

EasyGate 4.1 User Guide

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Chapter 1: Introduction

- 1.1 EasyGate versions
- 1.2 Starting up EasyGate
- 1.3 Conditions before Using
- 1.4 Starting the Management Software
- 1.5 Logging on to EasyGate

1.1 EasyGate versions

EasyGate is available in several versions. The Professional version also includes extra VPN functions. So when the manual covers VPN settings, these are only applicable for the EasyGate Professional model.

1.2 Starting up EasyGate

Your supplier should have already carried out the necessary network-setup that EasyGate needs to function on your internal network. If this is not the case, first start with the EasyGate configuration. By means of the EasyGate Administration Guide, also shipped with your system. You can power on the EasyGate by pressing the round button on the front for a few seconds. On some 19" models you also have to press the "on" switch on the back.

1.3 Conditions before Using

To configure EasyGate through a client (a network connection must first be established), the client PC needs to have Netscape 3.0 and above or Internet Explorer 3.0.2 and above installed. Internet Explorer 3.0 will not function correctly! (Up to date browser versions are recommended!) To ensure problem-free communication with the network, the TCP/ IP- protocol has to be installed and correctly configured on every connectable workstation. When this protocol is not present in your network operating system, please check your network-manual or contact your systems supplier. See Appendix A for how to install the TCP/IP-protocol on Microsoft Windows-workstations.

1.4 Starting the Management Software

If you have successfully carried out the steps above, you can now start up your web-browser and enter the following Internet-address:

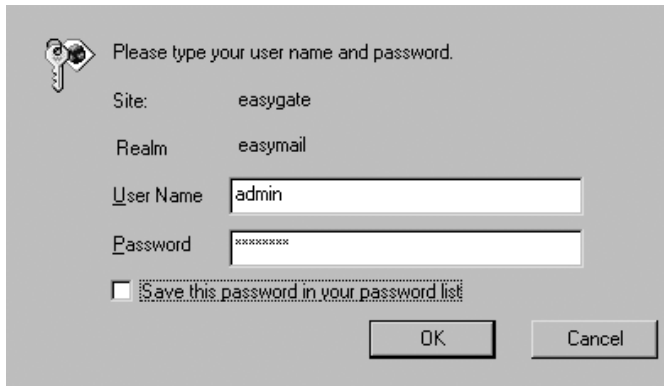
`http://easygate/`

A connection will then be established with the EasyGate-system and the start-screen of the management program will appear. Click on "logon".

1.5 Logging on to EasyGate

In the dialogue-window that appears, you have to enter your username and your password. The password for the system administrator is "admin" and the matching password is set to "easygate", on delivery. We recommend that you change the password after the first logon. How to do this will be explained further on in the manual.

Note: *If having trouble authenticating with the password 'easygate', try using 'easymail' instead.*



The image shows a login dialog box with a key icon and the text "Please type your user name and password." The dialog contains the following fields and options:

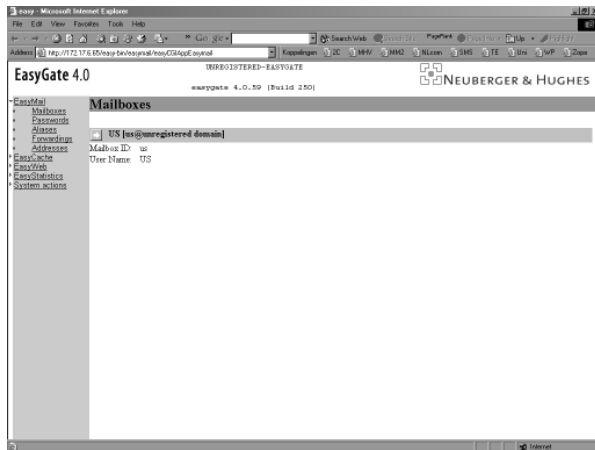
- Site: easygate
- Realm: easymail
- User Name: admin
- Password: *****
- Save this password in your password list
- OK button
- Cancel button

Chapter 2: Operating Instructions

- 2.1 Layout of the Window
- 2.2 Navigating through the Menus
- 2.3 Adding New Items
- 2.4 Editing Items
- 2.5 Deleting Items

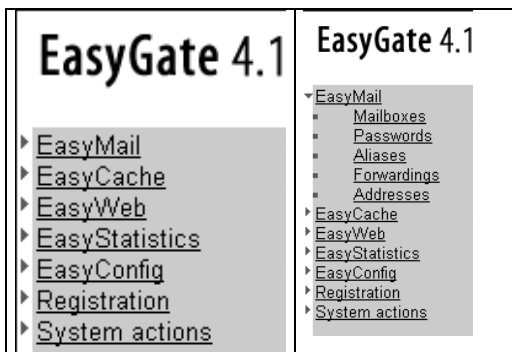
2.1 Layout of the Window

The window that appears, after you have logged on to EasyGate consists of three frames. On the left you see the menu-frame, where you can select menus and sub-menus by clicking on them with the mouse-button. In the upper right hand corner you see a title bar, in which appears the name of the selected sub-menu. Underneath the title-bar is the main window, in which relevant information from the chosen sub-menu is displayed.



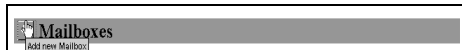
2.2 Navigating through the Menus

When you choose a menu that contains sub-menus, the sub-menus will "unfold". You can also see the sub-menus by clicking the down-pointing triangle next to a given menu.



2.3 Adding New Items

With a lot of the application modules it is possible to add new items (mailboxes, alias-addresses, external addresses, etc.). Whether this is possible for a given sub-menu is shown on the title bar. When there is a down-pointing arrow on the left side of the title-bar, then you are able to add a new item by clicking on that arrow, for example a mailbox, alias-address or an external address.

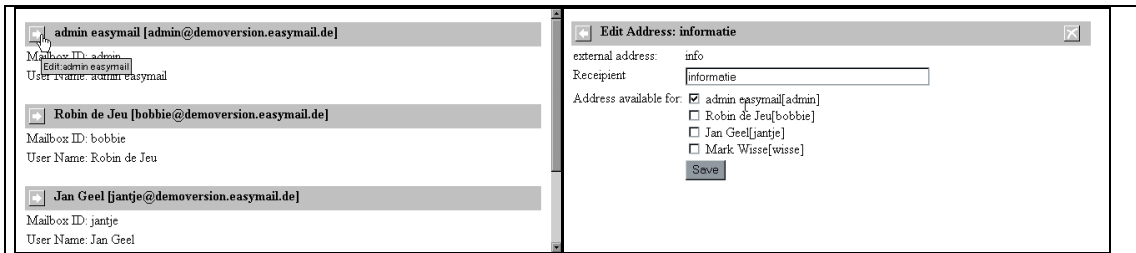


When you have entered all the fields, you click on the "save" button. If you have made an invalid entry or you have forgotten to fill in a field, then you are informed of this by means of an error-announcement and a red, italic text. Depending on the field, some indication of what you did wrong may also be present.



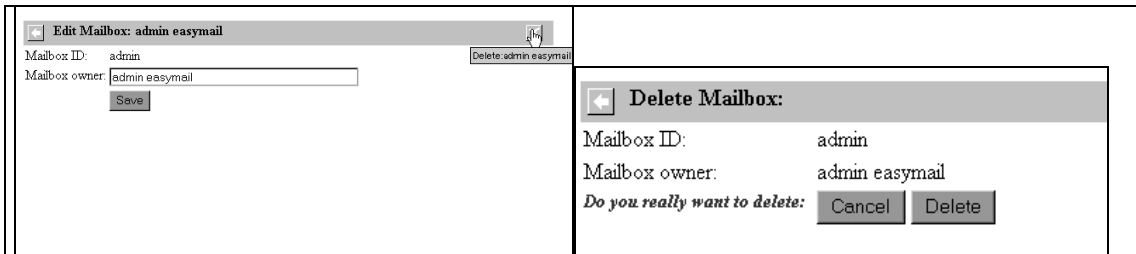
2.4 Editing Items

With many sub-menus, it is possible to edit the properties of an item after entering the data. Thus it is possible to change the name of a mailbox owner, a password, etc. To edit an item, you click on the right-pointing arrow that is next to the item's name in the list view. A window with the item-properties will then be opened and you will be able to change one or more of the item's properties. After you have made the changes, you click on the "save" button. Then your changes are saved and you are automatically returned to the previous listview. If you made a mistake, a similar error notice is given as was described above. To cancel click on left-pointing arrow.



2.5 Deleting Items

In order to remove an item, open the item by clicking the arrow, as described above repeat. Next, you click on the delete-symbol, the white cross on the right side of the title bar. When you click on this, you will be asked for another confirmation, after which the item will be deleted permanently. To cancel “delete cancel” operation click “cancel”.



Chapter 3: Managing the EasyGate Functions

- 3.1 Introduction
- 3.2 Mailboxes
- 3.3 Passwords
- 3.4 Alias-Addresses
- 3.5 Forwarding/ Distributing
- 3.6 External Addresses

3.1 Introduction

In this chapter we will describe how some of the EasyGate-settings are managed. How the users can change their mailbox-properties (like their password) is described in chapter 6, "Individual View". Management of most EasyGate-settings can only be done if you logon as "admin". Only with this user name it is possible to configure all settings for all users. These settings are described in the following paragraphs.

3.2 Mailboxes

3.2.1 Adding New Mailboxes

To add new mailboxes, the administrator must select the menu item "Mailboxes". Then, click on the arrow next to the word "mailboxes", after which an empty form appears. The entry fields have to be filled in, according to the rules on the bottom of this page. On the WorldPilot versions, a complete account will be created here, containing a mailbox, address book, calendar, to-do list and notes. The account on WorldPilot is first active after initial logon to WorldPilot.

Field name	Contents	Remarks
Mailbox ID	This is the name under which the user will receive his mail. Normally this is his name or initials.	Here the name must be entered in front of the @-sign. The name should contain a maximum of 8 characters and must be made up of alphanumeric symbols only.
Mailbox Owner	The full name / description of the mailbox owner	
Password	Mailbox access password	The entered data is displayed with little stars for security reasons.
Repeat password	To prevent mistakes, the password has to be entered twice.	

3.2.2 Editing Mailboxes

In order to edit a mailbox, click on the arrow left of the mailbox to be edited. The properties of the relevant mailbox are then displayed and you will be able to edit some of the properties; see table underneath.

Edit Mailbox: admin easymail

Mailbox ID: admin

Mailbox owner:

Field name	Remarks
Mailbox ID	The actual mailbox-name can not be edited afterwards
Mailbox Owner	The name of the user can be edited at all times

3.3 Password

In order to change a mailbox-password, select the password menu then choose the mailbox of which the password needs to be changed. In the window that appears, the new password has to be typed in twice. Passwords can also contain symbols except quotation marks (").

