



Globesurfer III Installation/Konfiguration

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1 Välkommen

Uppkoppling av utrustning via Globesurfer III 3G router.



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1.1 Översikt

Detta dokument beskriver hur man kopplar upp ducar/utrustning via Globesurfer III 3G router.

2 Installation



Förberedelser.

- Kund måste beställa trådlös bredbandstjänst med statisk ip - adressering.
 - Fungerande leverantörer:
 - Multicom Security - Multicom Mobiflex
 - Telenor - Bredbandstjänst med tillägg fast ip-adress
- De flesta leverantörer kan nog dock erbjuda tjänsten.

Installation av 3G Router.

- Koppla i antenn i RF utgång.
- Sätt i SIM-kort i avsedd port.
- Koppla in nätverkskabel i Ethernet port.
- Koppla in spänningsmatning

3 Konfigurering

Förberedelser.

- Router har från leverantör denna konfigurering:

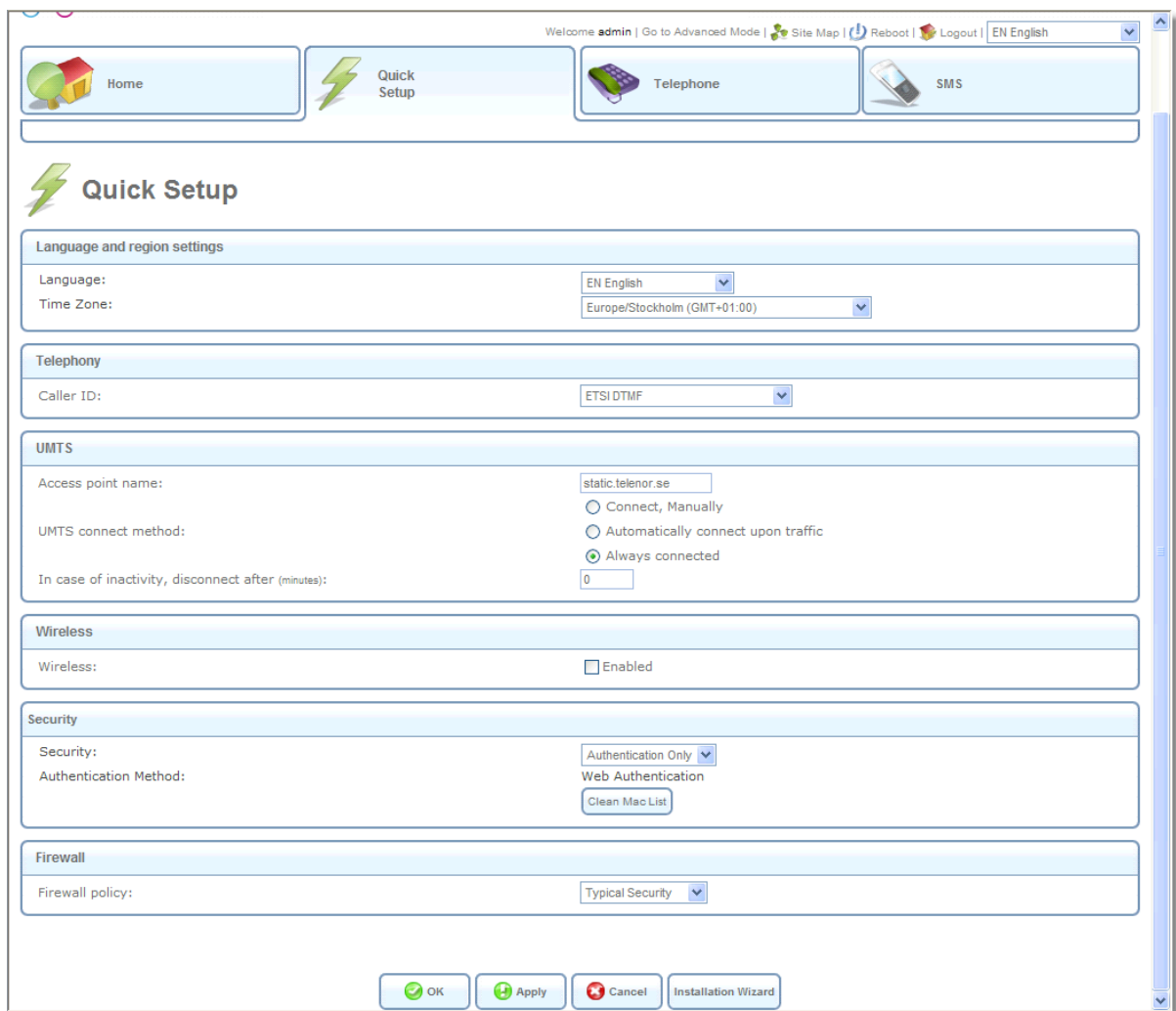
Adress:	192.168.1.1
Namn:	admin
Lösen	

- Koppla in router till nätverket med ethernet-kabel.

- Ställ in din dators nätverksanslutning med dessa uppgifter:

Adress: 192.168.1.100
Gateway: 192.168.1.1
Nätmask: 255.255.255.0
DNS: 192.168.1.1

- Öppna Internet Explorer och surfa in på 192.168.1.1. Ange namn/lösen ovan.
- Får du upp fråga om PIN-kod matar du in denna och anger att enheten skall komma ihåg PIN-koden
- Du kommer även att få en fråga om lösenordsbyte, utför detta men se till att komma ihåg lösenordet!
- Klicka på "**Quick Setup**" i flikmenyn. Du får då upp denna dialog:



Welcome admin | Go to Advanced Mode | Site Map | Reboot | Logout | EN English

Home Quick Setup Telephone SMS

Quick Setup

Language and region settings

Language: EN English
Time Zone: Europe/Stockholm (GMT+01:00)

Telephony

Caller ID: ETSI DTMF

UMTS

Access point name: static.telenor.se

UMTS connect method:
 Connect, Manually
 Automatically connect upon traffic
 Always connected

In case of inactivity, disconnect after (minutes): 0

Wireless

Wireless: Enabled

Security

Security: Authentication Only
Authentication Method: Web Authentication
Clean Mac List

Firewall

Firewall policy: Typical Security

OK Apply Cancel Installation Wizard

