  PDC Support

Wins Options

Server: Local  Act as proxy

Address:

Storage & Print

**E**dgeBOX may be configured to interact with other hosts as if it was a Windows server. edgeBOX can offer file and printer sharing services and may also act as a PDC and WINS server.

# Storage and Print - Windows Domain

Router  
Security  
Storage & Print  
VoIP & IP-PBX  
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## Storage and Print

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Storage & Print

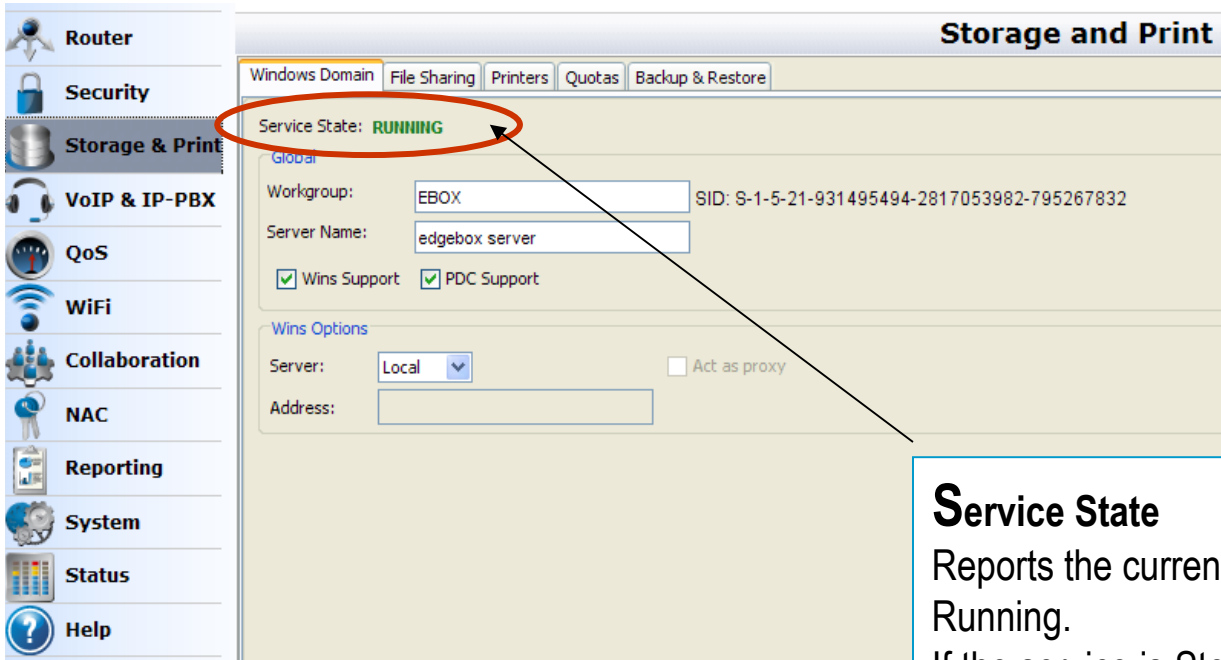
**W**hen edgeBOX acts as a PDC, users' desktop preferences are stored in edgeBOX (roaming profiles), and their home directory is automatically mounted (as the 'Z:' drive, or another drive if 'Z:' is already in use)

# Storage and Print - Windows Domain

The screenshot displays the edgeboxx NAC configuration interface. On the left is a navigation menu with categories: Router, Security, Storage & Print, VoIP & IP-PBX, QoS, WIFI, Collaboration, NAC (highlighted), Reporting, System, Status, and Help. A '(Logout)' link is at the bottom of the menu. The main area is titled 'NAC' and contains tabs for Users, Groups, Authentication Policies, Access Policies, and Authentication Page. Below these is a 'Management Scheme: LOCAL' section with sub-tabs: List, Access Profile, Import, Local Admin, and Local Admin Accesses. The 'List' tab shows a table with columns 'Username' and 'Access Profile', containing one entry: 'user1' with 'generic'. A 'New User' dialog box is open, with fields for Username (user), First Name (first), Last Name (last), Access Profile (generic), Password (masked with dots), and Confirm Password (masked with dots). Below these are 'Accesses' checkboxes: Regular Services (checked), Wireless Security (unchecked), VoIP (unchecked), PPTP (unchecked), and Windows use (checked and circled in red). A separate callout box at the bottom right shows the 'Accesses' section with 'Windows use' circled in red.

Note that users must be have "Windows use" checked in the system ("NAC" → "Users" → "List" panel).