Passwords

Edit Password: MyHostname

Mailbox ID: admin

Mailbox owner: MyHostname

Password:

Repeat Password:

3.4 Alias-Addresses

3.4.1 Adding New Alias-Addresses

Alias-addresses are addresses, which refer to a given mailbox. The advantage of such an address is that it can be longer than 8 characters and may include non-alphanumeric characters, which are not allowed in mailbox-ID's such as "." And "_". In this way, it is possible to construct address aliases such as:

firstname.lastname@company.com

These alias-addresses can then refer to a mailbox that has initials for a name:

firstname.lastname@company.com → fl@company.com

To add a new alias-address, the administrator must select the function "Alias-addresses". Then, click on the arrow next to the word "Alias-addresses", which will bring up an empty form. The entry fields have to be filled in, according to the following rules.

Field name	Contents	Remarks
Alias	This is the alias for an existing mailbox	Only enter the part of the alias before the @-symbol
Alias-address for mailbox	All existing mailboxes are displayed with a matching radio-button.	Only one mailbox may be selected. This is an obligatory entry.

3.4.2 Editing Alias-Addresses

In order to edit alias-addresses, the administrator must select the function "Alias-addresses" and click on the alias-address that has to be edited. A window appears in which the target-mailbox can be changed. The alias-address itself cannot be changed. It can be removed by clicking on the white cross (delete-symbol) and confirming the delete action.

3.5 Forwarding/ Distributing

There are two different functions described in this section, forwarding and distributing of email:

1. Forwarding: incoming mail addressed to a certain mailbox can automatically be forwarded to another mailbox.
2. Distributing: incoming mail addressed to a certain mailbox can be delivered to several mailboxes.

Mail forwarding can be useful in the event that the user is not able to access his mail account, due to vacation, business or otherwise. The mail can be forwarded to another address the user can access or to a colleague who can deal with this user's email in the interim.

The second function, mail distribution, provides for the construction of distribution (or mailing) lists. An alias can be created and mail sent to that single alias will arrive in multiple mailboxes; this is a practical way of sending messages to every employee in a firm, department or workgroup.

In the window "Edit Forward", check off the mailbox (internal or external) to which the mail should be forwarded. In case of a distribution list, multiple addresses can be checked off. If the mailbox itself is not read/emptied by someone (i.e. if the mailbox alias *marketing* is simply being used to distribute mail to everyone in marketing and not actually being read by anyone), then the check mark next to this mailbox-name should be removed (as with the mailbox "info" in the example). At least one mailbox must be checked off. When mail is not being forwarded or distributed, your own mailbox is checked off, by default.

Forwarding/maillinglists

Edit Forward: Robin de Jeu

Mailbox ID: bobbie

Mailbox owner: Robin de Jeu

Forward/divert to: **internal:**

- admin easymail [admin]
- Robin de Jeu [bobbie]
- Jan Geel [jantje]
- Mark Wisse [wisse]

external:

- informatie [info]
- Jan Geel [jeanjaune@hotmail.com]
- Mark Wisse [markwisse@hotmail.com]
- Robin de Jeu [rdeieu@n-h.net]

3.6 External Addresses

3.6.1 Entering New External Addresses

External addresses are email-addresses outside your EasyGate's email domain. These external addresses can be constructed in the sub-menu 'external addresses', so that in the sub-menu "Forwarding/ distributing", they can be referred to. Only users, to whom this external address is available (see below), can use this address in the section "Forwarding/ distributing". This means that if a user wants to forward and/or distribute their email, they have to ask the administrator to construct these addresses for them. Only the administrator can create or modify external addresses.

In order to add a new external address, the administrator must select the function "External addresses". Then, click on the button next to the word "External addresses", and an empty form appears. The entry-fields have to be filled in, in accordance with the following rules.

Add new Address

external address:

Receipient

Address available for: admin easymail[admin]

Robin de Jeu[bobbie]


Jan Geel[jantje]

Mark Wisse[wisse]

Field name	Contents	Remarks
External address	The complete external email-address has to be filled in	The part before and after the @-symbol has to be filled in: Some.User@SomeHost.com
Recipient	A descriptive name of the external address (spaces are allowed)	
External address available for	All mailboxes are displayed with a check-box	Put a check next to the mailboxes who should have access to the external address

3.6.2 Editing External Addresses

Modifications to the external addresses are limited to the changing of the description field and the availability of the address to the mailboxes on the system. Only the administrator can only do this. This is done by selecting "External addresses" and by clicking on the address that has to be changed. You can remove the external address by clicking on the white cross (delete-button).

 **Edit Address: Robin de Jeu**

external address: rdejeu@n-h.net

Recipient:

Address available for:

- admin easymail[admin]
- Robin de Jeu[bobbie]
- Jan Geel[jantje]
- Mark Wisse[wisse]

Chapter 4: Managing the EasyCache Functions

- 4.1 Introduction
- 4.2 Controlled Internet-access
- 4.3 Internet-access: Logging on and Logging off
- 4.4 Internet-access Accounts
- 4.5 Passwords
- 4.6 Internet-access Log-data

4.1 Introduction

This chapter describes how the EasyCache-functions are managed. This is only applicable when the EasyCache function "Proxy-authentication" is activated using the `easyconfig` program (see the **easyconfig** manual). When the Internet-access logon procedure activated, the submenus in the EasyCache section can be looked at and edited at all times. These changes only have an effect if the logon procedure / proxy authentication has been activated in `easyconfig`.

4.2 Controlled Internet-access

EasyCache offers you the opportunity to control access to the Internet. When activated, users will only be able to use the Internet according to the times that have been given to them. This is accomplished through a logon procedure that must take place each time a user wants access to access the Internet. How to set these access times is described in paragraph 4.4.

Note: In order to make this procedure work properly, it is very important that the properties in your browser are set correctly. More information on these properties can be found in Appendix A, paragraph 3 of this document.

When EasyCache is used, a user will have to log on to use the Internet. When the user enters an Internet-address into the browser, a number of windows pop up automatically: the first is an information window, in which the logon process is explained. Then a sign-up window and a pop-up window with a logon dialogue appear.

Note: This last window will not appear when the log on procedure has already been completed and there is still an open browser-window. See images below.

Please type your user name and password.

Site: easygate

Realm: easymail

User Name: admin

Password: *****

Save this password in your password list

OK Cancel

Internet Access Logon/Logoff	
Internet Access Logon: Status: Logged Off	
Status:	Logged Off
Remaining quota for now (HH:MM):	No limit
Remaining quota for today (HH:MM):	No limit
Remaining quota for this week (HH:MM):	No limit
Remaining quota for this month (HH:MM):	No limit
Quota used today (HH:MM):	00:00
Quota user this week (HH:MM):	00:00
Quota used this month (HH:MM):	00:18
Today's quota (HH:MM):	No limit
This week's quota (HH:MM):	No limit
This month's quota (HH:MM):	No limit
<input type="button" value="Logon"/>	

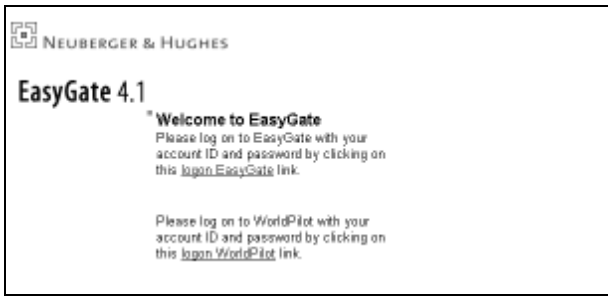
After logging on through the pop-up window, you have to click on the logon button to access the Internet. If you don't have permission to access to the Internet, you will receive an error-announcement. This will also happen when you have exceeded your assigned Internet-time quota (see dialogues below).



When you have permission to access the Internet and your assigned time has not been reached, then the "log on"- button will change in to a "log off"- button and the status announcement "logged on" will appear.
Note: Leave this window open, so you can use it to log off later on.



Now if the user returns to the main browser window where the information about the log on procedure is displayed and user enters the Internet-address again, the requested page will be loaded. If the requested page is not shown, but the screen with the information appears again, or the computer constantly tries to load a page (this is to be seen in the status bar on the bottom of the browser window), then the browser cache needs to be emptied. This procedure is described in Appendix A, paragraph 3. After this, the requested Internet-page will be loaded.



Note: It is important to log off via the log on/ log off window after using the Internet. Otherwise, the user's available access time will keep on running down until the quota is completely used up. This is why it is recommended not to close the log on/ log off window after having logged on.

4.3 Internet-access: Logging on and Logging off

It is also possible to log on/ log off in the EasyGate-menu. Information about the elapsed time and the remaining time is also displayed in this window

Internet Access Logon/Logoff	
Internet Access Logon: Status: Logged Off	
Status:	Logged Off
Remaining quota for now (HH:MM):	No limit
Remaining quota for today (HH:MM):	No limit
Remaining quota for this week (HH:MM):	No limit
Remaining quota for this month (HH:MM):	No limit
Quota used today (HH:MM):	00:02
Quota user this week (HH:MM):	00:02
Quota used this month (HH:MM):	00:21

4.4 Internet-access Accounts

In this submenu, the Internet-access quota can be adjusted on a per-user basis. Users are defined as people with a mailbox on the EasyGate system. A mailbox-owner automatically has an Internet-access-account (the default access privilege is "no permission"). In this field, several parameters can be filled in:

Edit Internet access account: Robin de Jeu	
Account:	bobbie
Account owner:	Robin de Jeu
Internet access permitted:	<input type="checkbox"/>
Daily quota (HH:MM):	<input type="text"/>
Weekly quota (HHH:MM):	<input type="text"/>
Monthly quota (HH:MM):	<input type="text"/>
Extra quota for today (HH:MM):	<input type="text"/>
Extra quota for this week (HHH:MM):	<input type="text"/>
Extra quota for this month (HHH:MM):	<input type="text"/>

Field name	Contents	Remarks
Account owner	The full name of the mailbox- and Internet-access-account-user	This name also applies for the mailbox
Daily quota	Amount of time that the owner is allowed to surf on the Internet per day in hours and minutes	
Weekly quota	Amount of time that the owner is allowed to surf on the Internet per week in hours and minutes	This amount can be smaller than the sum of the daily access quotas
Monthly quota	Amount of time that the owner is allowed to surf on the Internet per month in hours and minutes	This amount can be smaller than the sum of the daily or weekly access quotas
Extra quota for today	Once-only extra access-time for today in hours and minutes	At the end of the day this setting will be removed automatically
Extra quota for this week	Once-only extra access-time for this week in hours and minutes	At the end of the week this adjustment will be removed automatically
Extra quota for this month	Once-only extra access-time for this month in hours and minutes	At the end of the month this adjustment will be removed automatically
Limiting time range start.... And ending...1,2,3	3 periods of time can be entered in which surfing is allowed	Example 12.00-13.00 and from 19.00 until 07.00.

4.5 Passwords

In order to change a password of an access-account, you choose the account that needs to be changed in the menu "Passwords". In the window that appears, the password needs to be typed in twice. Passwords may contain symbols but no quotation marks (").