Fyll i korrekt namn i fältet "**Access point name**". Detta namn får du från bredbandsleverantören. I exemplet ser du namnet för tjänsten hos Telenor.

Fältet "**UMTS connect method**" anger du till "**Always connected**". Fältet "**Wireless**" enabled skall i de allra flesta fall vara urbockad, dvs trådlös WIFI är avaktiverad, avsluta med "**Apply**"

- Klicka på "**Go to Advanced Menu**" i menyn högst upp. Välj sedan "**System**" och "**Network Connections**" i flikmenysystemet:



The screenshot shows the GlobeSurfer III web interface. At the top, there is a navigation bar with icons for Home, Quick Setup, Internet Connection, Local Network, Services, System, Shortcuts, Telephone, and SMS. Below this is a sub-menu with tabs for Overview, Settings, Users, Network Connections (selected), Monitor, Routing, Management, Maintenance, and Objects and Rules. The main content area is titled "System" and "Network Connections". It contains a table with the following data:

Name	Status	Action
LAN Bridge	Connected	 
LAN Ethernet	Connected	
LAN Wireless 802.11g Access Point	Disabled	
WAN Cellular	Status working	

Below the table, there are two buttons: "Quick Setup" and "Status".

- Klicka på "**LAN Bridge**" och därefter på "**Settings**". Du får då upp denna dialog:

The screenshot shows the GlobeSurfer III web interface. At the top, there is a navigation bar with icons for Home, Quick Setup, Internet Connection, Local Network, Services, System, Shortcuts, Telephone, and SMS. Below this is a secondary navigation bar with tabs for Overview, Settings, Users, Network Connections, Monitor, Routing, Management, Maintenance, and Objects and Rules. The main content area is titled "System LAN Bridge Properties" and has sub-tabs for General, Settings, Routing, Bridging, and Advanced. The "General" tab is active, showing the following configuration details:

Device Name:	br0
Status:	Connected
Schedule:	Always
Network:	LAN
Connection Type:	Bridge
Physical Address:	00:0c:e3:68:34:91
MTU:	Automatic 1500

Below these fields are sections for Internet Protocol, DNS Server, and IP Address Distribution, each with its own set of input fields and dropdown menus. At the bottom of the form are buttons for OK, Apply, and Cancel.