# Storage and Print - Windows Domain

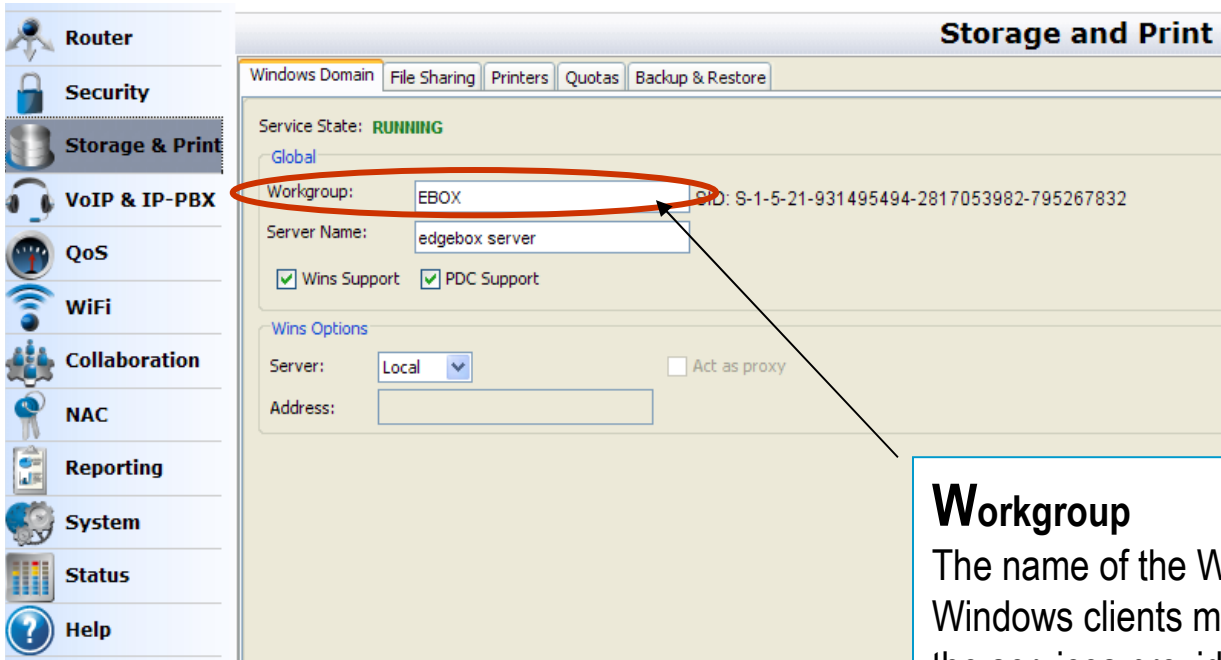


## Service State

Reports the current state of the service: Stopped or Running.

If the service is Stopped it can be started by clicking on the Start button at the bottom right hand corner of the panel (and vice versa).

# Storage and Print - Windows Domain



## Workgroup

The name of the Windows workgroup that Windows clients must be a member of, to access the services provided.

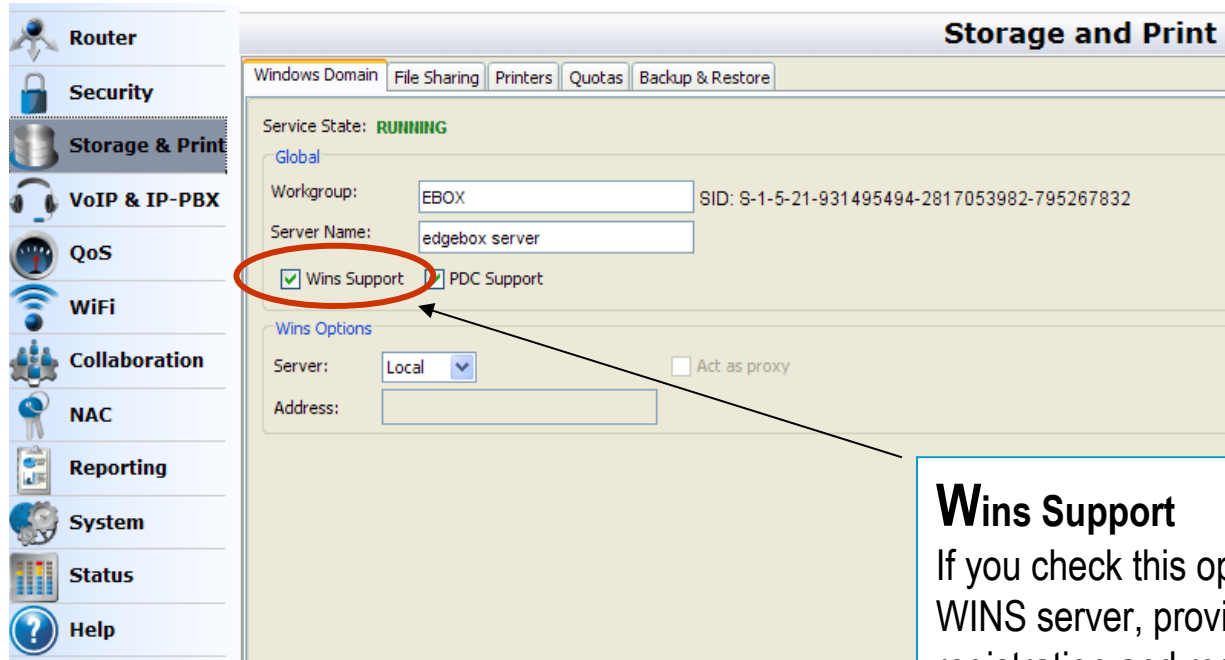
This will be the domain used to configure edgebox as a PDC and where the 'roaming profiles' will be stored.

The workgroup name is required to be less than 16 characters long.

# Storage and Print - Windows Domain

The screenshot shows the 'Storage and Print' configuration page for a Windows Domain. The 'Service State' is 'RUNNING'. The 'Workgroup' is 'EBOX' and the 'Server Name' is 'edgebox server', which is circled in red. Below this, there are checkboxes for 'Wins Support' and 'PDC Support', both of which are checked. Under 'Wins Options', the 'Server' is set to 'Local' and the 'Address' field is empty. A text box on the right contains the text: 'Server Name A brief description of the edgeBOX server to make it easier to identify when browsing the network.'

# Storage and Print - Windows Domain



## Wins Support

If you check this option, edgeBOX will act as a WINS server, providing WINS name service registration and resolution.

The Wins Options panel will allow you to configure its role.

# Storage and Print - Windows Domain

The screenshot shows the 'Storage and Print' configuration page in the edgeBOX interface. The 'Service State' is 'RUNNING'. Under the 'Global' section, the 'Workgroup' is 'EBOX' and the 'Server Name' is 'edgebox server'. The 'PDC Support' checkbox is checked and circled in red. An arrow points from this checkbox to a text box on the right. The 'Workgroup' field also displays a long SID: 'SID: S-1-5-21-931495494-2817053982-795267832', which is also circled in red. The 'Wins Options' section shows the 'Server' set to 'Local' and the 'Address' field is empty.

## PDC Support

If you check this option, edgeBOX will act as a Windows Primary Domain Controller. After applying, the SID for this domain will be visible next to the Workgroup.