Notice: This password is the same as the one used for the mailbox; if it is changed here then it is also changed for the mailbox login

Edit Internet access account: Robin de Jeu	
Account:	bobbie
Account owner:	Robin de Jeu
Internet access permitted:	No
Password:	<input type="text"/>
Repeat password:	<input type="text"/>
<input type="button" value="Save"/>	

4.6 Internet-access Log Data

In this submenu the log on-times and log on-duration of the users are stored, of those who are allowed to surf. This submenu can also be found in the EasyStatistics. An extensive explanation about this submenu can be found in chapter 6, which discusses the EasyStatistics section.

Chapter 5: Managing the EasyWeb Functions

- 5.1 Introduction
- 5.2 Websites
- 5.3 User Privileges
- 5.4 Using Websites with Windows

5.1 Introduction

This chapter explains the functions of EasyWeb, EasyGate's web server. EasyWeb is not present on all EasyGate-versions, so it is possible that your EasyGate system does not contain this module. If you do wish to make use of EasyWeb, please contact your EasyGate-supplier for information about the EasyWeb-upgrade.

With EasyWeb you can manage up to three websites. You can build up an Intranet (website "home"), develop and debug a test site (website "tmp") and you can hold a copy of your live website, which is likely hosted at your provider (website "www"). On this last site you are able to develop (further) and test your website and when it's ready, you can publish it to your provider with the function "Publish".

The websites can be opened very quickly in your web-browser by using the short names (by default "www", "tmp" and "home"). Simply type 'http://www' (or http://tmp or http://home) into your web browser and the site will load.

With EasyGate it is also possible to host your own website. To do this, you need a permanent connection or callback-functionality. You should take into account that the more visitors your site generates, the slower your connection will be. In general it is advised to host your website at a provider, since they usually have a wide-bandwidth connection.

5.2 Websites

In this submenu you are able to manage the websites and their properties. A maximum of three websites can be maintained. In order to create or modify a website, choose the function related to this. Then you need to fill in or modify a number of fields that appear on your screen. What needs to be entered in every field is explained in the table below. A website can be removed by selecting the relevant site and clicking on the white cross in the upper right corner. After confirming this decision, the site is permanently removed.

The image shows two screenshots of the EasyGate web interface. The left screenshot displays the 'Website' submenu with two entries: 'Internes Intranet [home]' and 'Test Site [tmp]'. The right screenshot shows the 'Edit Website: Internes Intranet' configuration form.

Website	Name	FTP Server
Internes Intranet [home]	Internes Intranet	home@home.htdocs/
Test Site [tmp]	Test Site	tmp@tmp.htdocs/

Edit Website: Internes Intranet

Website: home
 Name: Internes Intranet
 FTP Server: home
 FTP user id: home
 Document path: htdocs/
 CGI programs path: cgi-bin/
 Website visible for the Internet:
 Visible Website IP address: [',,]
 Visible website hostname: [',,]
 Save

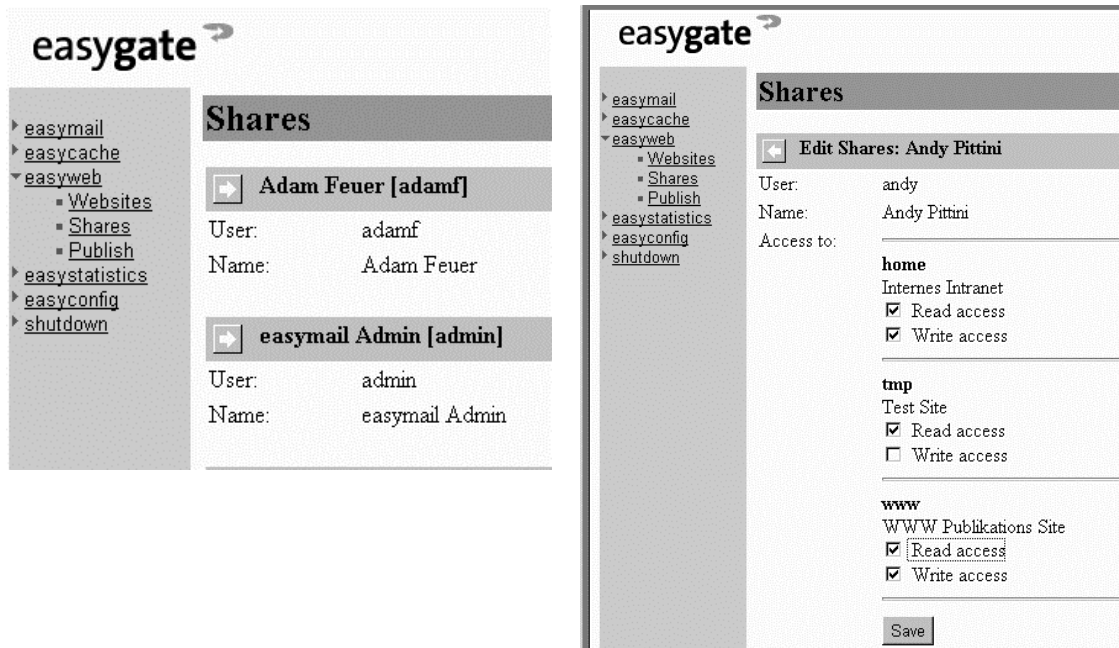
Field name	Contents	Remarks
Website	In this field the short name of the website is entered	The name has a maximum of 10 characters, and, once entered, cannot be changed. This is also the name with which you reference the site in the browser
Name	In this field you can enter a description or full name of the website	This field can be changed later on
FTP server	You have to enter the FTP-server here, to which the website has to be uploaded to (your live server upload location). Your provider can give you this information. In case of a local website ("home" or "tmp") then the short website-name should be here.	The FTP-server uses publishing, functions to upload your site. There has to be an agreement with the Internet-provider where the FTP-server stores the website, so that the website is available at the correct address on the Internet
FTP user	The account name for logging on to the FTP server must be entered here. Your provider can give this information. When in reference to a local website, this field should contain the short website-name	Just like the FTP server name, the provider determines the FTP account name. The matching password will not be stored/saved, but will be asked for with every FTP-transfer
Document path	The path to where the website has stored/saved the introduction-page is entered here. The provider determines this path. For the local sites this is "htdocs/".	The path-name has to end with a "/".
CGI Program path	The path is entered here to where the website searches for its required scripts. The provider determines this path. For the local sites this is "cgi-bin/".	Also this path-name has to end with a "/".
Website visible for the internet	When selected, this option makes your website visible on the internet	
Visible website IP address	Here you fill in an official IP-address that has been given to you by your provider. This way, people can access your website. It is attached to the chosen hostname	This can be the same address that has been given to EasyGate for ISDN- and email traffic, but when you have been given multiple official IP-addresses, you can select a different one as well
Visible website hostname	The hostname that is attached to your website has to be filled in here. This has to be within one of your domain names. The hostname is linked to the IP-address, so people are able to reach your website through this hostname	Usually something like: www.domainname.com or: support.domainname.com

It is possible to enter multiple hostnames for one IP-address; so multiple websites can be hosted underneath one IP-address.

Note: Do not forget to provide your website provider with the combination of your IP-address and hostname(s). This way, these combinations can be added to the providers name server, making the websites accessible throughout the whole Internet.

5.3 User Privileges

The client, by means of a link with the Windows-network services or AppleTalk-services, can edit the websites. This can be done by multiple users, as long have been granted user privileges. There are two levels: a "read-only"-right, where the contents of the website can be read in the Windows/Apple- interface. This also gives the user the right to publish websites. Modifications to the site cannot be carried out with this privilege. The second right is "Complete access". With this, site modifications can be made. The user privileges can be given in the submenu "User privileges".

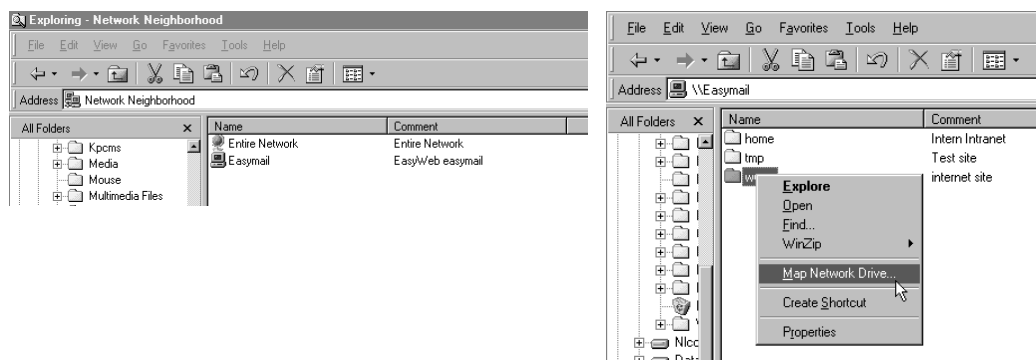


When the user to whom privileges are to be granted has been selected, it is possible to indicate what his or her rights are per website. Simply tick off and save the desired user privileges.

Note: To let the users work from a Windows or MacOS environment, it is necessary that the network-logout takes place using the mailbox-name and the password the user has on the EasyGate system. If not, the user will not be able to be granted access to the websites.

5.4 Using Websites with Windows

A user who has at least the “read-only” can look at a website from Windows Explorer and link this to a so-called network-station-letter. To do this, EasyGate first has to be found in the Network Neighborhood. Then, after double clicking on EasyGate, all websites are displayed to which the user has at least a minimal privilege of "Read-only". Now you can **right-click** on one of the websites and by means of the submenu "Map Network Drive" a disc-letter can be given to this website. This way normal Windows-actions can be executed with this website.



Beware: To let the users work from Windows or MacOS, it is necessary that a network-logout take place with the mailbox-name and the password as the user is set on EasyGate. When this is not done, the user will not be able to gain access to the websites through Windows or Apple network neighborhood.

Chapter 6: Looking at the EasyStatistics-Log Data

- 6.1 Internet-access Log Data
- 6.2 ISDN-connection Log Data

6.1 Internet-access Log Data

When the submenu "Internet-access log-data" is selected in the menu "EasyStatistics", the logon-times and logon-duration per user per month can be looked at. In the title-bar of the month, the total logon-time is displayed. By clicking on the plus- and minus signs, you can navigate through the different users and months.

The screenshot shows a Netscape browser window displaying the EasyGate web interface. The main content area is titled "Internet Access Log Data". On the left, there is a navigation menu with options like "easymail", "easycache", "easyweb", "easystatistics", "easyconfig", and "shutdown". Under "easystatistics", "Internet Access Log Data" is selected. The main content area shows a list of users: "Adam Feuer [adamf]" and "easymail Admin [admin]". Below this, there are two expandable sections for months: "Month: 07.2000 : online time(sec.): 7:19:28:23" and "Month: 06.2000 : online time(sec.): 2:02:45:53". The July 2000 section is expanded, showing a table of logon data:

Date	Time	Online Time(sec.)
11.07.2000	18:31	06:40:26
12.07.2000	00:11	00:03:59
12.07.2000	01:24	17:55:46
16.07.2000	19:19	18:48:12

Beware: Data will only be registered if you have switched on the function "Proxy-authentication" (part of EasyCache) in easyconfig. With this the Internet-access logon-procedure is activated.

