



How to Share OpenSky™ in LAN by Microsoft ISA 2000



Revision: 1.00

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In order for ISA 2000 to function as intended it is necessary to properly configure the network for TCP/IP communication. ...

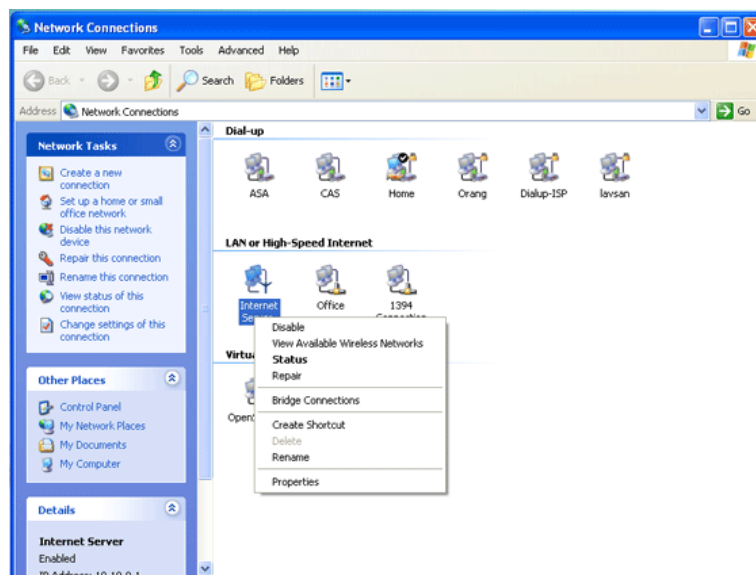
1. The Internet Server gateway/firewall should have at least two interfaces (e.g. Ethernet, RAS, Wireless, Satellite).
2. The interface connecting to the local area network (LAN) requires a manually assigned IP address (e.g. 192.168.0.1) and a subnet mask (e.g. 255.255.255.0).
3. The LAN interface must NOT have a default gateway.
4. All workstations should be in the same IP subnet (e.g. 192.168.0.2, 192.168.0.3...) as the LAN interface of the firewall and must use the firewall's IP address as the default gateway.
5. Each workstation can point to the ISA host for DNS resolution or they may point directly to your ISP's DNS servers.

Server LAN setting

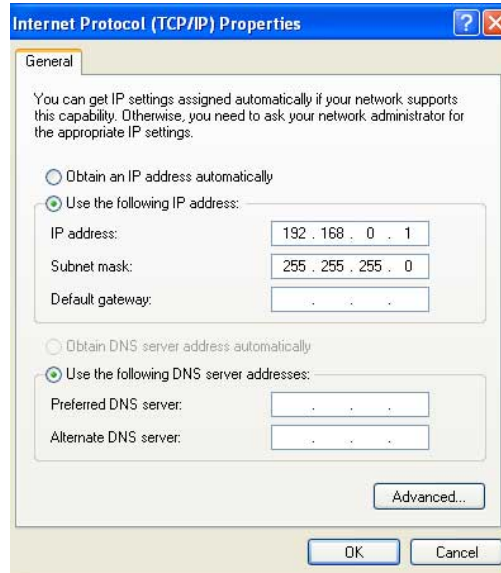
On Server you should set the LAN interface as the figure:

Start->Control Panel -> Network Connection

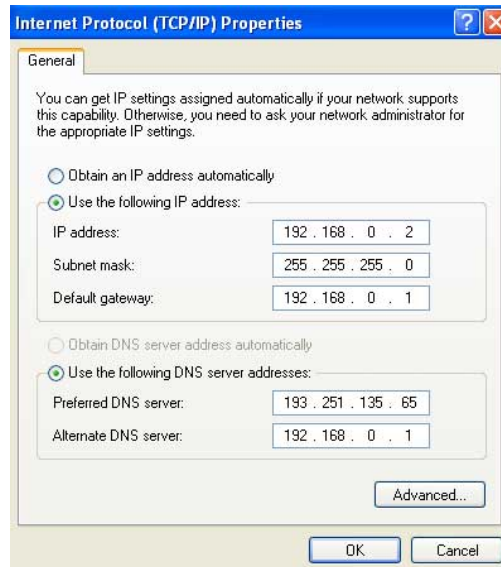
Choose your Ethernet LAN -> Properties



Set IP address and Subnet Mask as the following on the Server:



In your workstation your LAN interface should set as the following:



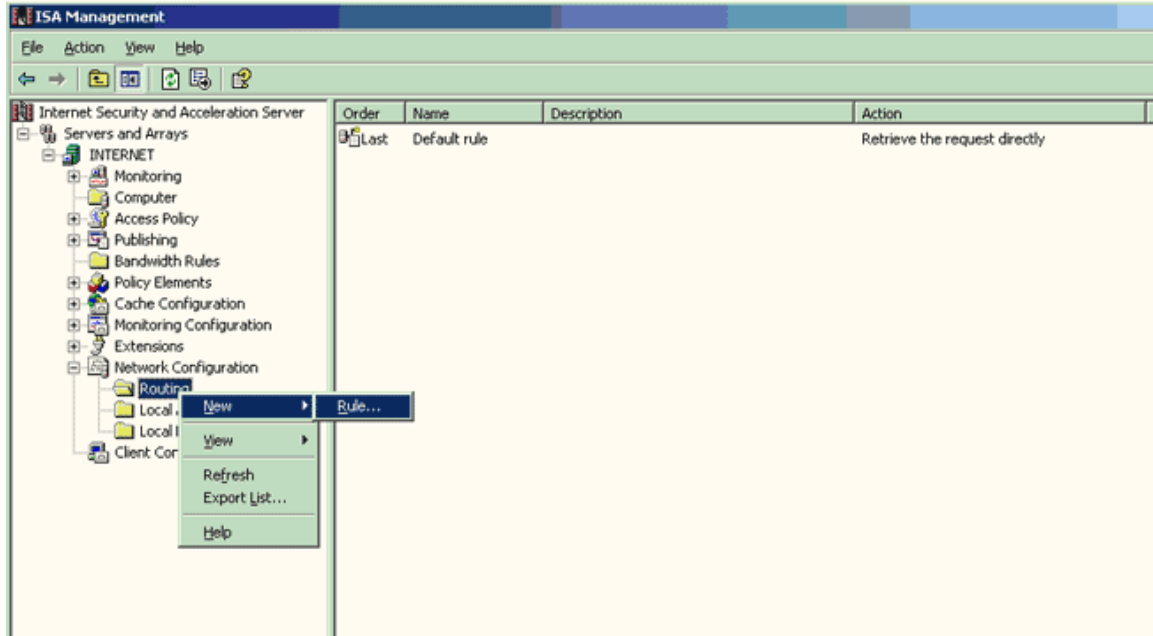
For example: if there are two workstations with one server your IP setting will be as the following table:

Computer	IP address	Subnet mask	Default Gateway
Server	192.168.0.1	255.255.255.0	
WorkStation#1	192.168.0.2	255.255.255.0	192.168.0.1
WorkStation#2	192.168.0.3	255.255.255.0	192.168.0.1

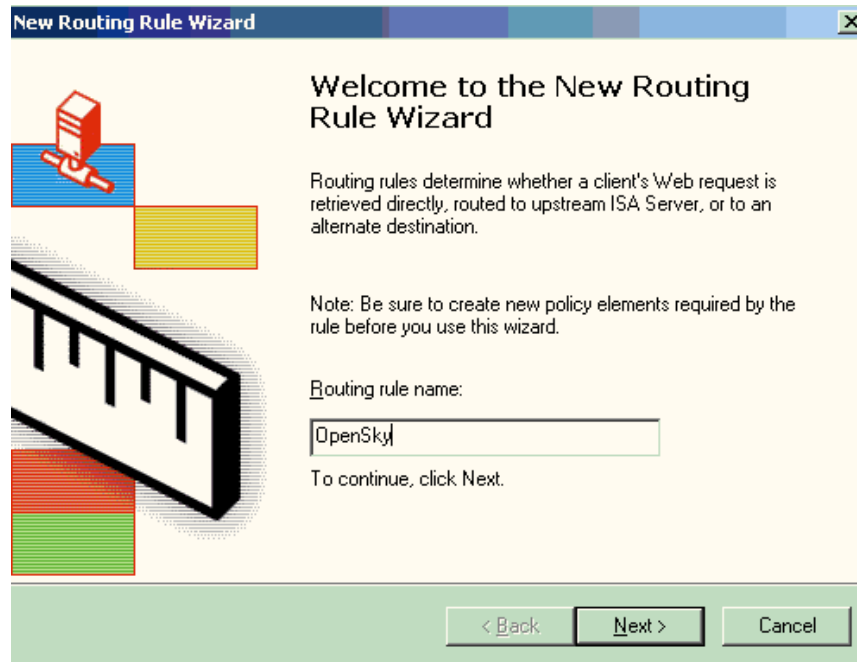
Note :