# Storage and Print - Windows Domain

The screenshot shows the 'Storage and Print' configuration page for a Windows Domain. The 'Service State' is 'RUNNING'. Under 'Global', the 'Workgroup' is 'EBOX' and the 'Server Name' is 'edgebox server'. 'Wins Support' and 'PDC Support' are checked. Under 'Wins Options', the 'Server' dropdown menu is set to 'Local' and is circled in red. An arrow points from a text box to this dropdown menu.

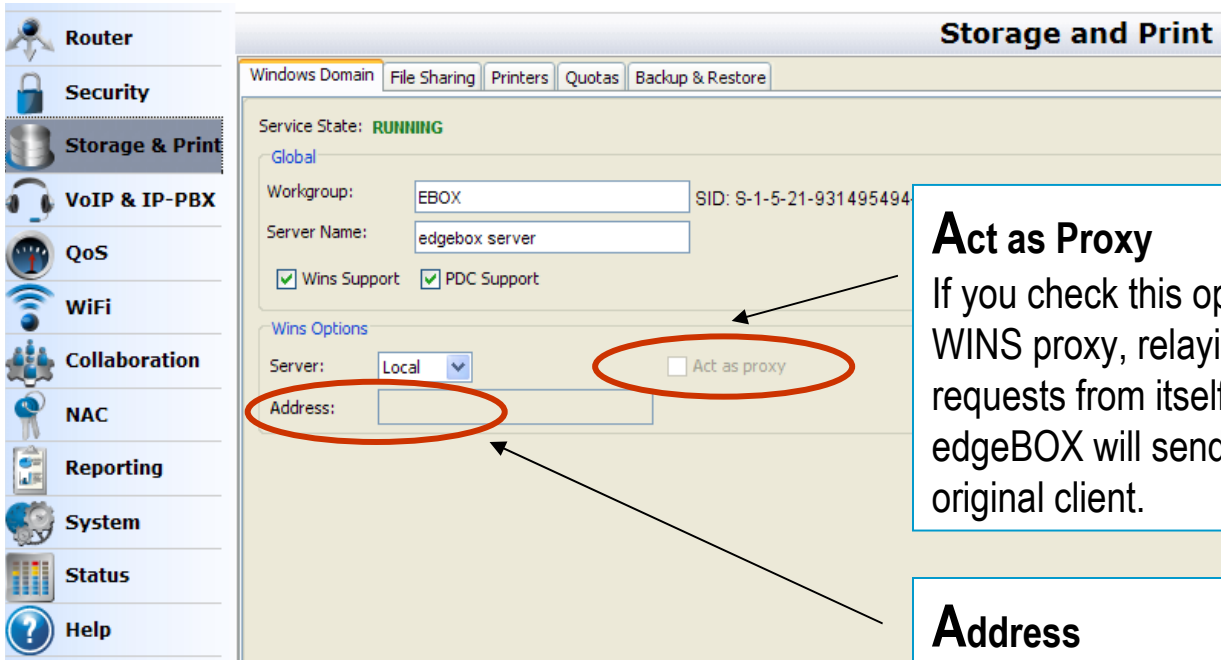
## Server

Available options are Local or Remote.

If set to Local, edgeBOX will **act** as a WINS server.

If set to Remote, edgeBOX will **use** a remote WINS server.

# Storage and Print - Windows Domain



Storage & Print

## Act as Proxy

If you check this option, edgeBOX will act as a WINS proxy, relaying registration and resolution requests from itself to another WINS server. edgeBOX will send the response back to the original client.

## Address

Allows you to specify the IP address for the remote WINS server to be used.