6.2 ISDN-connection Log Data

When the submenu "ISDN-connection log-data" is selected in the menu "EasyStatistics", the number of connections made and the duration of every connection, can be looked at on a per-day basis. In the title-bar of the month the total connection-time of that month is displayed. By clicking on the plus- and minus signs, you can navigate through the different months and days.

The screenshot shows the EasyGate web interface with the "ISDN Connection Log Data" section selected. The navigation menu on the left is the same as in the previous screenshot. The main content area shows a list of months: "Month: 02.2000 : Total (HH:MM:SS): 00:00:00, Connections: 0" and "Month: 05.1999 : Total (HH:MM:SS): 00:07:19, Connections: 4". The May 1999 section is expanded, showing a table of connection data for the day 05.27.1999:

Date	Time	Online Time(sec.)
27.05.1999	15:29	00:01:50
27.05.1999	15:35	00:01:49
27.05.1999	15:45	00:01:50
27.05.1999	15:53	00:01:50

Below the table, there is a "Refresh" button.

Chapter 7: Functions for the Mailbox-user

- 7.1 Introduction
- 7.2 EasyGate
- 7.3 EasyCache
- 7.4 EasyWeb

7.1 Introduction

The individual mailbox-user is able to execute a number of functions, when he logs on with his mailbox-name and password.

7.2 EasyGate

In the EasyGate-menu the user can do the following:

Submenu	Possible Action
Mailboxes	The describing name can be changed here
Passwords	The user can change his password here
Aliases	The user can see what aliases he has for his mailbox. He isn't able to change them.
Forwarding	The user can forward or distribute his mail to other mail-addresses, for instance when he is on holiday and his secretary has to receive his mail.
Addresses (external)	The user can see what external addresses he can use in the part "Forwarding"

7.3 EasyCache

In the EasyCache-menu the user can do following:

Submenu	Possible Action
Internet-access logon/logoff	The user can logon and logoff, and in addition, he can look at his account-data
Internet-access accounts	The user's own account is visible and the descriptive name can be changed
Passwords	The user can change his password here. NOTE: This changes the mailbox password as well
Internet-access log data	The user can look at his log data here.

7.4 EasyWeb

In the EasyWeb-menu the user can do the following:

Submenu	Possible action
Websites	The user can view and publish the website-data of websites where he has a minimum privilege of "Read-only". He can modify those websites where he has read/write privileges.
User privileges	Nothing is possible here
Publish	The user can publish websites to which he has a minimum privilege of "Read-only"

Appendix A: Settings on the client-PC's

1. The TCP/IP Settings (Network Settings)
2. The E-mail Program
3. The Internet Browser

In order to work with EasyGate from the client's PC, a number of settings have to be made. Depending on the exact network-configuration and the configuration on the client's PC, a number of settings need to be entered or just confirmed.

1. TCP/IP Settings for Windows 95, 98, Millennium, Windows 2000 and NT

Each PC that is going to be connected must have the TCP/IP-protocol installed. This can be done in "Network" control panel, which is reached by clicking on the submenu "Settings" – "Control Panel" in the Start-menu (in Windows 95/98). See image 1. A screen now appears with three tab-sheets (image 2).



Image 1

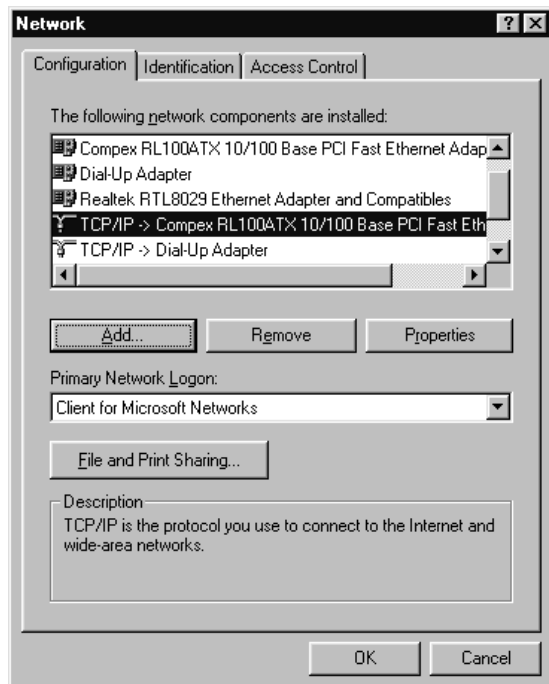


Image 2

Note: The images shown below and descriptions are based upon Windows 98. The procedure for other windows variants is almost identical; while in Windows NT the screens are slightly different, the described settings are identical. In Windows 2000, the network settings are in a separate folder within the control panel folder. The interface that you want to configure is called "Local Area Connection". You may need to use the wizard to create this connection.

On the "Configuration" tab, choose the TCP/IP-protocol from the installed components by double clicking on it. Usually you have to have the line that says "TCP/IP ⇒ network-card name". Sometimes it just says "TCP/IP"; in that case you have to select this line. Next a screen appears with 5 tab-sheets (images 3 and 4). In Windows 2000, there should only be one TCP/IP option under Local Area Connection. Click on it. The only tab pane is called "General".

Note: In Windows 9X or NT, do not select the line "TCP/IP⇒ Dialup-adapter"; this is a setting that deals with TCP/IP-settings for other applications.

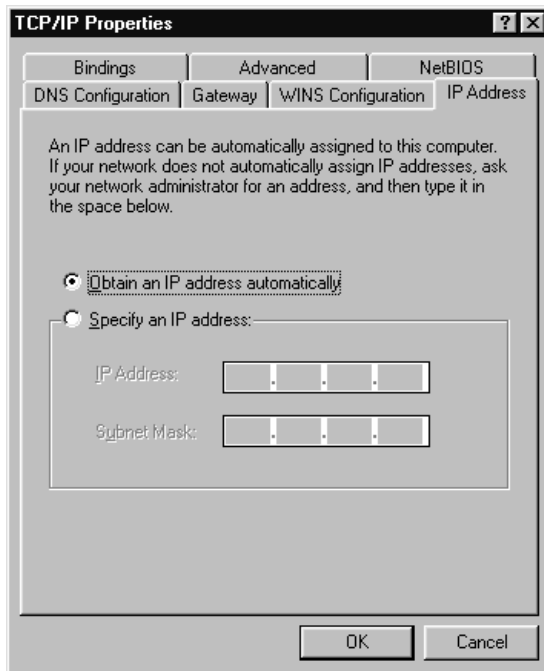


Image 3: IP address

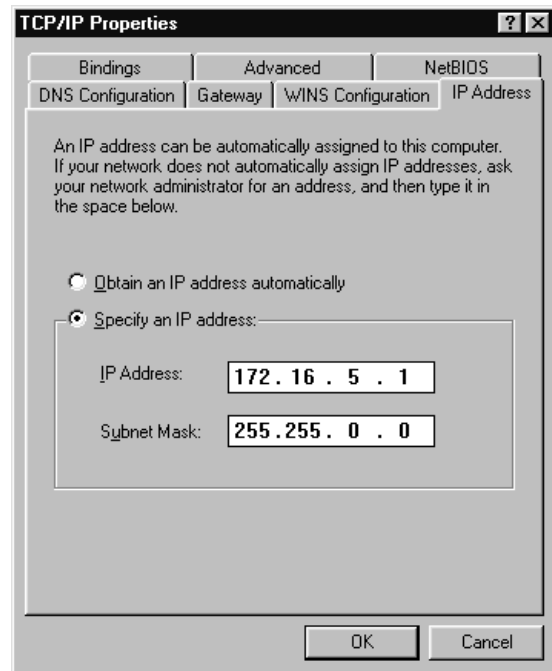


Image 4: IP address

- If the DHCP-server is activated on EasyGate, you select ⇒ "Obtain an IP address automatically" In Windows 2000, select obtain DNS automatically as well.
- When the DHCP-server is not activated on EasyGate ⇒ specify IP-address and subnet mask that match the settings on the network and your EasyGate.

Note: You have to assign a unique IP-address to the client-PC, not enter the IP-address of EasyGate. If you have insufficient knowledge of TCP/IP networks, please let someone advise you or ask for information from your network-provider or EasyGate supplier.

Windows 9X and NT users, continue with the tab-sheet "WINS Configuration", by clicking on it.

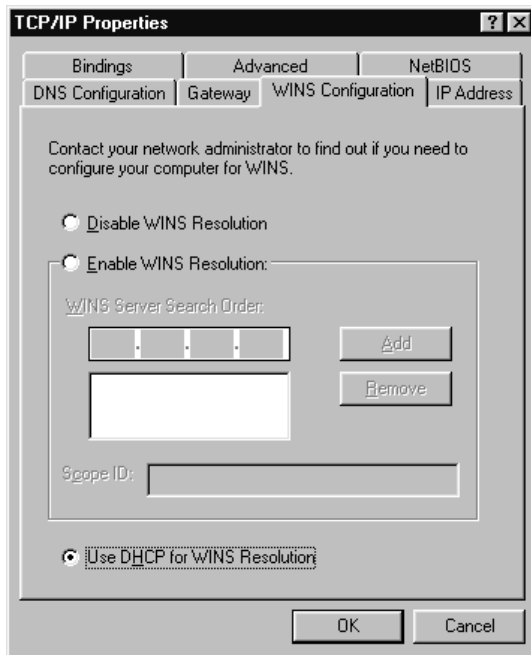


Image 5: WINS configuration

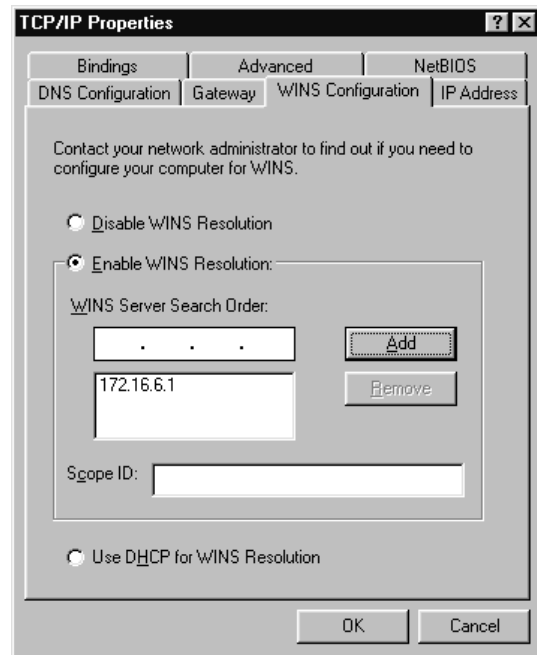


Image 6: WINS configuration

- If the DHCP is active (the client-PC is dynamically assigned an IP-address) \Rightarrow select the option, "Use DHCP for WINS Resolution".
- In case of a fixed IP-address \Rightarrow select "Enable WINS Resolution ", enter the internal IP-address of EasyGate and click on the "Add" button. The address appears in the text field underneath. The field "Scope ID" can be left empty.

Windows 9X and NT users, continue with the tab-sheet "Gateway", by clicking on it.

