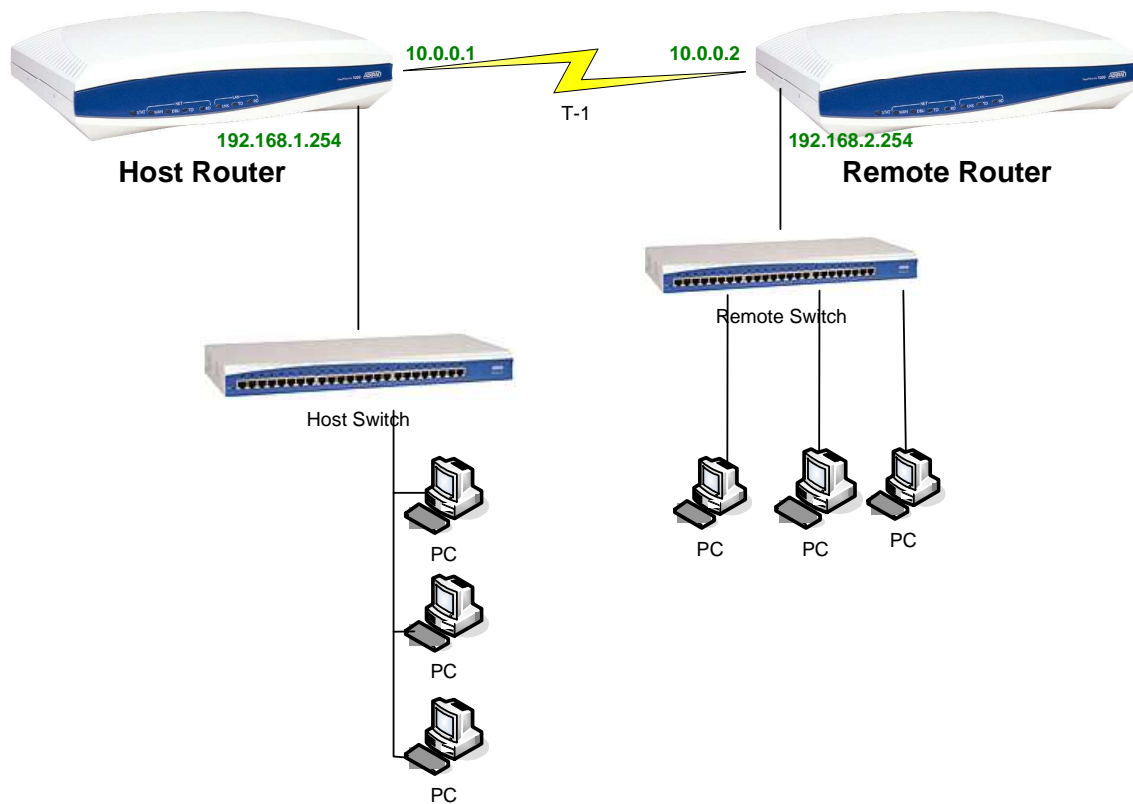


Netvanta 3200/3205: Routing across the WAN



Overview

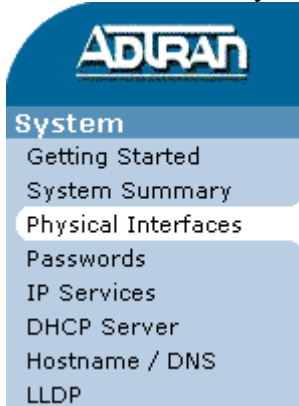
This application drawing shows how to use NetVanta 3200s or NetVanta 3205s in a scenario where there is a point-to-point T-1 that is used for data. The IP addresses used in the configuration script and configuration steps are just examples and maybe modified to fit your network.