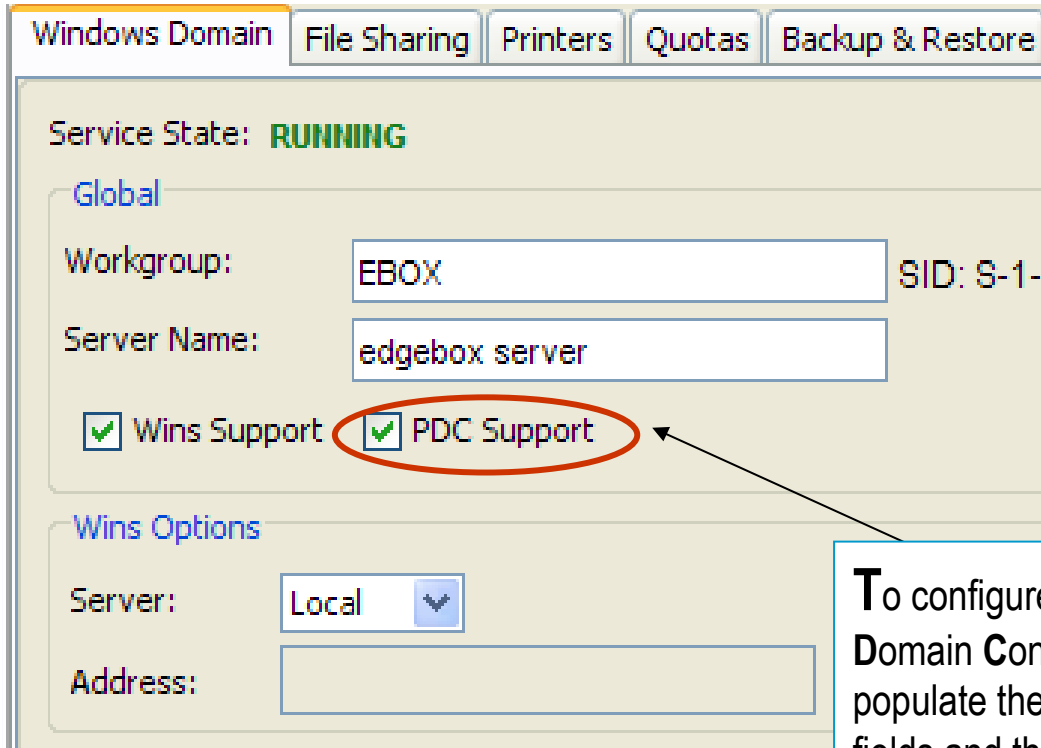


# edgebox

edgeBOX V4.5

Example on how to  
setup edgeBOX to work as a PDC

# edgeBOX as a PDC



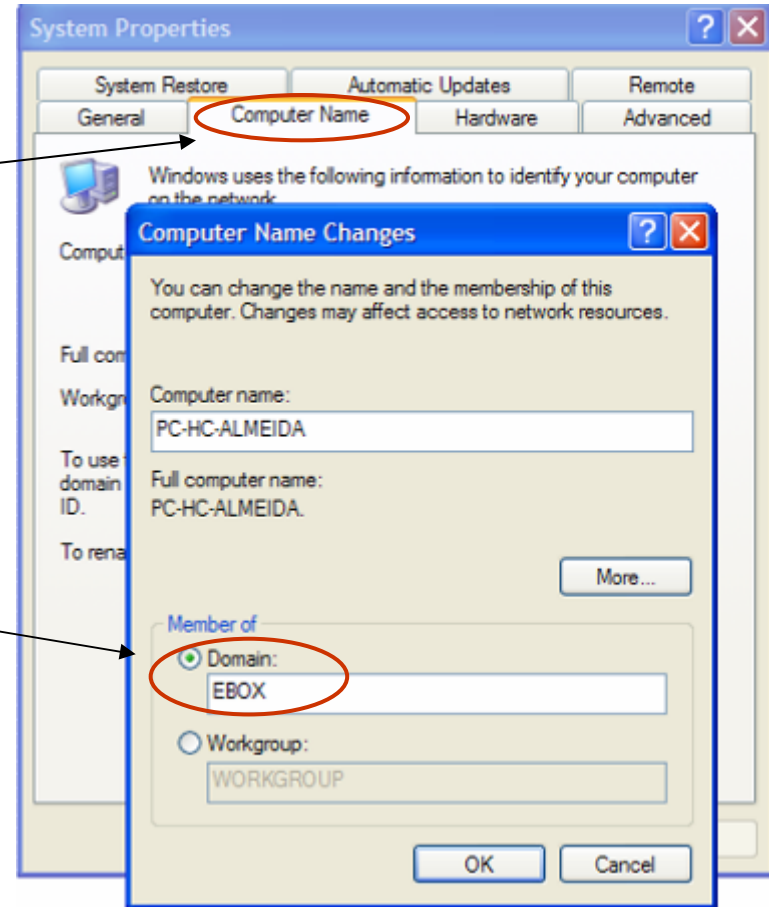
edgeBOX configured as PDC for 'EBOX' domain

To configure edgeBOX to work as a **Primary Domain Controller** all that is required is to populate the "Workgroup" and "Server Name" fields and then check the "PDC Support" option on the Windows Domain panel.

# edgeBOX as a PDC – Adding a PC client

To add a PC client to edgeBOX's domain, select "System" under the Windows Control Panel, and then select the "Computer Name" tab.

Select the "Change" button. In the dialog window that pops-up and then select the "Domain" option. Enter your domain name (in our example it was "EBOX").



Note: It is assumed that the OS used is Windows XP professional SP2

# edgeBOX as a PDC – Adding a PC client

After you select "OK" to confirm the domain change, you will be required to supply credentials of a user belonging to the domain administrator's group.



In edgeBOX, you have to specifically supply the username "**Administrator**", which has the same password as the edgeBOX admin user (default is "root").

The following pop up should appear after adding your pc to edgebox's domain. →

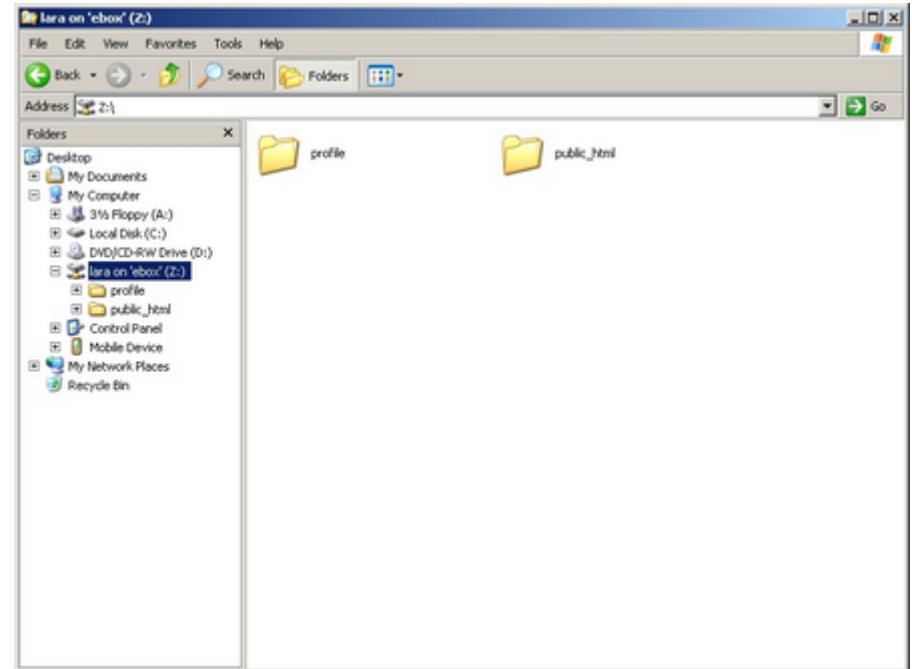


## edgeBOX as a PDC - User's Directories

After rebooting the client PC, log on to edgeBOX's domain (it should be available on the domains' list). The user's home directory will be mounted as 'Z:' (if the letter is available otherwise will be mounted as a different 'letter').