Om du vill sätta fasta egna IP-adresser på routerns insida kan det vara lämpligt att ändra "**Start IP Address**" under IP Address Distribution . I exemplet har jag valt att ha DHCP aktivt och starta med IP 192.168.1.100, välj Apply längst ned när du är klar.

På denna sida är det också möjligt att ändra LAN:ets IP-range om det är nödvändigt.

- Om du vill kunna konfigurera routern på distans så väljer du i menysystemet "**System**" sedan "**Management**" och till sist "**Remote Administration**":

The screenshot shows the GlobeSurfer III web management interface. At the top, there is a navigation bar with icons for Home, Quick Setup, Internet Connection, Local Network, Services, System, Shortcuts, Telephone, and SMS. Below this is a secondary navigation bar with tabs for Overview, Settings, Users, Network Connections, Monitor, Routing, Management (selected), Maintenance, and Objects and Rules. The main content area is titled "Remote Administration" and features a warning icon and text: "Allowing remote administration to GlobeSurfer is a security risk." Below the warning are several configuration sections:

- Allow Incoming WAN Access to Web-Management:**
 - Using Primary HTTP Port (80)
 - Using Secondary HTTP Port (8080)
 - Using Primary HTTPS Port (443)
 - Using Secondary HTTPS Port (8443)
- Allow Incoming WAN Access to the Telnet Server:**
 - Using Primary Telnet Port (23)
 - Using Secondary Telnet Port (8023)
 - Using Secure Telnet over SSL Port (992)
- SSH Server:**
 - Enable SSH Server on Port 22
 - Allow Incoming WAN Access
- SNMP:**
 - Enabled
 - Allow Incoming WAN Access to SNMP
- Diagnostic Tools:**
 - Allow Incoming WAN ICMP Echo Requests (e.g. ping) and ICMP broadcasts

Välj den inställning du vill ha och tryck "**Apply**", i detta läge är det MYCKET viktigt att du har satt ett lösenord på routern!

- Om du vill uppgradera programvaran i routern så väljer du i menysystemet "**System**" sedan "**Maintenance**" och till sist "**Upgrade**":



OPTION

GlobeSurfer III

Welcome **admin** | Go to Basic Mode | Site Map | Reboot | Logout | EN English

Home Quick Setup Internet Connection Local Network Services System Shortcuts Telephone SMS

Overview Settings Users Network Connections Monitor Routing Management Maintenance Objects and Rules

Maintenance Upgrade

About GlobeSurfer III | Configuration File | Reboot | Restore Factory Settings Upgrade Diagnostics

 Uploading the firmware upgrade file may take a few minutes.

Upgrade From a Local Computer

Browse to locate the file, then press **Upgrade** to begin the firmware upgrade process.