Please do not use of same IP addresses for workstation , all of workstations have to use of unique IP address.

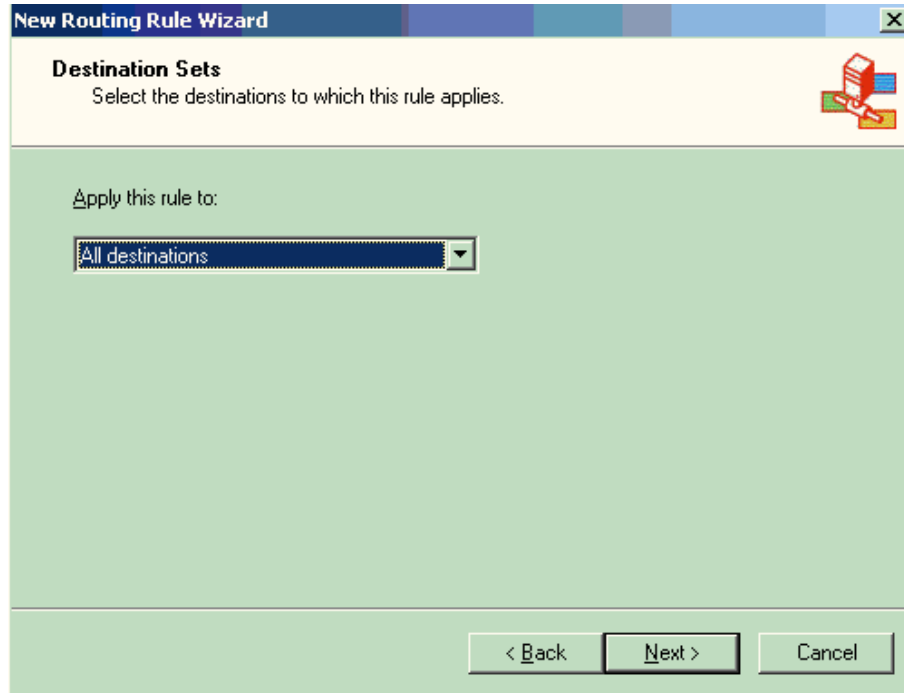
1- Network Configuration -> Routing > New -> Rule ...