In the picture, the user's directory content is shown, where the 'public\_html' directory can be accessed. This is the directory where the user's personal web page will be located.

The other directory shown ('profile') is where the roaming profile data will be stored, so the user will retain his desktop definitions after logging off.



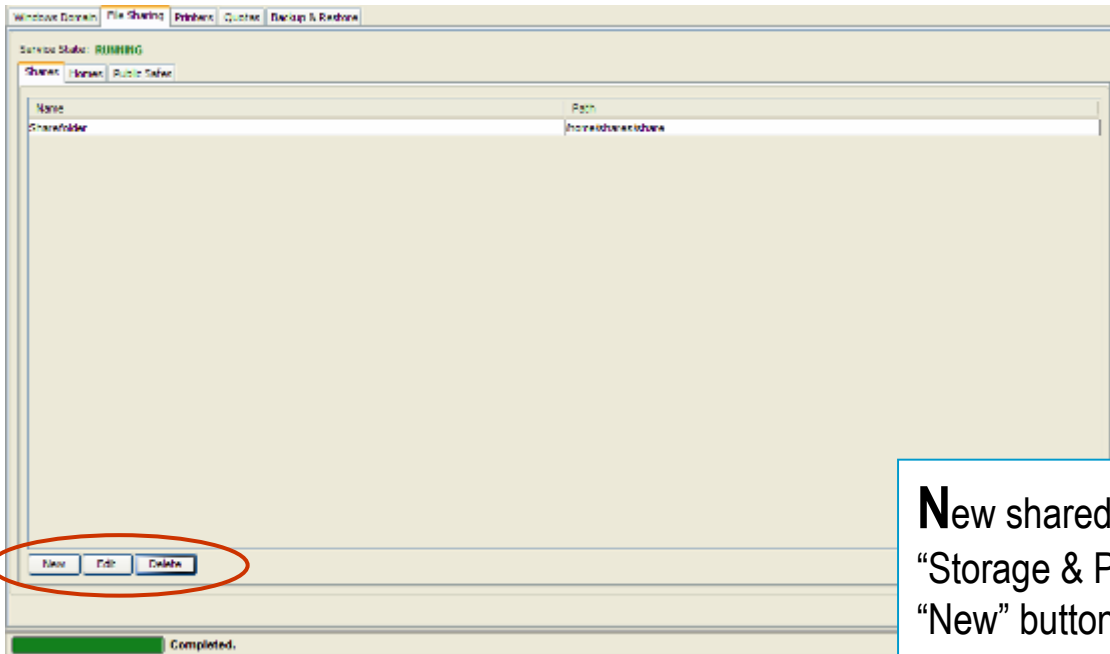


# edgebox

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Example of how to  
Share a Folder/Directory

# File Sharing



**N**ew shared folders can be created by accessing the “Storage & Print → File Sharing” and clicking on the “New” button. Access permissions can be changed by selecting a shared folder and clicking on the “Edit” button.

Shared folders can be deleted by selecting an item from the list and clicking the “Delete” button.

# File Sharing – Creating a Share Folder

Click the “New” button to create a share folder

## Name

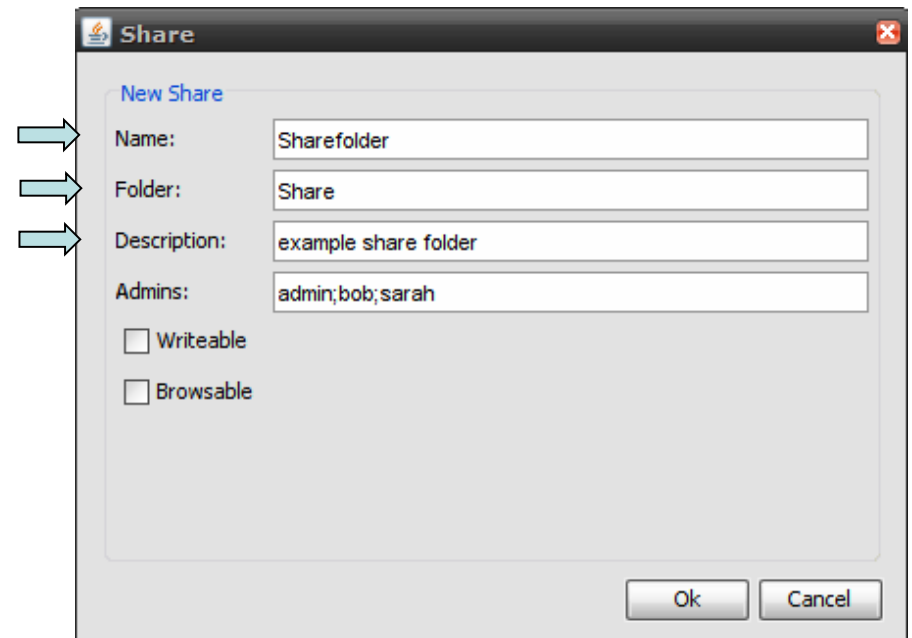
Enter the name of the shared directory. This name is used to allow users map the folder into their filesystem. (Avoid using spaces or other special characters).

## Path

The name of the folder on the edgeBOX filesystem. A single folder name is specified. Folders cannot be nested.

## Description

A brief description of the folder and its contents.



# File Sharing – Creating a Share Folder

## Admins

A list of edgebox users (separated by semi-colons) that have write access to the folder, if writable is unchecked.

## Writeable

Check this box if the shared folder is to allow ALL users read and write access.