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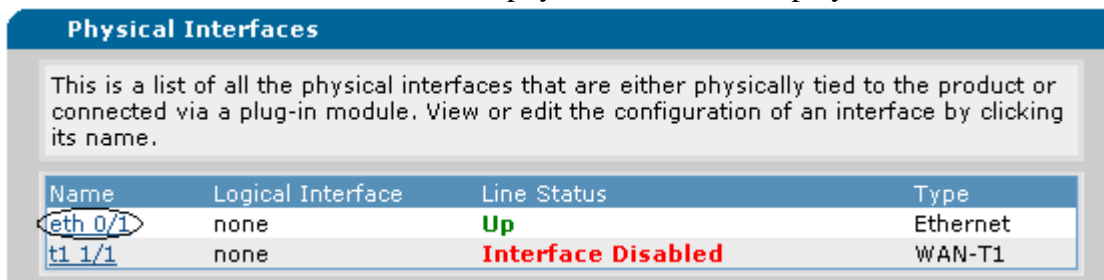
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Configuration steps using the web interface for NetVanta 3200/3205 "Host Router":

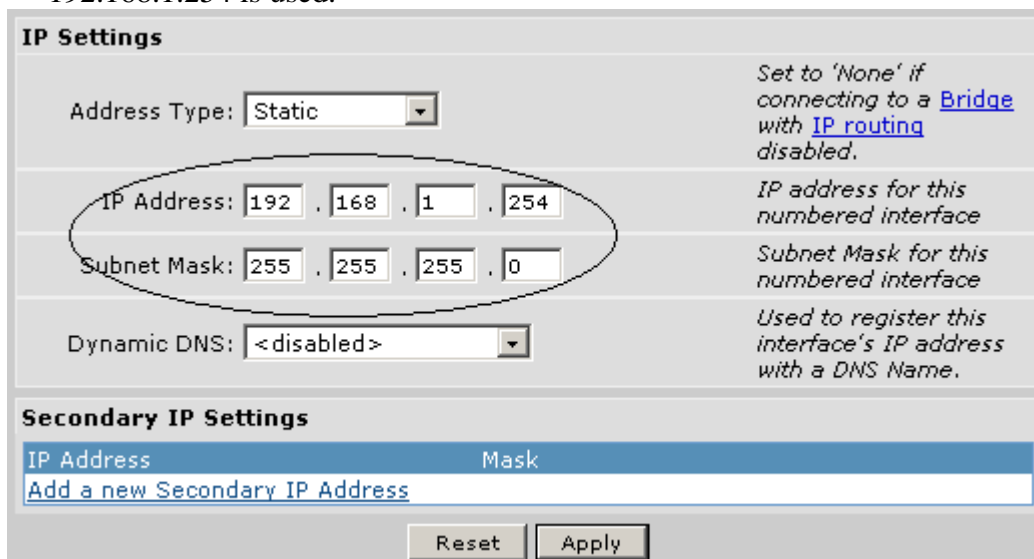
1. Choose "Physical Interfaces" from the left hand side menu options.



2. Choose "eth 0/1" from the list of physical interfaces displayed.



3. Under the "IP Settings" section type in the new "IP Address" and "Subnet Mask" you would like to use. In the application drawings example the IP address 192.168.1.254 is used.



4. Press the "Apply" button.

IP Settings

Address Type: *Set to 'None' if connecting to a [Bridge](#) with [IP routing](#) disabled.*

IP Address: , , , *IP address for this numbered interface*

Subnet Mask: , , , *Subnet Mask for this numbered interface*

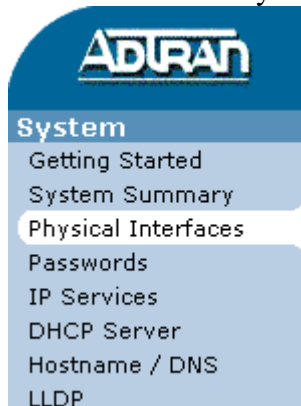
Dynamic DNS: *Used to register this interface's IP address with a DNS Name.*

Secondary IP Settings

IP Address	Mask
Add a new Secondary IP Address	

Note: If you choose to change the IP address of Ethernet 0/1, you will need to change the IP address of your workstation to an IP on the same network as Ethernet 0/1 to continue configuring the router.

5. Choose "Physical Interfaces" from the left hand side menu options.



6. Choose "t1 1/1" from the list of physical interfaces displayed.

Physical Interfaces

This is a list of all the physical interfaces that are either physically tied to the product or connected via a plug-in module. View or edit the configuration of an interface by clicking its name.