Firmware Upgrade File

Live update setup

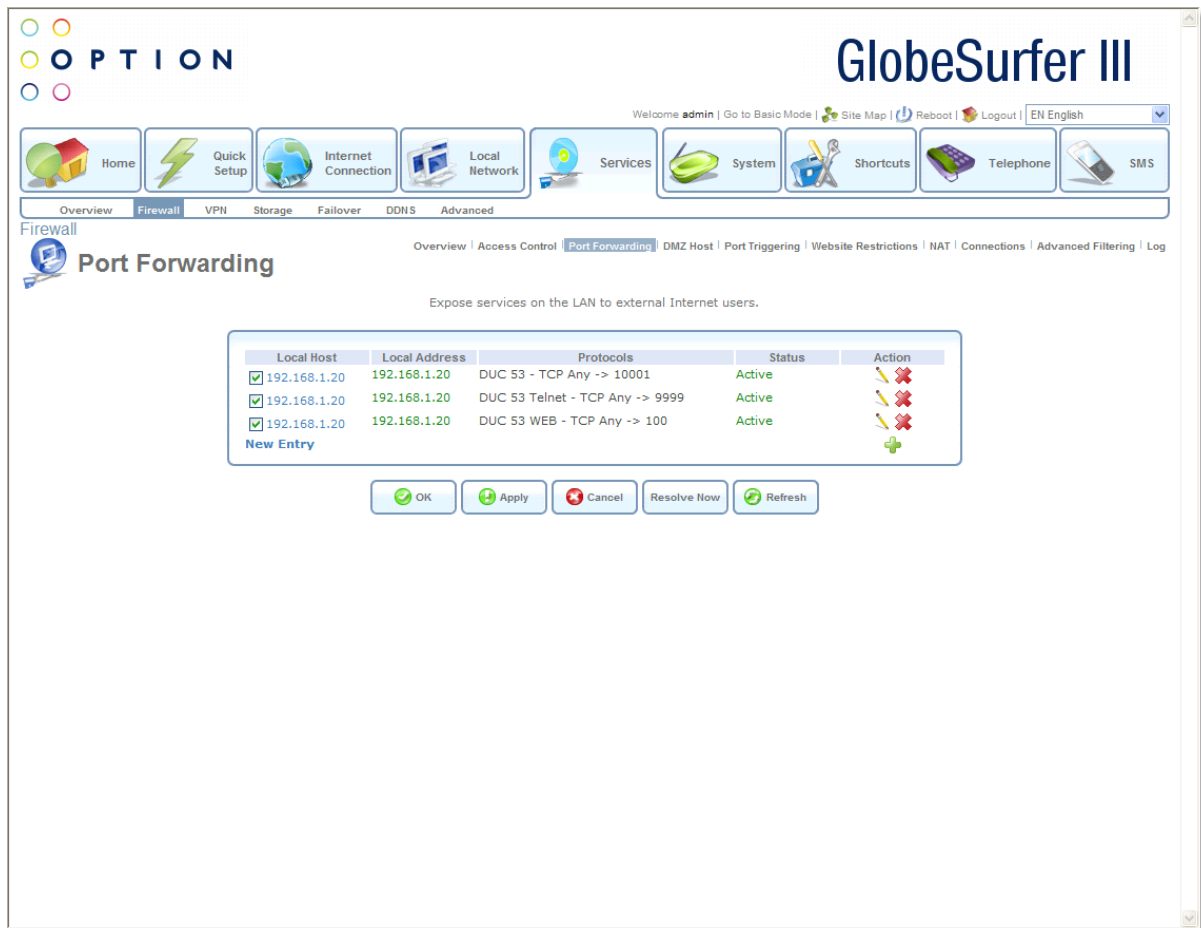
Live update:

Notifier versions

[Download Windows Notifier](#)

Bläddra till uppgraderingsfilen och tryck på **"Upgrade"**.

- För att göra en portmappning från externa nätverket till det interna så väljer du i menysystemet **"Services"** sedan **"Firewall"** och till sist **"Port Forwarding"**:



OPTION

GlobeSurfer III

Welcome **admin** | Go to Basic Mode | Site Map | Reboot | Logout | EN English

Home Quick Setup Internet Connection Local Network Services System Shortcuts Telephone SMS

Overview Firewall VPN Storage Failover DDNS Advanced

Firewall

Port Forwarding

Overview | Access Control | Port Forwarding | DMZ Host | Port Triggering | Website Restrictions | NAT | Connections | Advanced Filtering | Log


Expose services on the LAN to external Internet users.