2- Make a name for your rule as OpenSky

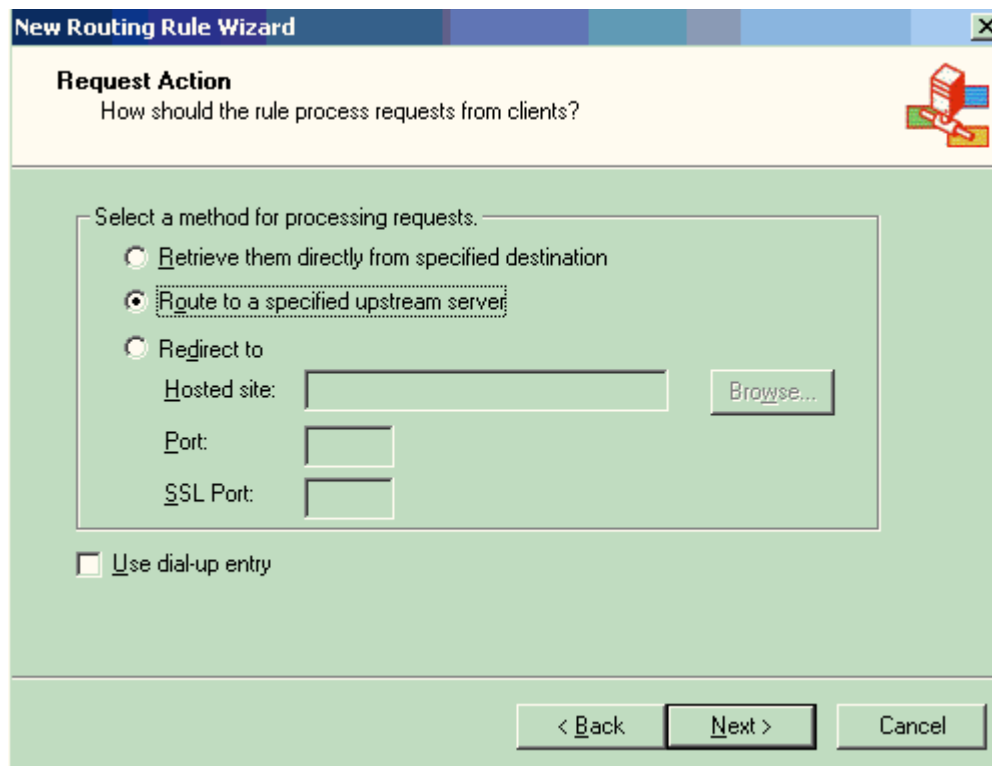


3- Apply this rule to : All destinations



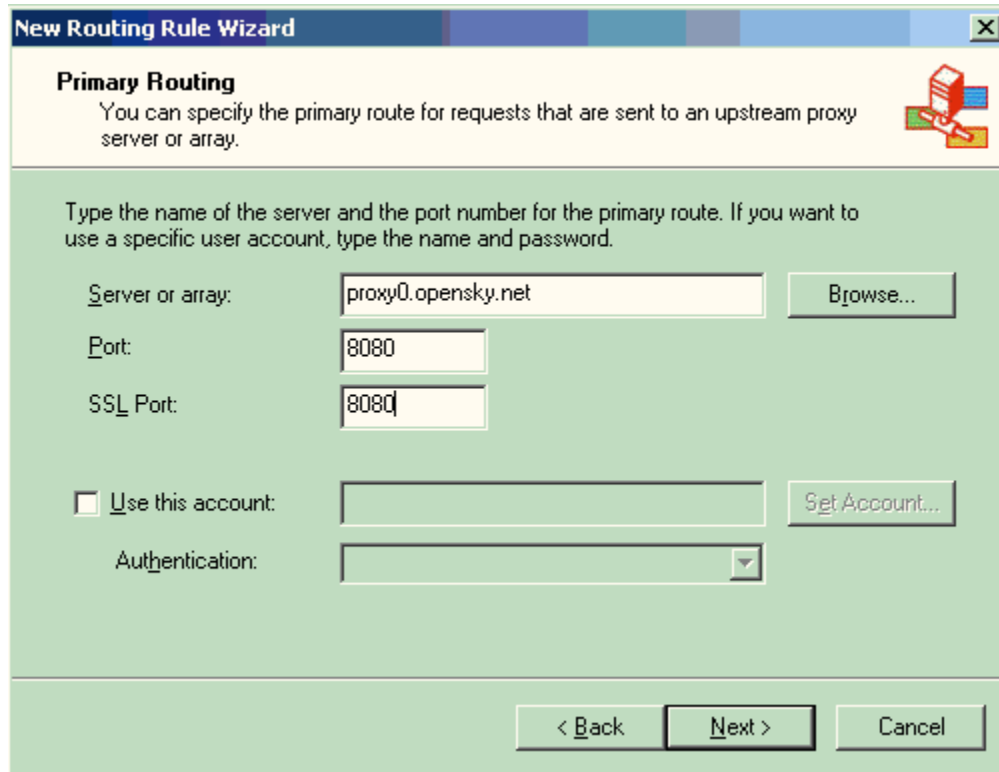
The screenshot shows the 'New Routing Rule Wizard' window, specifically the 'Destination Sets' step. The title bar reads 'New Routing Rule Wizard'. Below the title bar, the section is titled 'Destination Sets' with the instruction 'Select the destinations to which this rule applies.' The main area contains the text 'Apply this rule to:' followed by a dropdown menu that currently displays 'All destinations'. At the bottom of the window, there are three buttons: '< Back', 'Next >', and 'Cancel'.