Name	Logical Interface	Line Status	Type
eth 0/1	none	Up	Ethernet
t1 1/1	none	Interface Disabled	WAN-T1

7. Checked the box next to "Enable".

Configuration for T1 1/1

Basic configuration for the T1 interface.

Description:	<input type="text"/>	Description label (optional)
Enable:	<input checked="" type="checkbox"/>	Enable or disable this interface
Clocking:	<input type="text" value="Line"/>	Select the source timing for this interface
Framing:	<input type="text" value="ESF"/>	Select the framing that matches the network provider framing format ?
Coding:	<input type="text" value="B8ZS"/>	Select the coding that matches the network provider line coding
FDL:	<input type="text" value="ANSI"/>	Select the format for the facility data link channel ?
Data DS0s:	<input type="text" value="None"/> to <input type="text"/>	Select the DS0s to map to the Router ?
DS0 Speed:	<input type="text" value="64Kbps"/>	Select the speed for the DS0s in the DS0 Map
Encapsulation:	<input type="radio"/> PPP <input type="radio"/> Frame Relay <input type="radio"/> HDLC	Interface connects to a PPP, Frame Relay, or HDLC circuit ?
Multilink:	<input type="checkbox"/>	Enable multilink for the selected encapsulation (PPP or Frame Relay) ?

8. Next to “Clocking” choose “Internal”.

Configuration for T1 1/1

Basic configuration for the T1 interface.

Description:	<input type="text"/>	Description label (optional)
Enable:	<input checked="" type="checkbox"/>	Enable or disable this interface
Clocking:	<input type="text" value="Internal"/>	Select the source timing for this interface
Framing:	<input type="text" value="ESF"/>	Select the framing that matches the network provider framing format ?
Coding:	<input type="text" value="B8ZS"/>	Select the coding that matches the network provider line coding
FDL:	<input type="text" value="ANSI"/>	Select the format for the facility data link channel ?
Data DS0s:	<input type="text" value="None"/> to <input type="text"/>	Select the DS0s to map to the Router ?
DS0 Speed:	<input type="text" value="64Kbps"/>	Select the speed for the DS0s in the DS0 Map
Encapsulation:	<input type="radio"/> PPP <input type="radio"/> Frame Relay <input type="radio"/> HDLC	Interface connects to a PPP, Frame Relay, or HDLC circuit ?
Multilink:	<input type="checkbox"/>	Enable multilink for the selected encapsulation (PPP or Frame Relay) ?

9. Choose "1" in the first drop down next to "Data DS0s" and "24" in the second drop down.

Configuration for T1 1/1

Basic configuration for the T1 interface.

Description:	<input type="text"/>	Description label (optional)
Enable:	<input checked="" type="checkbox"/>	Enable or disable this interface
Clocking:	<input type="text" value="Internal"/>	Select the source timing for this interface
Framing:	<input type="text" value="ESF"/>	Select the framing that matches the network provider framing format ?
Coding:	<input type="text" value="B8ZS"/>	Select the coding that matches the network provider line coding
FDL:	<input type="text" value="ANSI"/>	Select the format for the facility data link channel ?
Data DS0s:	<input type="text" value="1"/> to <input type="text" value="24"/>	Select the DS0s to map to the Router ?
DS0 Speed:	<input type="text" value="64Kbps"/>	Select the speed for the DS0s in the DS0 Map
Encapsulation:	<input type="radio"/> PPP <input type="radio"/> Frame Relay <input type="radio"/> HDLC	Interface connects to a PPP, Frame Relay, or HDLC circuit ?
Multilink:	<input type="checkbox"/>	Enable multilink for the selected encapsulation (PPP or Frame Relay) ?

10. Choose "PPP" next to "Encapsulation".

Configuration for T1 1/1

Basic configuration for the T1 interface.