Local Host	Local Address	Protocols	Status	Action
<input checked="" type="checkbox"/>	192.168.1.20	192.168.1.20	DUC 53 - TCP Any -> 10001	Active
<input checked="" type="checkbox"/>	192.168.1.20	192.168.1.20	DUC 53 Telnet - TCP Any -> 9999	Active
<input checked="" type="checkbox"/>	192.168.1.20	192.168.1.20	DUC 53 WEB - TCP Any -> 100	Active

[New Entry](#)

OK Apply Cancel Resolve Now Refresh

Tryck på "New Entry":

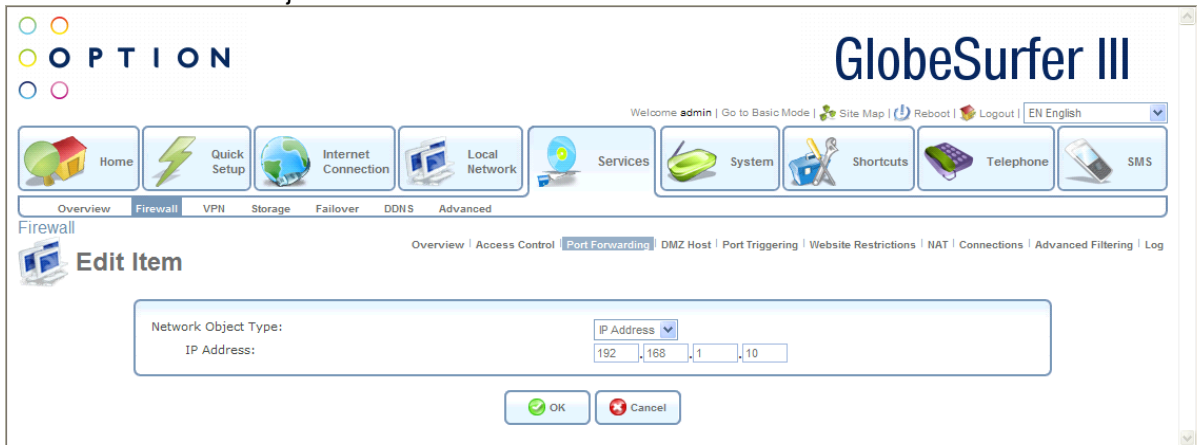


The screenshot shows the 'Add Port Forwarding Rule' configuration page in the GlobeSurfer III web interface. The page is titled 'Add Port Forwarding Rule' and is part of the 'Firewall' section. The configuration fields are as follows:

- Local Host:** A dropdown menu with 'Add...' selected.
- Protocol:** A dropdown menu with 'Any' selected.
- Specify Public IP Address:** An unchecked checkbox.
- Forward to Port:** A dropdown menu with 'Same as Incoming Port' selected.
- Schedule:** A dropdown menu with 'Always' selected.

At the bottom of the form, there are three buttons: 'OK', 'Cancel', and 'Basic <<'. The interface also includes a navigation bar with tabs for Overview, Firewall, VPN, Storage, Failover, DDNS, and Advanced. The 'Firewall' tab is currently selected.

Under "Local Host" välj "User Deifined":