4- Check “Route to a specified upstream server “



The screenshot shows the 'New Routing Rule Wizard' window, specifically the 'Request Action' step. The title bar reads 'New Routing Rule Wizard'. Below the title bar, the section is titled 'Request Action' with the instruction 'How should the rule process requests from clients?'. The main area contains the text 'Select a method for processing requests.' followed by three radio button options: 'Retrieve them directly from specified destination', 'Route to a specified upstream server' (which is selected), and 'Redirect to'. Below the 'Redirect to' option are three input fields labeled 'Hosted site:', 'Port:', and 'SSL Port:', with a 'Browse...' button next to the 'Hosted site:' field. At the bottom of the main area, there is a checkbox labeled 'Use dial-up entry'. At the bottom of the window, there are three buttons: '< Back', 'Next >', and 'Cancel'.

5- Enter your OpenSky proxy server depended on your Transponder or Satellite :



New Routing Rule Wizard [X]

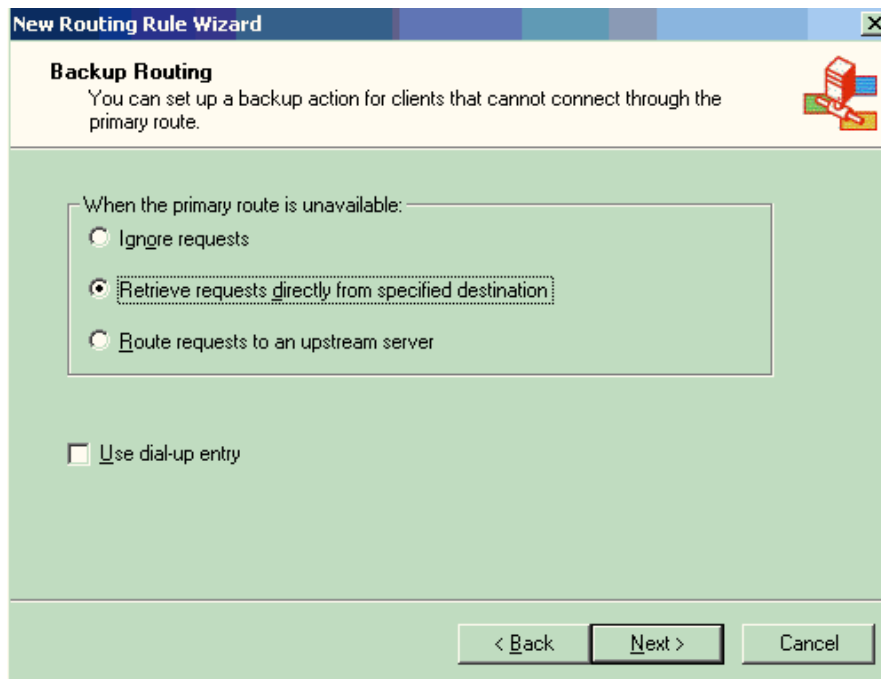
Primary Routing
You can specify the primary route for requests that are sent to an upstream proxy server or array.

Type the name of the server and the port number for the primary route. If you want to use a specific user account, type the name and password.

Server or array: proxy0.opensky.net [Browse...]
Port: 8080
SSL Port: 8080

Use this account: [Set Account...]
Authentication: []

< Back Next > Cancel



New Routing Rule Wizard [X]

Backup Routing
You can set up a backup action for clients that cannot connect through the primary route.


When the primary route is unavailable:

- Ignore requests
- Retrieve requests directly from specified destination
- Route requests to an upstream server

Use dial-up entry

< Back Next > Cancel

New Routing Rule Wizard [X]

Cache Retrieval Configuration 


Specify how the rule searches the cache for requested objects and how requests will be routed if no valid object exists.