Description:	<input type="text"/>	Description label (optional)
Enable:	<input checked="" type="checkbox"/>	Enable or disable this interface
Clocking:	<input type="text" value="Internal"/>	Select the source timing for this interface
Framing:	<input type="text" value="ESF"/>	Select the framing that matches the network provider framing format ?
Coding:	<input type="text" value="B8ZS"/>	Select the coding that matches the network provider line coding
FDL:	<input type="text" value="ANSI"/>	Select the format for the facility data link channel ?
Data DS0s:	<input type="text" value="1"/> to <input type="text" value="24"/>	Select the DS0s to map to the Router ?
DS0 Speed:	<input type="text" value="64Kbps"/>	Select the speed for the DS0s in the DS0 Map
Encapsulation:	<input checked="" type="radio"/> PPP <input type="radio"/> Frame Relay <input type="radio"/> HDLC	Interface connects to a PPP, Frame Relay, or HDLC circuit ?
Multilink:	<input type="checkbox"/>	Enable multilink for the selected encapsulation (PPP or Frame Relay) ?

11. Press "Apply" and new screen will appear that is titled "PPP Configuration for ppp 1".

Configuration for T1 1/1

Basic configuration for the T1 interface.

Description:	<input type="text"/>	<i>Description label (optional)</i>
Enable:	<input checked="" type="checkbox"/>	<i>Enable or disable this interface</i>
Clocking:	<input type="text" value="Internal"/>	<i>Select the source timing for this interface</i>
Framing:	<input type="text" value="ESF"/>	<i>Select the framing that matches the network provider framing format</i> ?
Coding:	<input type="text" value="B8ZS"/>	<i>Select the coding that matches the network provider line coding</i>
FDL:	<input type="text" value="ANSI"/>	<i>Select the format for the facility data link channel</i> ?
Data DS0s:	<input type="text" value="1"/> to <input type="text" value="24"/>	<i>Select the DS0s to map to the Router</i> ?
DS0 Speed:	<input type="text" value="64Kbps"/>	<i>Select the speed for the DS0s in the DS0 Map</i>
Encapsulation:	<input checked="" type="radio"/> PPP <input type="radio"/> Frame Relay <input type="radio"/> HDLC	<i>Interface connects to a PPP, Frame Relay, or HDLC circuit</i> ?
Multilink:	<input type="checkbox"/>	<i>Enable multilink for the selected encapsulation (PPP or Frame Relay)</i> ?

12. Under the "IP Settings" section change "Address Type" to "Static".

The screenshot shows the "IP Settings" configuration page. The "Address Type" dropdown menu is set to "Static" and is circled in red. The "IP Address" and "Subnet Mask" fields are both set to "0 . 0 . 0 . 0". The "Dynamic DNS" dropdown is set to "<disabled>". The "Secondary IP Settings" section is visible below, with a table header for "IP Address" and "Mask" and a link to "Add a new Secondary IP Address". "Reset" and "Apply" buttons are at the bottom.

IP Settings	
Address Type: <input type="text" value="Static"/>	Set to 'None' if connecting to a Bridge with IP routing disabled.
IP Address: <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/>	IP address for this numbered interface
Subnet Mask: <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/>	Subnet Mask for this numbered interface
Dynamic DNS: <input type="text" value="<disabled>"/>	Used to register this interface's IP address with a DNS Name.

Secondary IP Settings	
IP Address	Mask
Add a new Secondary IP Address	

Reset Apply

13. Fill in the "IP Address" and "Subnet Mask" you would like to use. In the example it would be 10.0.0.1 and 255.255.255.252

The screenshot shows the "IP Settings" configuration page with the "IP Address" field set to "10 . 0 . 0 . 1" and the "Subnet Mask" field set to "255 . 255 . 255 . 252". Both fields are circled in red. The "Address Type" dropdown is set to "Static". The "Dynamic DNS" dropdown is set to "<disabled>". The "Secondary IP Settings" section is visible below, with a table header for "IP Address" and "Mask" and a link to "Add a new Secondary IP Address". "Reset" and "Apply" buttons are at the bottom.

IP Settings	
Address Type: <input type="text" value="Static"/>	Set to 'None' if connecting to a Bridge with IP routing disabled.
IP Address: <input type="text" value="10"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="1"/>	IP address for this numbered interface
Subnet Mask: <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="252"/>	Subnet Mask for this numbered interface
Dynamic DNS: <input type="text" value="<disabled>"/>	Used to register this interface's IP address with a DNS Name.