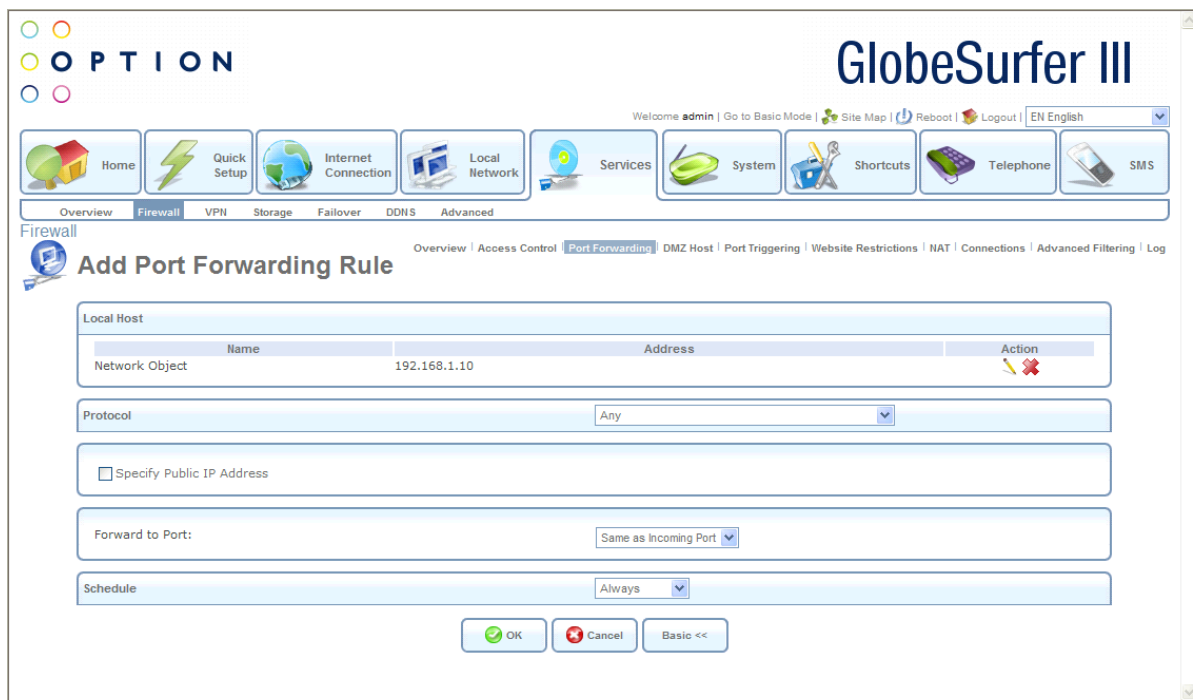


The screenshot shows the 'Edit Item' configuration page in the GlobeSurfer III web interface. The page is titled 'Edit Item' and is part of the 'Firewall' section. The configuration fields are as follows:

- Network Object Type:** A dropdown menu with 'IP Address' selected.
- IP Address:** A text input field with the value '192.168.1.10' entered.

At the bottom of the form, there are two buttons: 'OK' and 'Cancel'. The interface also includes a navigation bar with tabs for Overview, Firewall, VPN, Storage, Failover, DDNS, and Advanced. The 'Firewall' tab is currently selected.

Skriv in IP-adressen på din DUC eller Net-controller och tryck "OK":



OPTION

GlobeSurfer III


Welcome **admin** | Go to Basic Mode | Site Map | Reboot | Logout | EN English

Home Quick Setup Internet Connection Local Network Services System Shortcuts Telephone SMS

Overview Firewall VPN Storage Failover DDNS Advanced

Firewall **Add Port Forwarding Rule** Overview | Access Control | Port Forwarding | DMZ Host | Port Triggering | Website Restrictions | NAT | Connections | Advanced Filtering | Log

