

# Network neighborhood

## Main page of the module

For data exchange in a LAN SMB protocol is used (short from Server Message Block). It's a network application layer protocol for remote access to files, printers and other network resources, and also for interprocess communication. In ICS this protocol is implemented with Samba.

At the entrance of the module you can see its status, "Disable" button (or "Enable", if it's disabled already) and last of the log messages.

## Identification

"Identification" tab defines the role of ICS in the company's LAN. After entering a network NetBIOS-name for the server, you can choose one of the following roles:

role	meaning
Workgroup	Company does not use domain controller (AD) in its network, computers are in a workgroup, there's no WINS-server. By default ICS belongs to workgroup named "WORKGROUP", but you can rename it if necessary
Domain	Company uses domain controller (AD) in its network. ICS can be connected to the domain. It will allow you to import domain users, synchronize them and also to use domain authorization for ICS network resources.

Checkbox «**Sign SMB requests**» is responsible for enable additional security parameters for network resources, but they may be not maintained by old operation systems.



After clicking the button "Join" ICS will apply the role you chose in the network neighborhood. If you chose the role "Domain", the server will ask you for a login and password for the domain connection.



**Attention: for ICS to import users from a domain and synchronize them using LDAP, the domain user that is using from the side of ICS, must have administrator rights. Attention: for ICS to connect to a domain and exchange data with it, it is necessary that domain controller server is on the user list of ICS and that this user uses authorization based on ip-address.**

It is quite common that access to the zone where domain lies can't be permitted for exterior servers. For solving this issue, you can create a zone with redirection in the DNS module.

If connection between ICS and the domain was successful, the green dot will appear near the field with the domain name.

## Shared resources

You can add new resource to the network neighborhood in the tab “Shared resources”, using the “Add” - “Shared resource” buttons.



After entering a name and description for the resource, you should choose a directory from fileserver structure. Press the button [...] in the field “source” and choose the folder where the shared resource will be. You can create a new folder into the directory if necessary.



In the “access rights” window choose users and groups and set access rights for them. If you will mark **Allow guest access**, you will grant access to view and change files to anyone who can connect to the server.

**Important: network neighborhood can work only with logins without capital letters (if ICS wasn't connected to a domain).**

## Log

In the Log tab you can find all system messages from SMB-server. Log is divided to pages, you can navigate between them using arrow icons, or you can enter page number to go to it directly.

Log messages are colored depending on message type. Ordinary messages are white, system status messages (turning on/off, user connection) are green, errors are red.

In the top right corner there is search line. You can use it to look for the messages you need.

Log tab always shows messages of the current date. If you want to see other day log, you can pick the date you need, using the calendar in the top left corner.

If necessary, data can be saved from log to file, using the “Export” button.

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