Secondary IP Settings	
IP Address	Mask
Add a new Secondary IP Address	

Reset Apply

14. Press "Apply".

IP Settings

Address Type: *Set to 'None' if connecting to a [Bridge](#) with [IP routing](#) disabled.*

IP Address: . . . *IP address for this numbered interface*

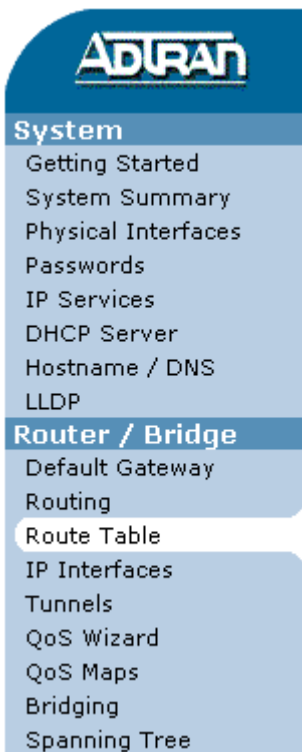
Subnet Mask: . . . *Subnet Mask for this numbered interface*

Dynamic DNS: *Used to register this interface's IP address with a DNS Name.*

Secondary IP Settings

IP Address	Mask
Add a new Secondary IP Address	

15. Choose "Route Table" from the left hand side menu options.



16. Fill in 192.168.2.0 for the "Destination Address" and 255.255.255.0 for the "Destination Mask".

Add a Static Route to the Route Table

Static Routes are often required to reach networks that are not learned via a dynamic routing protocol. Enter the appropriate information below to add a static route or click on a route below to use it as a template for a new route. [IP Routing](#) must be enabled in order to add static routes.

Destination Address:	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="2"/> . <input type="text" value="0"/>	Enter the network to add to the route table.
Destination Mask:	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>	Enter the appropriate mask for this network.
Gateway:		
<input checked="" type="radio"/> Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>	Enter the gateway address to reach this network. - OR -
<input type="radio"/> Interface	<Select Interface>	Select the interface to be used as the gateway.
Administrative Distance (optional):	<input type="text"/>	The Distance metric for this network. (Optional parameter)

17. Choose "Address" under "Gateway" and type 10.0.0.2

Add a Static Route to the Route Table

Static Routes are often required to reach networks that are not learned via a dynamic routing protocol. Enter the appropriate information below to add a static route or click on a route below to use it as a template for a new route. [IP Routing](#) must be enabled in order to add static routes.

Destination Address:	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="2"/> . <input type="text" value="0"/>	Enter the network to add to the route table.
Destination Mask:	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>	Enter the appropriate mask for this network.
Gateway:		
<input checked="" type="radio"/> Address	<input type="text" value="10"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="2"/>	Enter the gateway address to reach this network. - OR -
<input type="radio"/> Interface	<Select Interface>	Select the interface to be used as the gateway.
Administrative Distance (optional):	<input type="text"/>	The Distance metric for this network. (Optional parameter)

18. Press "Add".

Add a Static Route to the Route Table

Static Routes are often required to reach networks that are not learned via a dynamic routing protocol. Enter the appropriate information below to add a static route or click on a route below to use it as a template for a new route. [IP Routing](#) must be enabled in order to add static routes.

Destination Address:	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="2"/> . <input type="text" value="0"/>	<i>Enter the network to add to the route table.</i>
Destination Mask:	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>	<i>Enter the appropriate mask for this network.</i>
Gateway:		
<input checked="" type="radio"/> Address	<input type="text" value="10"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="2"/>	<i>Enter the gateway address to reach this network.</i>
<input type="radio"/> Interface	<input type="text" value="<Select Interface>"/>	<i>- OR - Select the interface to be used as the gateway.</i>
Administrative Distance (optional):	<input type="text"/>	<i>The Distance metric for this network. (Optional parameter)</i>