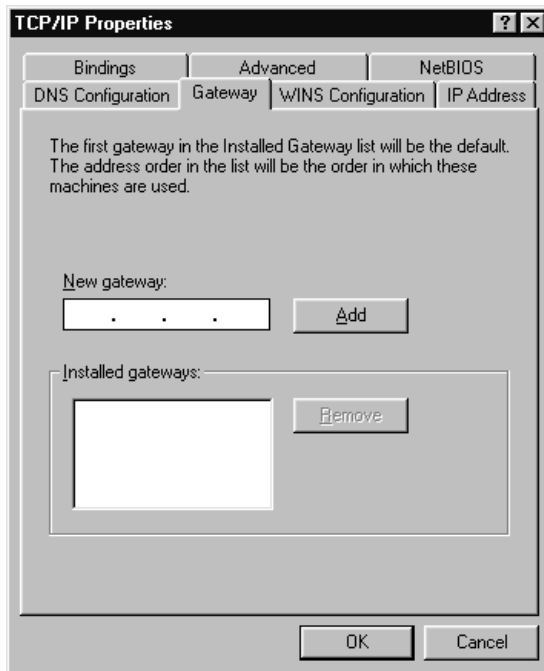


Image 7: Gateway

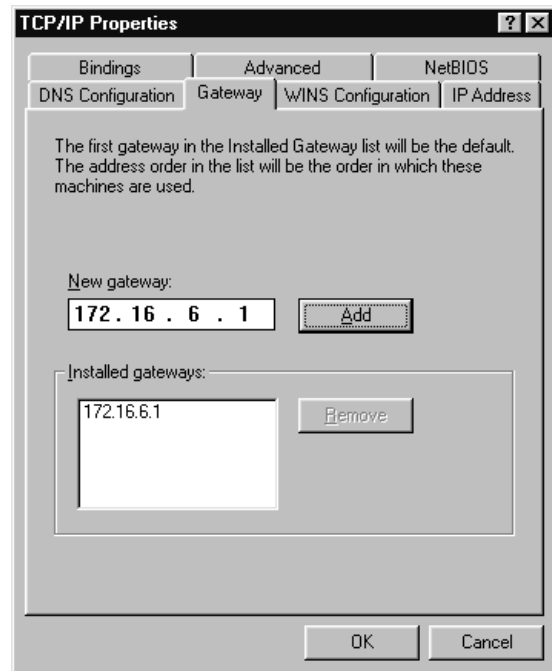


Image 8: Gateway

- If DHCP is active, then there does not have to be a gateway in the field "Installed gateways" (image 7). While DHCP is being used, no further specification of a gateway is necessary.
- In case of a fixed IP-address, you enter the internal IP-address of EasyGate in "New gateway" (the same as you have already entered at WINS-server) and you click on the "add" button. The address appears in the "Installed gateways" text field.

If the client-PC is in another subnet than the EasyGate, you enter the IP-address of the common gateway. Normally this is the IP-address of the network-card in the server, which connects these subnets. If this is the case, some extra routing settings on EasyGate will have to be modified, in the submenu "*Extra routing*". The server needs the correct TCP/IP-settings to make this work. If you have questions about this, please contact your network provider.

Continue with the tab-sheet "DNS-configuration", by clicking on it.

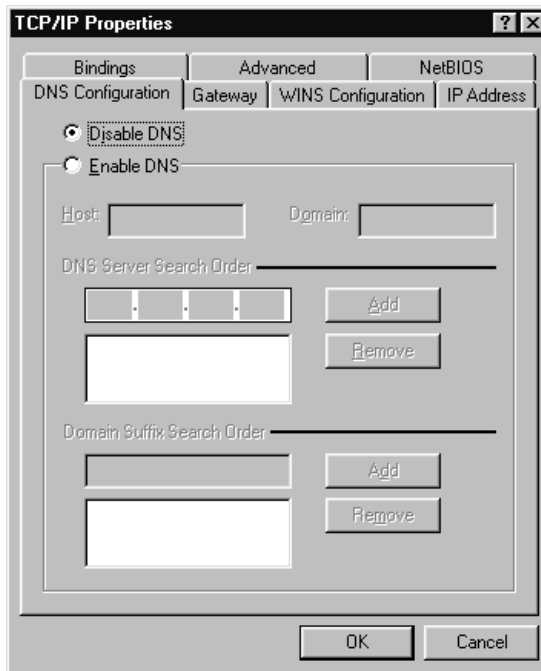


Image 9: DNS configuration

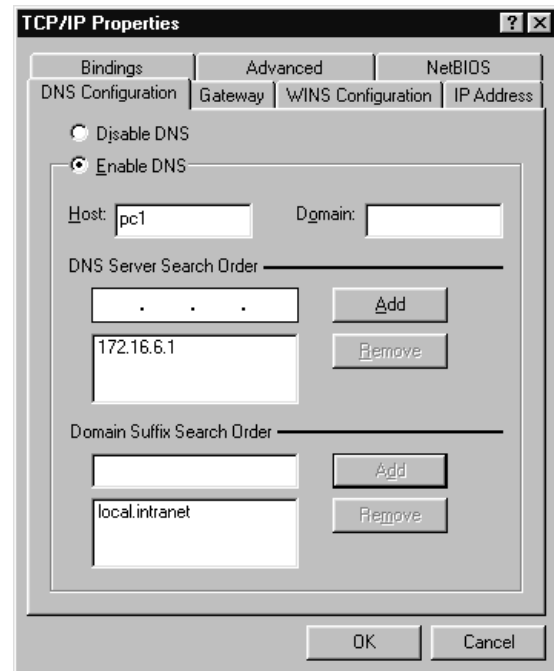


Image 10: DNS configuration"

- If DHCP is active, the setting "Disable DNS" can be chosen. There is no DNS-server required at "DNS Server Search Order". It is possible that other name-servers are already filled in; normally this isn't a problem and you can leave them there (image 9). Should you have problems, remove the other name servers, if you are sure that this doesn't disable other network-functions.
- In case of a fixed IP-address, you need to fill in a name for the client-PC at "Host". At "Domain" you don't have to fill in anything.

Under "DNS Server Search Order", fill in the IP-address of EasyGate and you click on the "add" button. You also fill in the internal domain search suffix in "DNS Server Search Order", like it is set on EasyGate (you can find this in easyconfig under submenu *Name server*).

Normally this is set to "**local.intranet**" and you don't have to change it (image 10).

It is of no concern if there are other name-servers here; you just have to add the EasyGate-data.

Beware: The "internal domain search suffix" is not the same as the workgroup/ domain, as specified in easyconfig, menu EasyWeb. You can find the workgroup/ domain-settings on the tab-sheet "Identification", directly under Network-properties (see image 2).

You have now finished TCP/IP-settings; you don't have to make changes on the other three tab-sheets ("Bindings", "Advanced" and "NetBIOS"). Click on "OK" to close the window of TCP/IP-settings, and again on "OK" to close the Network-window. A number of system-files will be copied (a Windows CDROM could be asked for) and you need to restart your client-PC. Now you just need to adjust the settings of the Internet-browser and the email program. Just how to do this is described in the next two sections.

2. E-mail Program

The configuration varies from program to program, but a number of settings, are always the same. To make the program work correctly with EasyGate, the settings have to be made configured in the following manner. Some programs automatically start with a Configuration-Wizard, where the following information can be filled in:

Setting	To be filled in
Connection	Through local network, through LAN
Kind of server	With EasyGate: POP3 With EasyGate.WorldPilot: IMAP4
Server for incoming mail, or POP3 or IMAP4 server	EasyGate
Server for outgoing mail, or SMTP server	EasyGate
Port numbers (the default settings are correct, usually no alteration is needed)	25 for SMTP, 110 for POP3 and 143 for IMAP4
POP3-name, IMAP-username, username, login-name	Mailbox-name on EasyGate. When an alias is being used, the name of the mailbox that is placed underneath.
Password	The password that matches above-mentioned mailbox
E-mail address	The acknowledged email address, or the combination of mailbox- or alias-name and "@domainname.com"

Two common email clients will be described for clarification.

Example: MS Outlook Express

In the images 11 through 14, a number of screenshots from the MS Outlook Express-program shown, configured for use with an EasyGate. The program-settings in Microsoft Outlook Express 97 and 98 are similar if not identical.

Microsoft Outlook Express:

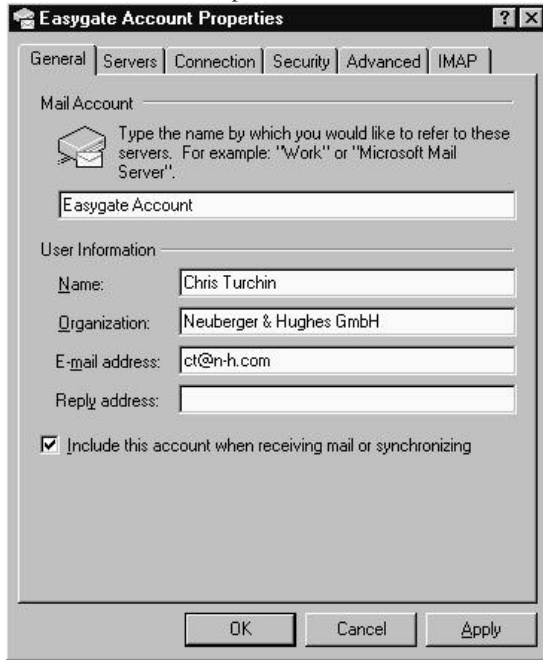


Image 14

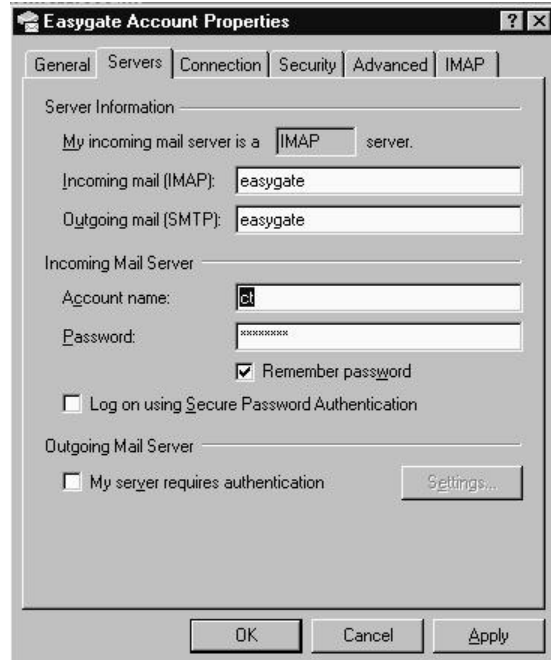


Image 15

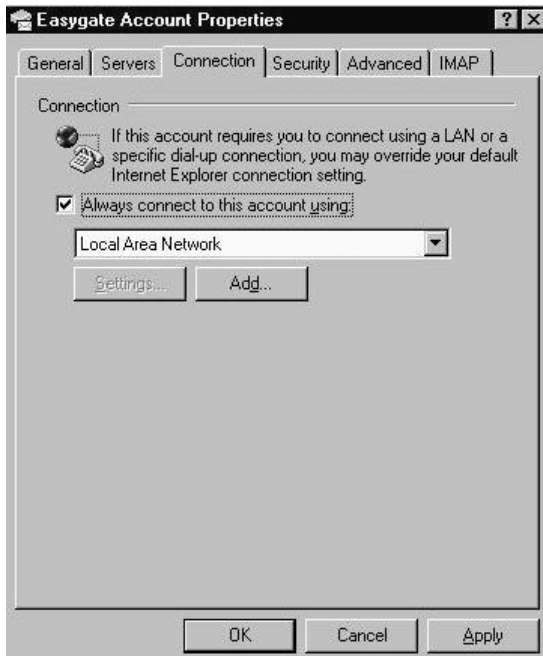
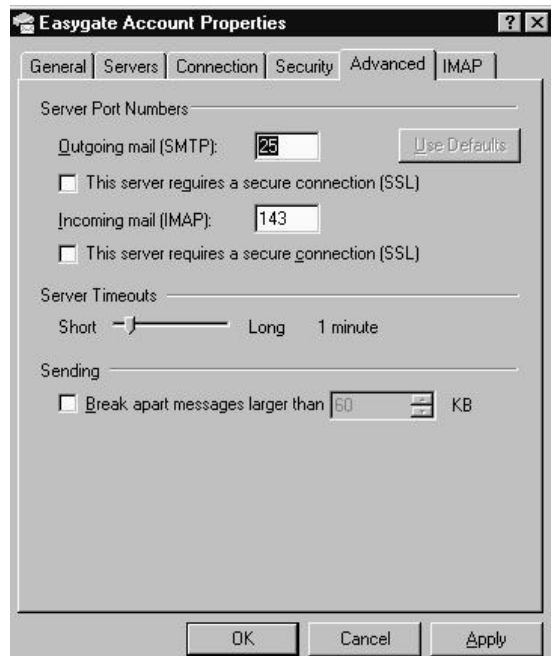


Image 16



Example Two: Netscape Communicator

The images 15 and 16 show how the settings are made in Netscape Messenger (part of Netscape Communicator). To do this, you have to go to the menu "Edit", submenu "Preferences". Now select "Mail & Newsgroups". In the first two submenus of this part, the following modifications need to be made, using your own data (see image 15 and 16).

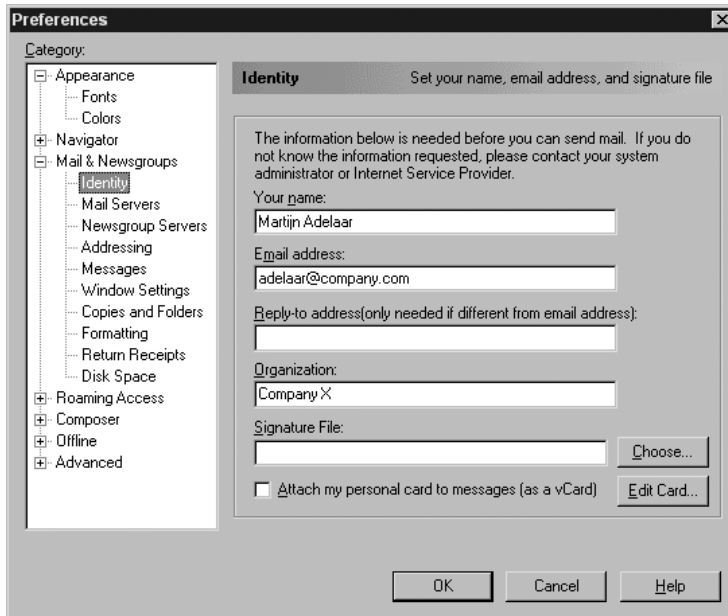


Image 17

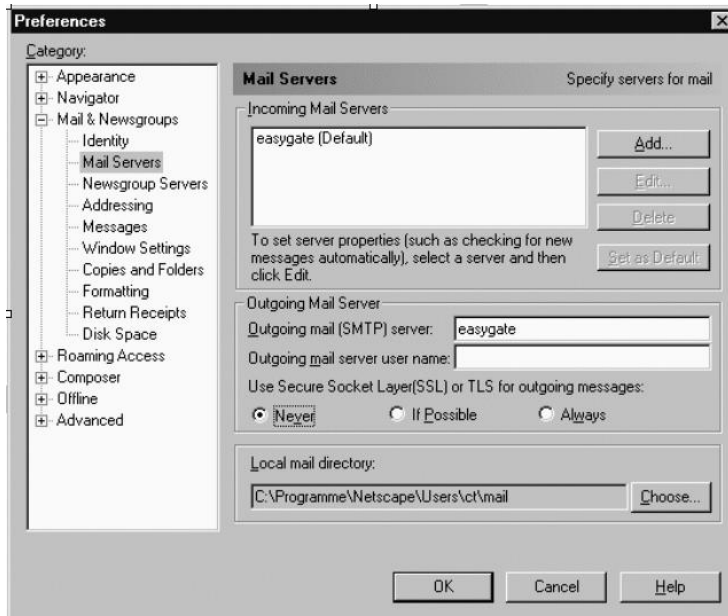


Image 18

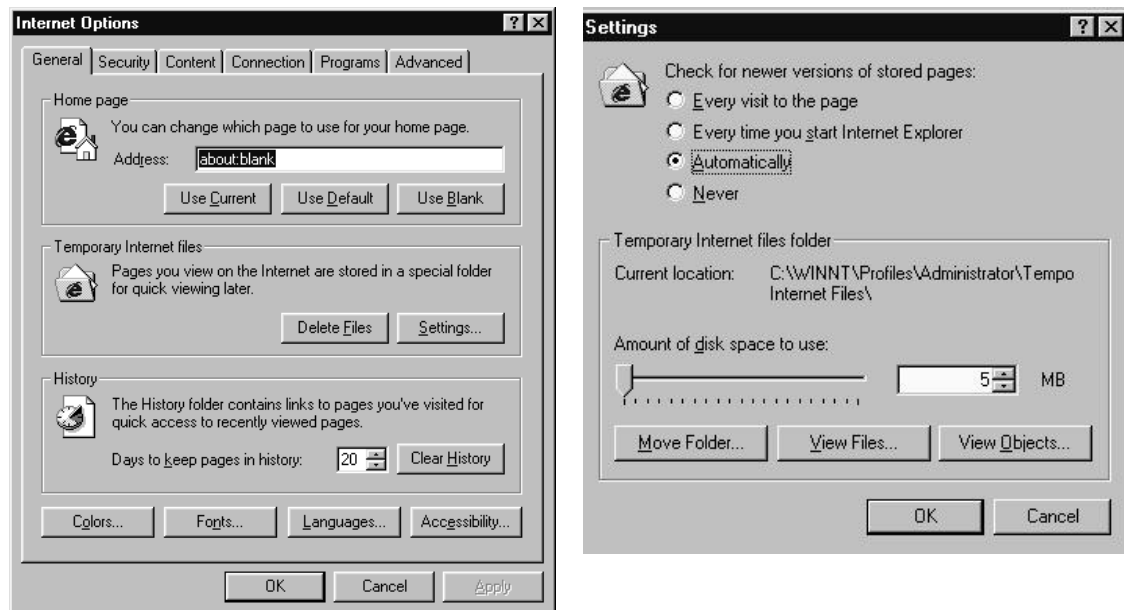
3. Internet Browser

In the Internet-browser a couple of settings need to be configured as well. This process is described below for the two most common browsers. The menus can differ from version to version of a browser. For Microsoft and Netscape you have to use a browser version 3.0 (for Internet Explorer 3.0.2) or higher. Other browsers will work as well, but you should use a version that is no more than two years old.



Microsoft Internet Explorer

Go to the menu "View", submenu "Internet options..."



Tab-sheet "General"

- At "Temporary Internet-files" (image 17): Click on "Delete files". Confirm with "OK" in the window that appears.
- At "Settings..." (Image 18):
 1. At "Check on..." the option "Every visit to the page" should be selected.
 2. At "Folder with temporary Internet-files", you should set the "Maximum use of disc" at 1 % (this is the minimum).

Tab-sheet "Connection"

- At "Connection": Select "Connect to the Internet using a local area network (LAN)".

At "Proxy-server":

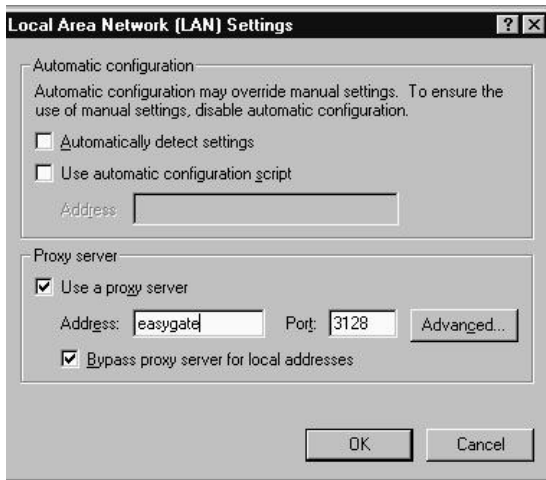
Tick off "Access the internet using a proxy server".

At "Address", fill in: **EasyGate**

At "Port", fill in: **3128**

Tip: If the workstation should not be connected with the Internet, you can fill in another port-number, for example 8080. A better solution would be to block port 80 on EasyGate. This rule will then be valid for the entire network. For more info see the configuration manual.

4.0 Tick off: "Bypass proxy-server for local (Intranet) addresses".



The other tab-sheets can be left unaltered.



Netscape Navigator

Go to the menu "Edit", submenu "Preferences..."