Local Host

Name	Address	Action
Network Object	192.168.1.10	 

Protocol: Any

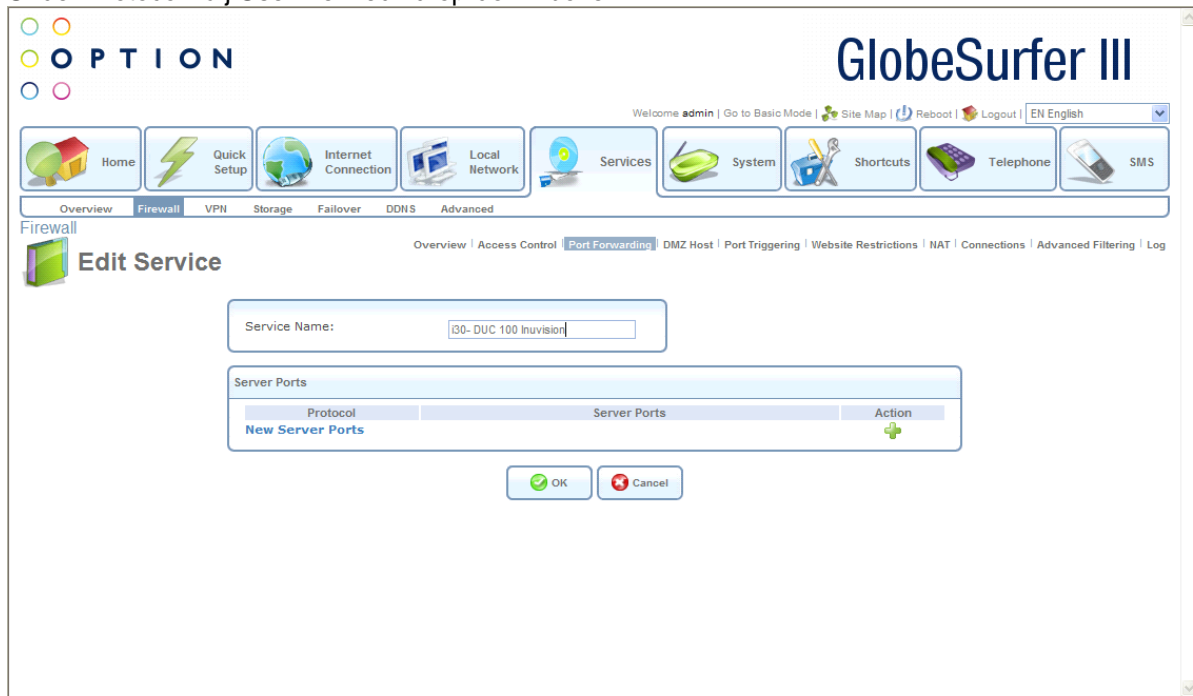
Specify Public IP Address

Forward to Port: Same as Incoming Port

Schedule: Always

OK Cancel Basic <<

Under Protocol välj User Defined i drop-down-boxen:



OPTION

GlobeSurfer III

Welcome **admin** | Go to Basic Mode | Site Map | Reboot | Logout | EN English


Home Quick Setup Internet Connection Local Network Services System Shortcuts Telephone SMS

Overview Firewall VPN Storage Failover DDNS Advanced

Firewall **Edit Service** Overview | Access Control | Port Forwarding | DMZ Host | Port Triggering | Website Restrictions | NAT | Connections | Advanced Filtering | Log

Service Name: 30-DUC 100 Invision

Server Ports

Protocol	Server Ports	Action
New Server Ports		

OK Cancel

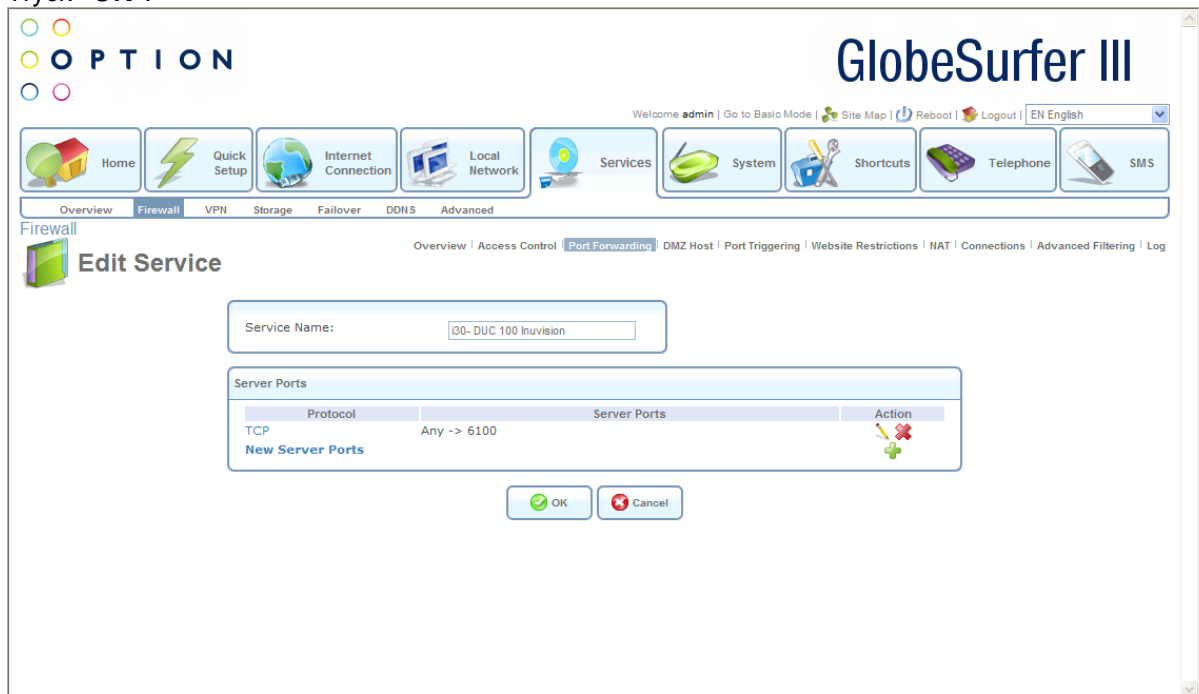
Skriv in det namn på Servicen du vill ha som gör det lätt att identifiera tjänsten, välj sedan "New Server Ports":