Search cache for:

- A valid version of the object; if none exists, retrieve the request using the specified requested action
- Any version of the object; if none exists, retrieve the request using the specified request action
- Any version of the requested object. Never route the request

< Back Next > Cancel

New Routing Rule Wizard [X]

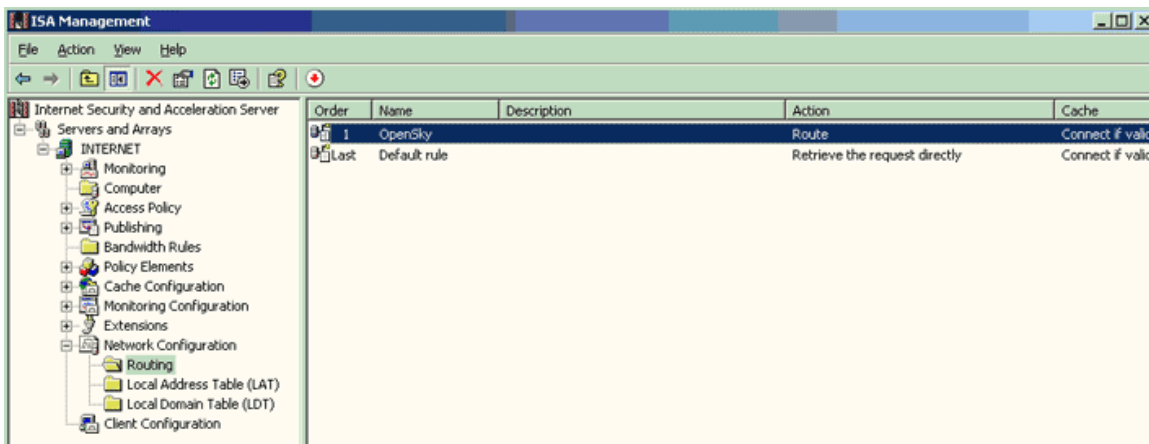
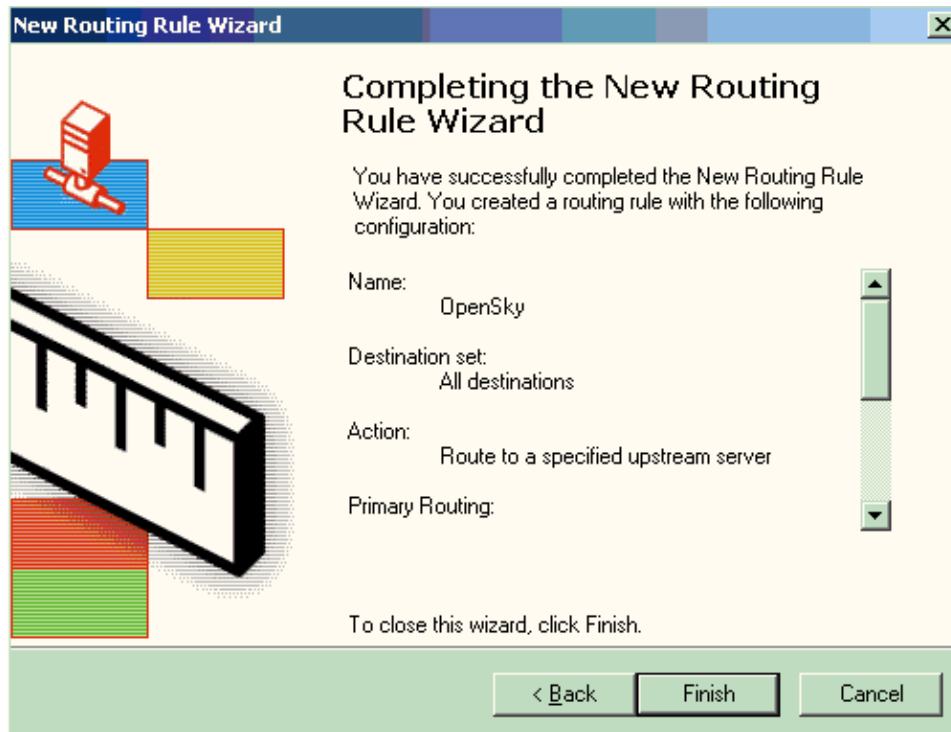
Cache Content Configuration 

Specify whether the object should be stored in the cache. By default, content is cached only if the source and request headers indicate that it should be cached.

Cache content:

- All content, including dynamic content, will be cached.
- If source and request headers indicate to cache, then the content will be cached.
- No content will ever be cached.

< Back Next > Cancel



Now your clients should use of your ISA server depended on which port of ISA is ready to accept the requests , The default is 8080 , it means your workstations should use of 192.168.0.1 Port 8080 then please add in workstation browsers the address of ISA .

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