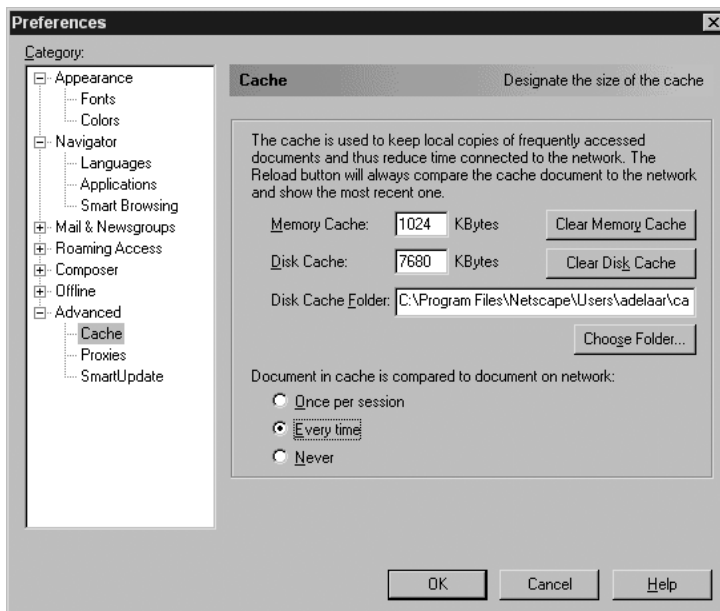


Image 20

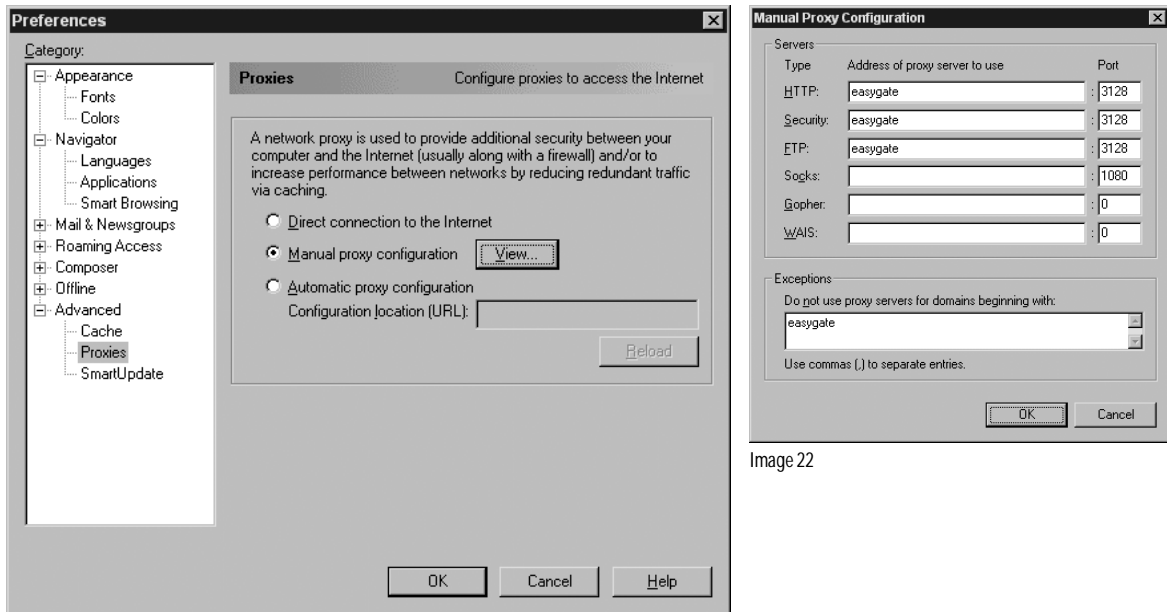


Image 22

Image 21

Component "Advanced" (Images 20, 21 and 22)

At "Cache":

1. At "Memory cache" and "Disk cache", fill in the number **0 (the numbers image 20 should be replaced with zero (0).)**
2. Erase the cache memory and the cache-disc by clicking on the button on the right.
3. Select "Every time", at "Document in cache is compared with the document..."

At "Proxy's"

1. Select: "Manual proxy-configuration"
2. Click on: "View"
3. At "HTTP", "Security" and "FTP" you enter in the field "Address of the to be used proxy-server": **EasyGate**. And fill in as "Port": **3128**

Tip: If the workstation should not be connected with the Internet, you can fill in another port-number, for example 8080. A better solution would be to block port 80 on EasyGate. This rule will then be valid for the entire network. For more info see the configuration manual.

4. Click on: "OK".

The rest can be left unaltered.

The workstation is now ready to email and surf on the Internet using EasyGate.

Appendix B: VPN-PPTP settings on the client-PC's

1. Making a VPN connection from a client

To be able to use VPN possibilities a VPN connection must be configured on the client that will connect to the company network. Below is a table with the settings that have to be inserted into the client PC.

Settings on the client PC	Fill in
Type of Network Connection	VPN
Hostname or IP address	External IP address or server-hostname of the EasyGate server with VPN installed. (ie. 212.102.91.4 or mail.<company name>.com)
Availability of the connection	Only for myself
Connection name	For example 'VPN with <company name>'
Options	Here you can use the default settings
Security	See for Windows 2000 paragraph 4 (image 11 to 16) and for Windows 98 paragraph 3 (image 10)

Activating the connection and logging on to the VPN server

When you activate the VPN connection, you will have to log on to the VPN server. Use your regular VPN log-in name and password here.

Loggin on to the network

To log on to the network server, for example LiNUX, NT, Novell, etc., the regular network log-in name and password have to be used.

P.S. a VPN connection runs "on top of" a internet connection, so always make sure the internet connection is configured correctly.

2. Windows 95

To use VPN with Windows 95, the following Microsoft updates have to be installed. They can be downloaded at the following location *:

<http://www.microsoft.com/windows95/downloads/>

Dial Up Networking 1.3 Performance & Security Update
Microsoft Virtual Private Networking

When asked during the installation procedure, the following updates need to be installed as well:

Windows 95 Year 2000 Update (when it has not been installed yet)
Microsoft DUN 1.3 and Winsock2 Year 2000 Update

Update 1,2 and 4 can be found on this page in the section "Networking"
Update 3 can be found in the section "Recommended Updates/Featured Updates"

Installation instructions for these updates can also be found on this page. For questions regarding these updates you have to contact Microsoft. Neuberger & Hughes does not give support for them.

When Indien u deze geïnstalleerd heeft, kunt u de beschrijving in de volgende paragraaf volgen.

* These locations can change. When the updates cannot be found, use the search function on:

<http://www.microsoft.com>

3. Windows 98

IMPORTANT:

When you use the First Edition of Windows 98, it is **necessary** to install the VPN Update from Microsoft first. Without this update it will **not** be possible to set up a VPN connection between Windows 98 First Edition and EasyGate. For Windows 98 Second Edition this update is not necessary. The update can be downloaded from the Microsoft website.

To make a VPN connection with Windows 98, you first have to install a VPN adapter. This might already been done. Below are instruction for the installation. You must be aware that Windows can ask for the Windows 98 CD-Rom.

a. Installing a VPN adapter in Windows 98

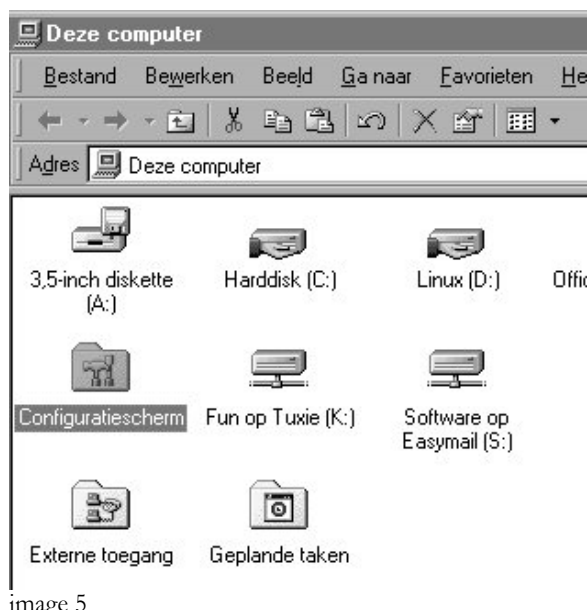


image 5

Double click on 'My computer' on you desktop and a window like this one appears. Double click on 'Control Panel' and double click on 'Add/Remove programs'.

Choose 'Windows Setup', select Communication and click on 'details'. (image 6)

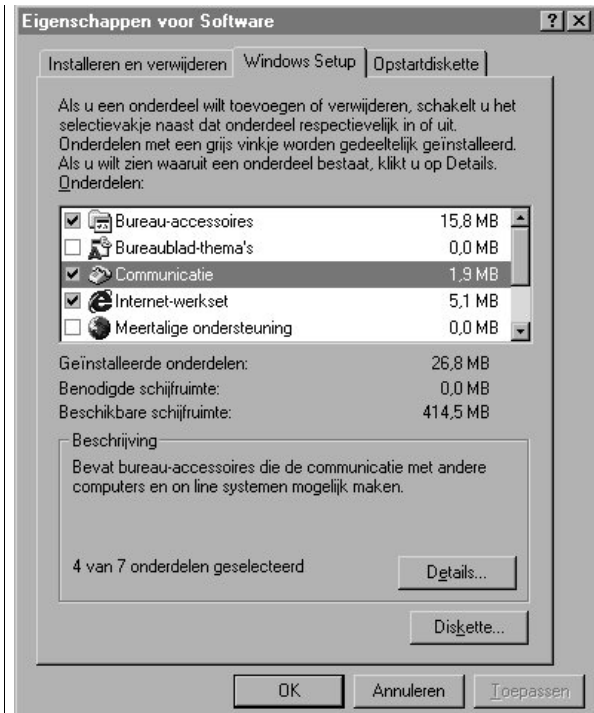


image 6

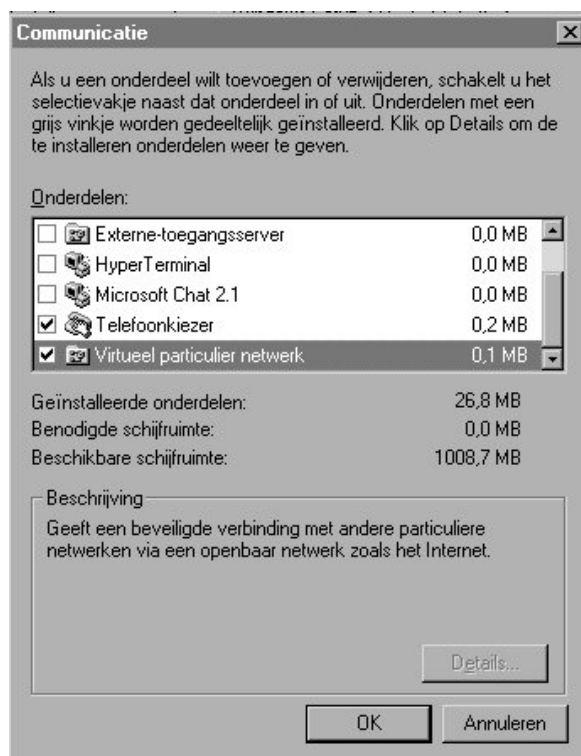


image 7

Here you can add and remove several items. To make a VPN connection, you have to add the item 'Virtual Private Network'.

When you click on 'OK' the network adapter is installed and the VPN connection can be configured.

b. Setting up a VPN connection

Double click on 'Dial-up networking' then choose 'Make new connection'. A wizard will appear that leads you through the install procedure step-by-step.

You can give the connection a name, then choose 'VPN adapter' as the machine you want to connect to.