19. Configuration is now done and all that left to do is choose "Save" in the upper right hand corner.



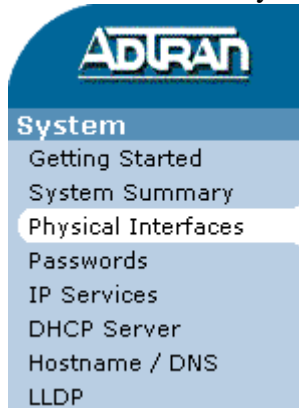
Configuration Script for the NetVanta 3200/3205 “Host Router”:

```
!  
!  
hostname "HostRouter"  
enable password adtran  
!  
ip subnet-zero  
ip classless  
ip routing  
!  
event-history on  
no logging forwarding  
no logging email  
logging email priority-level info  
!  
username "admin" password "adtran"  
!  
ip policy-timeout tcp telnet 14400  
!  
!  
!  
!  
!  
!  
!  
!  
!  
!  
interface eth 0/1  
  ip address 192.168.1.254 255.255.255.0  
  no shutdown  
!  
!  
!  
interface t1 1/1  
  clock source internal  
  tdm-group 1 timeslots 1-24 speed 64  
  no shutdown  
!  
interface ppp 1  
  ip address 10.0.0.1 255.255.255.252  
  no shutdown  
  cross-connect 1 t1 1/1 1 ppp 1  
!
```

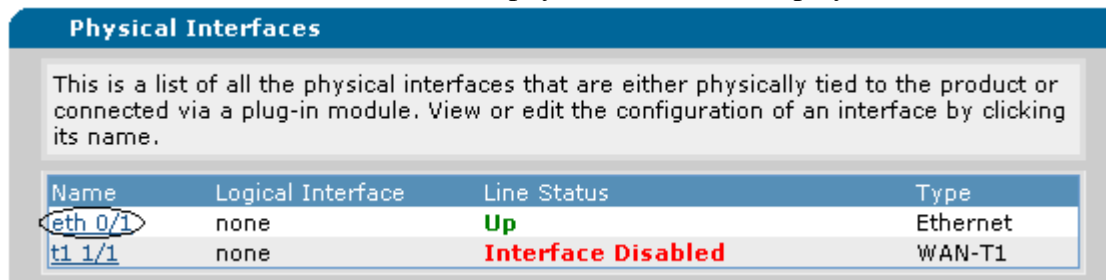
```
!  
!  
!  
!  
ip route 192.168.2.0 255.255.255.0 10.0.0.2  
!  
no ip n-form agent  
ip http server  
no ip http secure-server  
no ip snmp agent  
no ip ftp agent  
!  
!  
!  
!  
!  
!  
!  
line con 0  
  no login  
!  
line telnet 0 4  
  login  
  password adtran  
!  
end
```

Configuration steps using the web interface for NetVanta 3200/3205 "Remote Router":

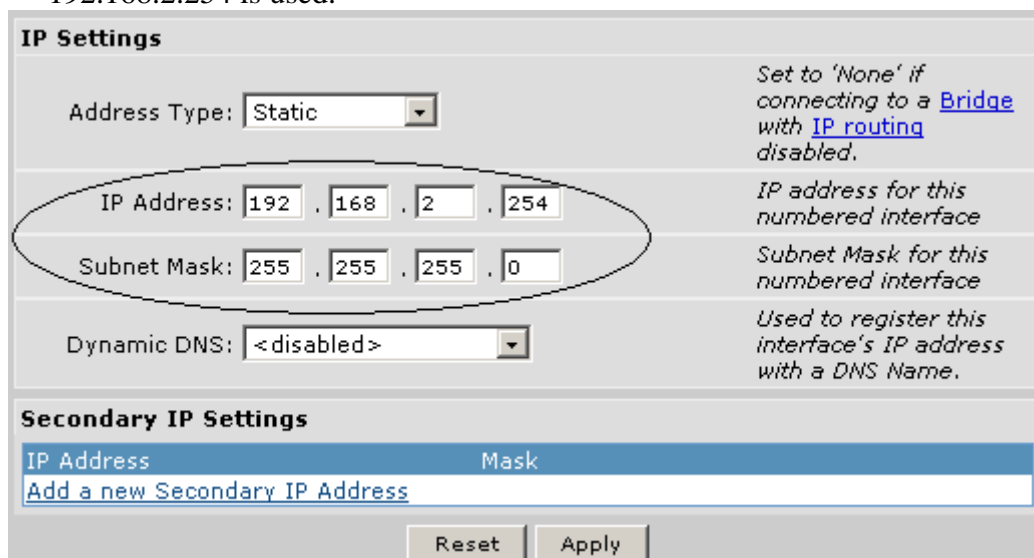
1. Choose "Physical Interfaces" from the left hand side menu options.