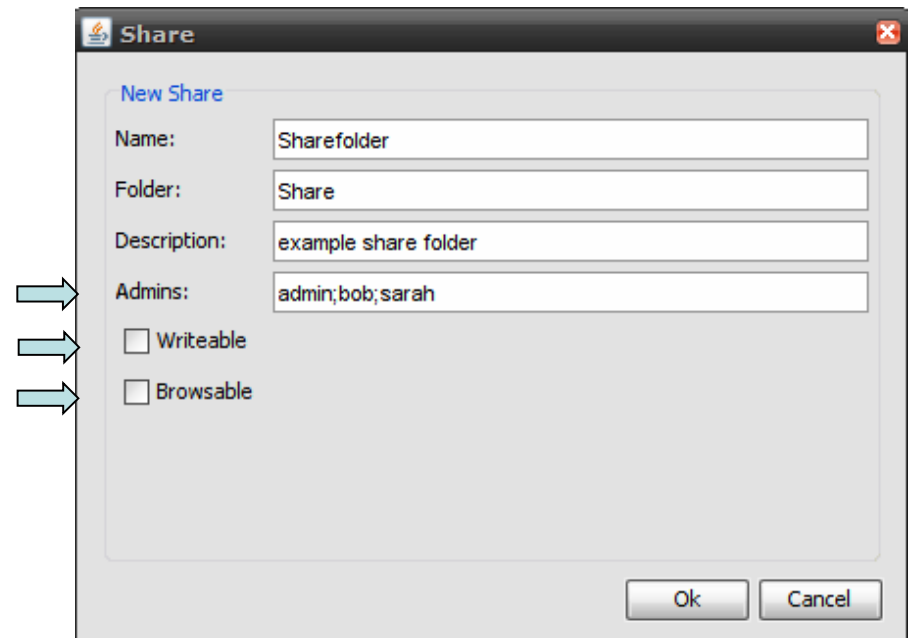
When this box is unchecked only edgeBOX users in the 'Admins' list are allowed to write in the share.

## Browseable

Check this box if the shared folder can be browsed.

**Note:** When adding new users to the 'Admins' list the service must be restarted in order changes take effect.

For that purpose click 'stop/start' in the 'Windows Domain' panel.



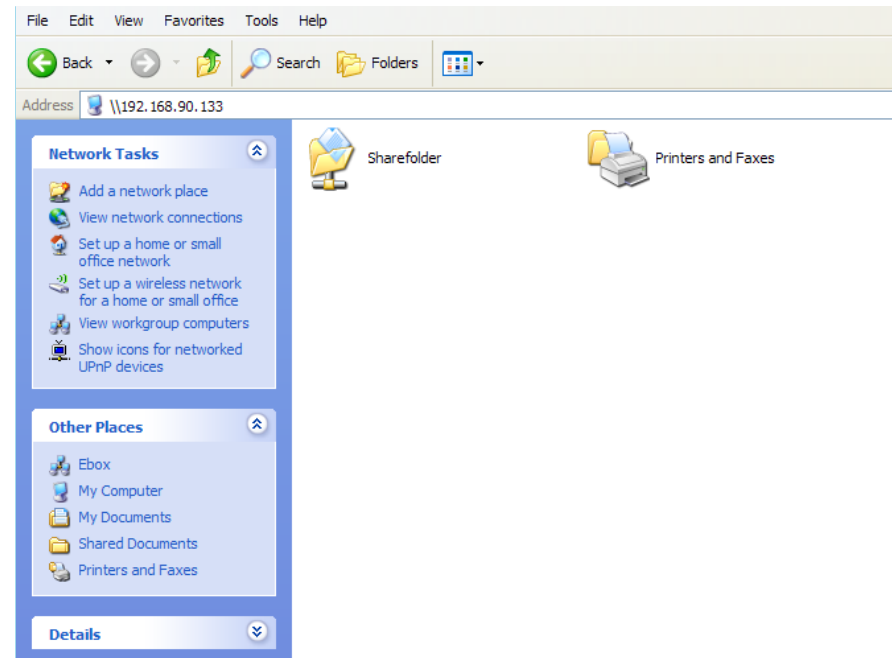
# File Sharing

To access the share using Windows Explorer, enter the edgeBOX's IP address (LAN or WAN) as shown in the example picture.

You should see and be able to access the share folder you created.

By default, edgeBOX sets no restrictions on the share itself.

Restrictions on the share can be set by checking or unchecking the 'Writeable' an 'Browsable' options.

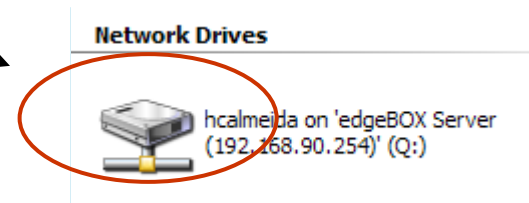
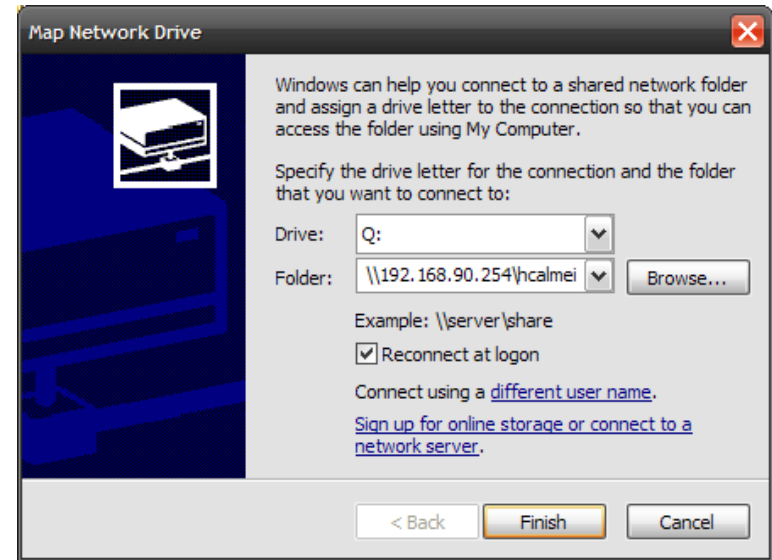


# File Sharing

As an alternative, you can mount the folder and access it as a shared drive.