Skriv in vilken port som skall användas på UTSIDAN av routern, i exemplet port 6100 (för att symbolisera DUC 100), i INU-vision använder man alltså Routers IP och denna port för att komma åt i30:n.

Fyll i övriga fält enligt exemplet ovan, i de allra flesta fall skall det stå TCP-Any-Single.

Tryck "OK":



Tryck "OK" igen:



OPTION

Welcome **admin** | Go to Basic Mode | Site Map | Reboot | Logout | EN English

Home Quick Setup Internet Connection Local Network Services System Shortcuts Telephone SMS

Overview Firewall VPN Storage Failover DDNS Advanced

Firewall Add Port Forwarding Rule Overview | Access Control | Port Forwarding | DMZ Host | Port Triggering | Website Restrictions | NAT | Connections | Advanced Filtering | Log

Local Host

Name	Address	Action
Network Object	192.168.1.10	

Protocol

Name	Ports	Action
i30- DUC 100 Inuision	TCP Any -> 6100	
Add...		


Specify Public IP Address

Forward to Port: Same as Incoming Port

Schedule: Always

OK Cancel Basic <<

Om du nu vill routa den externa porten (i exemplet 6100) till en annan intern port så ändrar du **"Forward to Port"** till **"Specify"** och anger port (om inte detta visas finns en knapp längst ned som växlar mellan Basic och Advanced, tryck på denna knapp om inte forward to port visas):



OPTION

Welcome **admin** | Go to Basic Mode | Site Map | Reboot | Logout | EN English

Home Quick Setup Internet Connection Local Network Services System Shortcuts Telephone SMS

Overview Firewall VPN Storage Failover DDNS Advanced

Firewall Add Port Forwarding Rule Overview | Access Control | Port Forwarding | DMZ Host | Port Triggering | Website Restrictions | NAT | Connections | Advanced Filtering | Log

Local Host

Name	Address	Action
Network Object	192.168.1.10	

Protocol

Name	Ports	Action
i30- DUC 100 Inuision	TCP Any -> 6100	
Add...		

Specify Public IP Address

Forward to Port: Specify 6001

Schedule: Always

OK Cancel Basic <<

Avsluta nu med att välja "OK" längst ned:



OPTION

GlobeSurfer III

Welcome admin | Go to Basic Mode | Site Map | Reboot | Logout | EN English

Home Quick Setup Internet Connection Local Network Services System Shortcuts Telephone SMS

Overview Firewall VPN Storage Failover DDNS Advanced

Firewall Port Forwarding

Overview | Access Control | Port Forwarding | DMZ Host | Port Triggering | Website Restrictions | NAT | Connections | Advanced Filtering | Log

Expose services on the LAN to external Internet users.

Local Host	Local Address	Protocols	Status	Action
<input checked="" type="checkbox"/>	192.168.1.20	192.168.1.20 DUC 53 - TCP Any -> 10001	Active	 
<input checked="" type="checkbox"/>	192.168.1.20	192.168.1.20 DUC 53 Telnet - TCP Any -> 9999	Active	 
<input checked="" type="checkbox"/>	192.168.1.20	192.168.1.20 DUC 53 WEB - TCP Any -> 100	Active	 
<input checked="" type="checkbox"/>	192.168.1.10	192.168.1.10 i30- DUC 100 Inuision - TCP Any -> 6100	Active	 

New Entry 

Avsluta med att trycka "Apply".

Du har nu skapat följande regel:

Vilken IP som helst får från vilken port som helst anropa routerns IP port 6100 som skickas vidare till 192.168.1.10 port 6001!

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