2. Choose "eth 0/1" from the list of physical interfaces displayed.



3. Under the "IP Settings" section type in the new "IP Address" and "Subnet Mask" you would like to use. In the application drawings example, the IP address 192.168.2.254 is used.



4. Press the "Apply" button.

IP Settings

Address Type: *Set to 'None' if connecting to a [Bridge](#) with [IP routing](#) disabled.*

IP Address: . . . *IP address for this numbered interface*

Subnet Mask: . . . *Subnet Mask for this numbered interface*

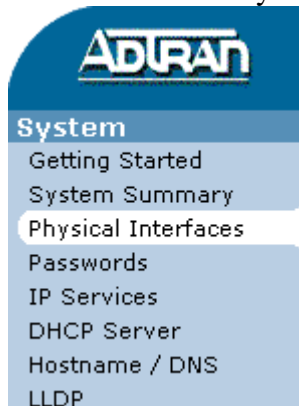
Dynamic DNS: *Used to register this interface's IP address with a DNS Name.*

Secondary IP Settings

IP Address	Mask
Add a new Secondary IP Address	

Note: If you choose to change the IP address of Ethernet 0/1, you will need to change the IP address of your workstation to an IP on the same network as Ethernet 0/1 to continue configuring the router.

5. Choose "Physical Interfaces" from the left hand side menu options.



6. Choose "t1 1/1" from the list of physical interfaces displayed.

Physical Interfaces

This is a list of all the physical interfaces that are either physically tied to the product or connected via a plug-in module. View or edit the configuration of an interface by clicking its name.

Name	Logical Interface	Line Status	Type
eth 0/1	none	Up	Ethernet
t1 1/1	none	Interface Disabled	WAN-T1

7. Check the box next to "Enable", to enable the interface.

Configuration for T1 1/1

Basic configuration for the T1 interface.

Description:	<input type="text"/>	Description label (optional)
Enable:	<input checked="" type="checkbox"/>	Enable or disable this interface
Clocking:	<input type="text" value="Line"/>	Select the source timing for this interface
Framing:	<input type="text" value="ESF"/>	Select the framing that matches the network provider framing format ?
Coding:	<input type="text" value="B8ZS"/>	Select the coding that matches the network provider line coding
FDL:	<input type="text" value="ANSI"/>	Select the format for the facility data link channel ?
Data DS0s:	<input type="text" value="None"/> to <input type="text"/>	Select the DS0s to map to the Router ?
DS0 Speed:	<input type="text" value="64Kbps"/>	Select the speed for the DS0s in the DS0 Map
Encapsulation:	<input type="radio"/> PPP <input type="radio"/> Frame Relay <input type="radio"/> HDLC	Interface connects to a PPP, Frame Relay, or HDLC circuit ?
Multilink:	<input type="checkbox"/>	Enable multilink for the selected encapsulation (PPP or Frame Relay) ?

8. Select "1" in the "Data DS0s" drop down list and "24" in the second drop down.

Configuration for T1 1/1

Basic configuration for the T1 interface.

Description:	<input type="text"/>	Description label (optional)
Enable:	<input checked="" type="checkbox"/>	Enable or disable this interface
Clocking:	Line	Select the source timing for this interface
Framing:	ESF	Select the framing that matches the network provider framing format ?
Coding:	B8ZS	Select the coding that matches the network provider line coding
FDL:	ANSI	Select the format for the facility data link channel ?
Data DS0s:	1 to 24	Select the DS0s to map to the Router ?
DS0 Speed:	64Kbps	Select the speed for the DS0s in the DS0 Map
Encapsulation:	<input type="radio"/> PPP <input type="radio"/> Frame Relay <input type="radio"/> HDLC	Interface connects to a PPP, Frame Relay, or HDLC circuit ?
Multilink:	<input type="checkbox"/>	Enable multilink for the selected encapsulation (PPP or Frame Relay) ?

Reset Apply

9. Choose "PPP" from the "Encapsulation" options.

Configuration for T1 1/1

Basic configuration for the T1 interface.