The settings that need to be made are described in paragraph 3.1

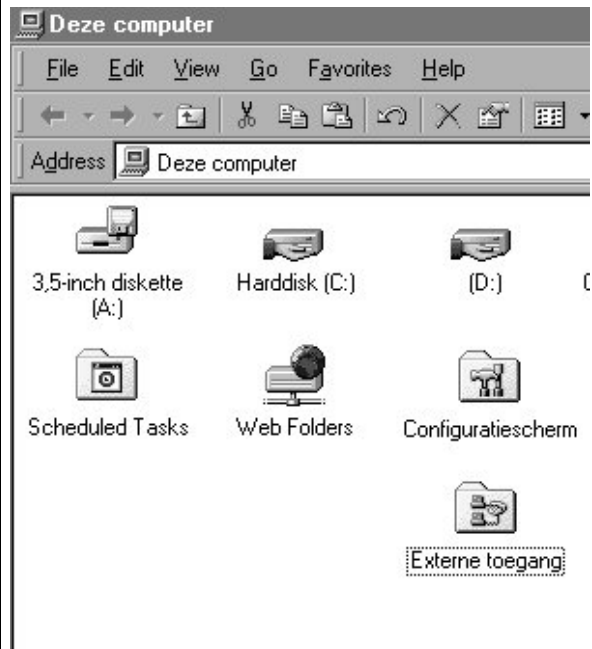


image 8

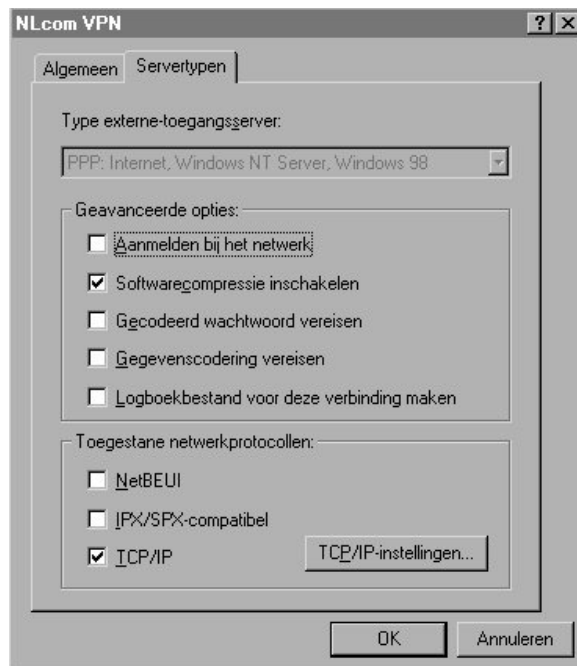


image 9

After closing the wizard, you can activate the connection by double-clicking on it.

You can check the properties of the connection by right-clicking on it and select 'properties'.

Your settings have to be equal to the ones displayed on image 9.

4. Windows 2000

On the desktop, right-click on 'My network locations', then select 'properties'. Now choose 'Make new connection' which will start the 'wizard network connection' (see image 10). Choose 'Connect to Virtual Private Network through the Internet'. (image 11).



image 10



image 11



image 12

Choose the start-up connection (image 12)

Fill in the correct settings with host name or IP address (image 13) and choose to make the connection “only for myself”.



image 13



image 14

Finally you can give the connection a name and place a shortcut to the desktop (image 14).



image 15

Properties and configuring the VPN connection

To be able to use your VPN connection the properties will have to be configured.



image 16

Fill in your username and password, given to you by the system administrator. (image 16).

Make sure that the properties of your VPN connection are equal to the ones displayed in the images 17, 18, 19, 20, 21, 22, 23 and 24.



image 17

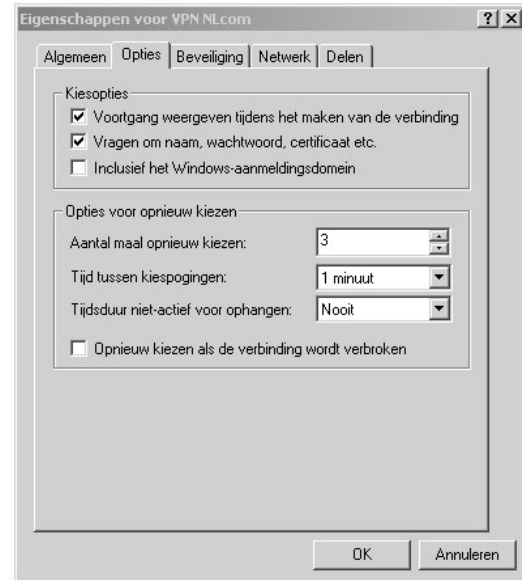


image 18

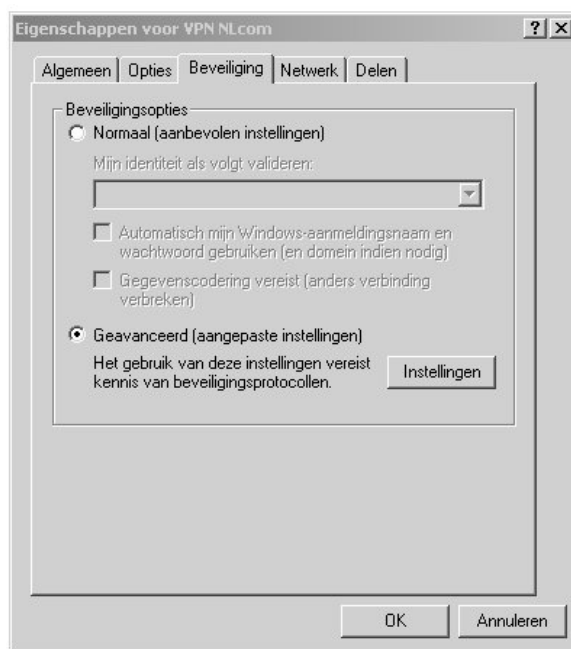


image 19

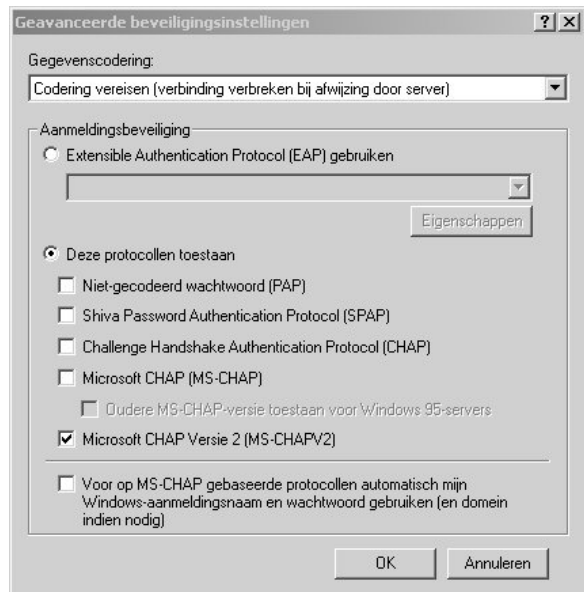


image 20

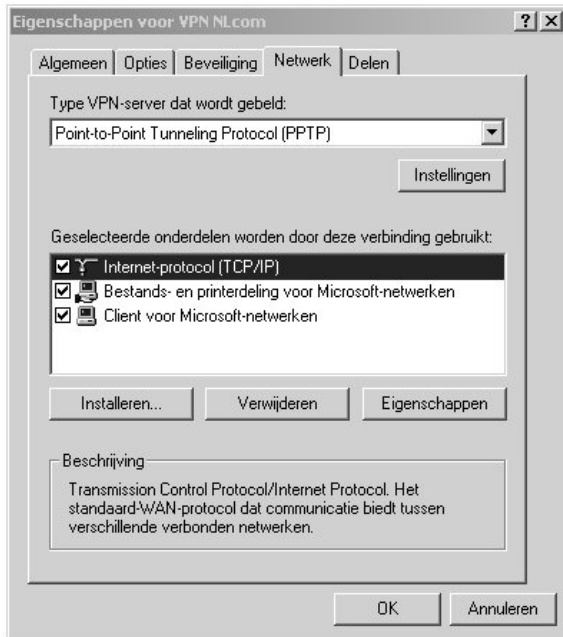


image 21

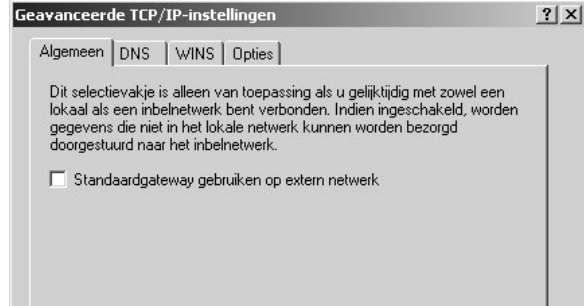


image 22

Go to the 'properties' of the TCP/IP settings (image 20) and go to the 'advanced' tab. "Use standard gateway on external network" should not be selected (image 21).

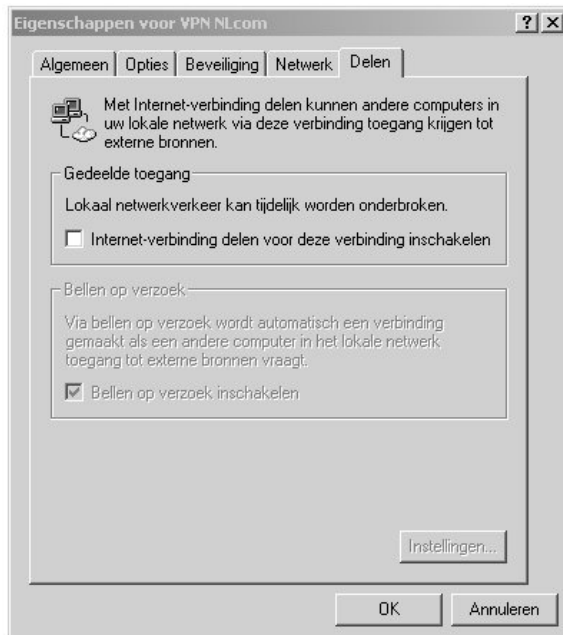


image 23

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```

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```

```
lib/base64.c::base64_encode():
```

```
Adopted from http://ftp.sunet.se/pub2/gnu/vm/base64-encode.c. Modified to work with strings instead of files.
```

```
lib/snprintf.c:
```

```
Taken from the Apache Server package (www.apache.org).
```

```
This product includes software developed by the Apache Group for use in the Apache HTTP server project (http://www.apache.org/).
```

```
snmplib/*:
```

```
The SNMP library code is developed by Carnegie Mellon University.
```

```

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*
*****
*****/

```

lib/GNUregex.c:

```

/* Extended regular expression matching and search library, version 0.12. (Implements POSIX draft P1003.2/D11.2, except for
* internationalization features.)
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* Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111, USA. */

```

lib/dlmalloc.c:

A version of malloc/free/realloc written by Doug Lea and released to the public domain. Send questions/comments/complaints/performance data to dl@cs.oswego.edu.

<http://g.oswego.edu/dl/html/malloc.html>

lib/md5.c:

```

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```

```

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*/

```

lib/radix.c:

```

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*
* @(#)radix.c 8.4 (Berkeley) 11/2/94
*/

```

lib/tempnam.c:

```

/* A reasonably functional tmpnam. */

/* Originally by Tom Hageman, tom@basil.icce.rug.nl */

/*
* This tmpnam() was changed by Gerben.Wierda@RnA.nl to serve as tempnam() for squid-1.1.6. It ignores the directory
* parameter, every temp file is written in /tmp.
*/

```

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