To map the drive, go to “Windows Explorer ” select “Tool – Map Network Drive”. Fill in the “Folder” section with edgeBOX’s IP (usually LAN) address and the name of the share folder and click “Finish”.

The mounted network drive should now be visible and you should be able to access it just by ‘double-clicking’ on the icon.



# Homes

**A**uthorised users can share their home directory on the edgeBOX. The home directory works as a network folder only accessible to the user (ie.: To access this share, you must use that users username and password!).

## Active

Activates the home directories for authorised edgeBOX users. The amount of space available to each user may be controlled by setting disk space quotas.

**Note:** When edgeBOX acts as a PDC (the “PDC Support” option is enabled) this checkbox appears greyed and active since edgeBOX will require to set the users’ home shares to store the ‘roaming profiles’.



Storage and Print – File Sharing – Homes

# Public Folders

**F**olders are available only for LAN users and may be used when there's a need for a temporary space for storage. Any user on your LAN can create a “box” to store files and access it as a normal Windows share. To be able to use the folders, the following conditions must be met:

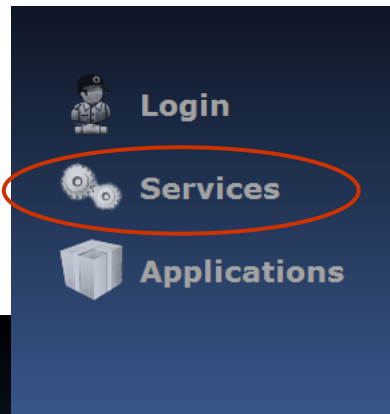
- The service must be started;
- Public Folders must be active;
- The user must be authorised to use the service('NAC→Users→List→Windows user' checkbox checked – for the individual user).



Storage and Print – File Sharing – Public Safes

The options available for configuration are the maximum size of folders, their maximum availability and the maximum number of folders active at the same time.

# Public Folders



Any LAN user can create a folder by accessing the utilities page (<http://<lan address>:8010>) and selecting the "Services" option. The presented page will be displayed.

Main Menu  
Public Folders

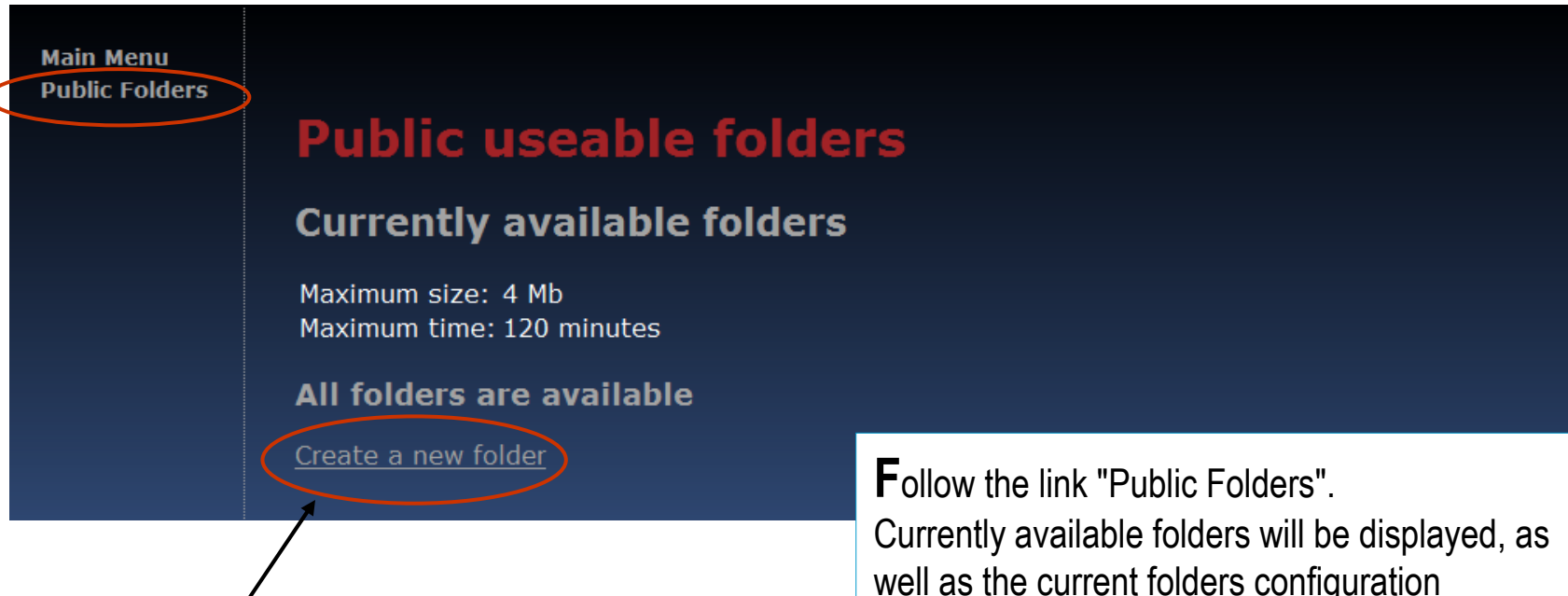
## Welcome to edgeBOX utilities

### What you can do here?

Use the left menu to choose one of the several options. You can:

- ◆ Configure a temporary password-protected safe so you can transfer files between different computers.

# Public Folders



Follow the link "Public Folders". Currently available folders will be displayed, as well as the current folders configuration parameters. To create a new folder, select "**Create a new folder**".

# Public Folders

Main Menu  
Public Folders

## Create a new folder

Please choose the size you wish for the folder

Size:

Max Time (minutes)  [Create folder](#)

[Go back](#)

Select the desired settings for your folder. Sizes available will always be less than or equal to the maximum size configured on edgeBOX(see Pag.23), as well as the maximum time the folder will be available. To create the folder, select "**Create folder**".

# Public Folders



If the folder was successfully created the credentials to access it will be displayed. These will be used for the PC's to access the folder.

# Public Folders

Main Menu  
Public Folders

## Public useable folders

### Currently available folders

Maximum size: 4 Mb  
Maximum time: 120 minutes

### Current in-use folder

Box name	Expires in	
box0	7077 seconds	<a href="#">Close this folder</a>

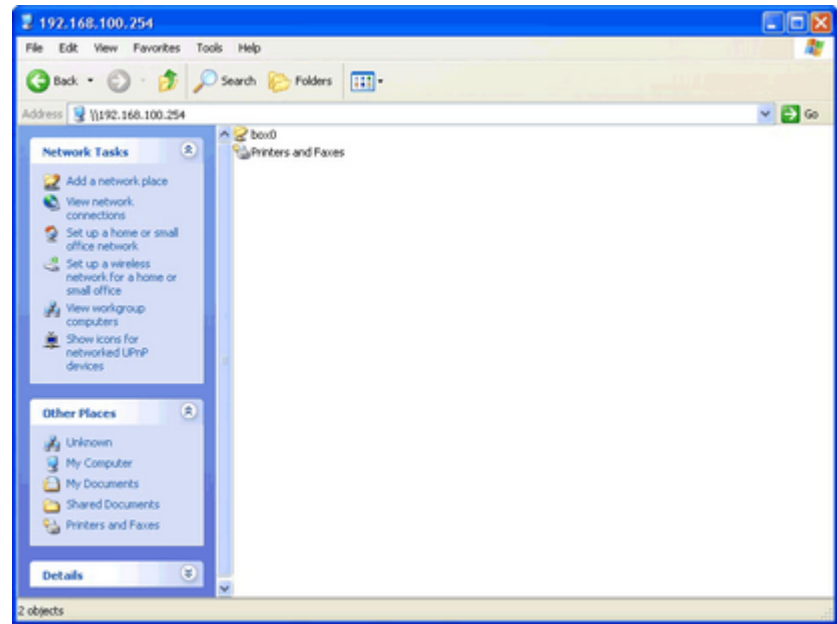
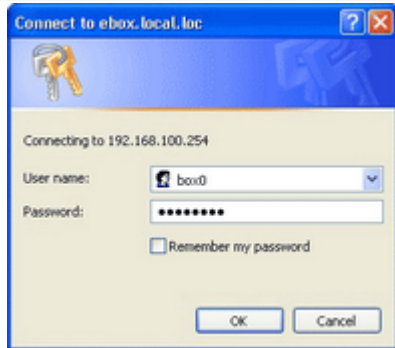
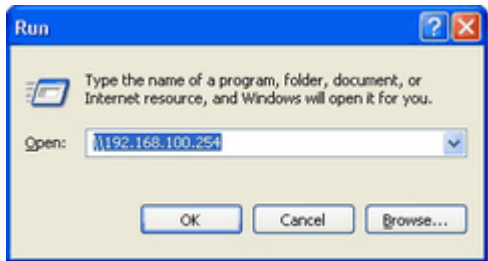
[Create a new folder](#)

**S**electing "Public Folders" again will now display the folder just created.

Note: When the folder expires, the folder and all of its content will be deleted.

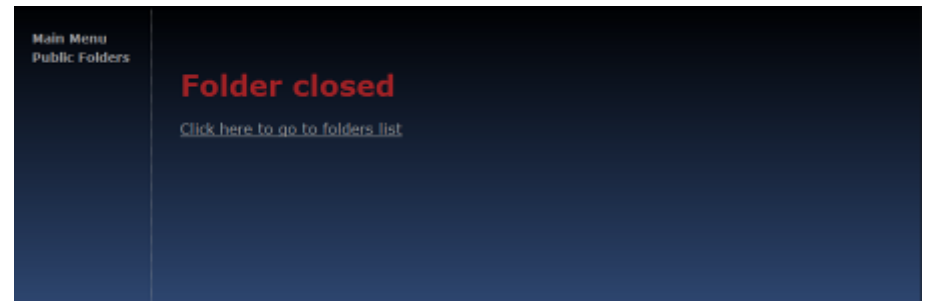
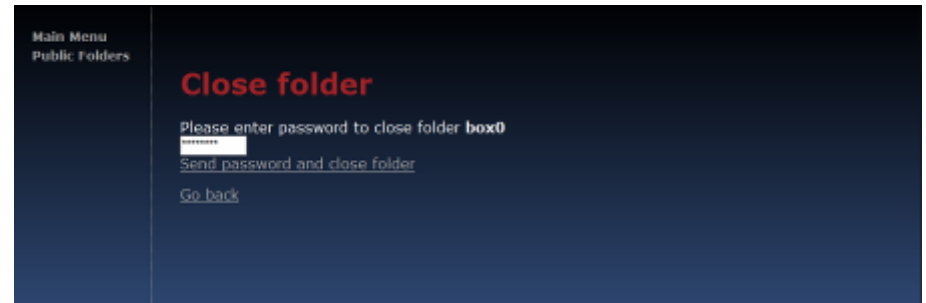
# Public Folders

To use the folder, access it like a normal windows share, entering the credentials supplied to authenticate.



# Public Folders

If you want to close the folder before its time expires, go to the utilities menu and follow the "Close this folder" link next to the folder you want to close. You will need to supply the password for the safe. If the operation completes successfully, the message "Folder closed" will be displayed. The folder and all of its content will be deleted.





[www.edgebox.net](http://www.edgebox.net)

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ROUTER



QUALITY OF SERVICE



WIFI



STORAGE & PRINT



VOIP



NETWORK ACCESS



SECURITY



COLLABORATION