Description:	<input type="text"/>	<i>Description label (optional)</i>
Enable:	<input checked="" type="checkbox"/>	<i>Enable or disable this interface</i>
Clocking:	<input type="text" value="Line"/>	<i>Select the source timing for this interface</i>
Framing:	<input type="text" value="ESF"/>	<i>Select the framing that matches the network provider framing format</i> ?
Coding:	<input type="text" value="B8ZS"/>	<i>Select the coding that matches the network provider line coding</i>
FDL:	<input type="text" value="ANSI"/>	<i>Select the format for the facility data link channel</i> ?
Data DS0s:	<input type="text" value="1"/> to <input type="text" value="24"/>	<i>Select the DS0s to map to the Router</i> ?
DS0 Speed:	<input type="text" value="64Kbps"/>	<i>Select the speed for the DS0s in the DS0 Map</i>
Encapsulation:	<input checked="" type="radio"/> PPP <input type="radio"/> Frame Relay <input type="radio"/> HDLC	<i>Interface connects to a PPP, Frame Relay, or HDLC circuit</i> ?
Multilink:	<input type="checkbox"/>	<i>Enable multilink for the selected encapsulation (PPP or Frame Relay)</i> ?

10. Press "Apply" and a new screen will appear to configure the PPP interface.

Configuration for T1 1/1

Basic configuration for the T1 interface.

Description:	<input type="text"/>	<i>Description label (optional)</i>
Enable:	<input checked="" type="checkbox"/>	<i>Enable or disable this interface</i>
Clocking:	<input type="text" value="Line"/>	<i>Select the source timing for this interface</i>
Framing:	<input type="text" value="ESF"/>	<i>Select the framing that matches the network provider framing format</i> ?
Coding:	<input type="text" value="B8ZS"/>	<i>Select the coding that matches the network provider line coding</i>
FDL:	<input type="text" value="ANSI"/>	<i>Select the format for the facility data link channel</i> ?
Data DS0s:	<input type="text" value="1"/> to <input type="text" value="24"/>	<i>Select the DS0s to map to the Router</i> ?
DS0 Speed:	<input type="text" value="64Kbps"/>	<i>Select the speed for the DS0s in the DS0 Map</i>
Encapsulation:	<input checked="" type="radio"/> PPP <input type="radio"/> Frame Relay <input type="radio"/> HDLC	<i>Interface connects to a PPP, Frame Relay, or HDLC circuit</i> ?
Multilink:	<input type="checkbox"/>	<i>Enable multilink for the selected encapsulation (PPP or Frame Relay)</i> ?

11. Under the "IP Settings" section change the "Address Type" to "Static".

The screenshot shows the "IP Settings" configuration window. The "Address Type" dropdown menu is set to "Static" and is circled in red. The "IP Address" and "Subnet Mask" fields are both set to "0 . 0 . 0 . 0". The "Dynamic DNS" dropdown is set to "<disabled>". To the right of these fields are explanatory notes: "Set to 'None' if connecting to a Bridge with IP routing disabled.", "IP address for this numbered interface", "Subnet Mask for this numbered interface", and "Used to register this interface's IP address with a DNS Name." Below the "IP Settings" section is the "Secondary IP Settings" section, which includes a table with columns for "IP Address" and "Mask", a link "Add a new Secondary IP Address", and "Reset" and "Apply" buttons.

12. Fill in the "IP Address" and "Subnet Mask" you would like to use. In the application drawings example the IP address and subnet mask would be 10.0.0.2 and 255.255.255.252 respectively.

The screenshot shows the "IP Settings" configuration window with the "IP Address" field set to "10 . 0 . 0 . 2" and the "Subnet Mask" field set to "255 . 255 . 255 . 252". Both fields are circled in red. The "Address Type" dropdown is still set to "Static". The "Dynamic DNS" dropdown is set to "<disabled>". The explanatory notes on the right are the same as in the previous screenshot. The "Secondary IP Settings" section is also visible at the bottom, including the "Add a new Secondary IP Address" link and "Reset" and "Apply" buttons.

13. Press "Apply", when done.

IP Settings

Address Type: Set to 'None' if connecting to a [Bridge](#) with [IP routing](#) disabled.

IP Address: . . . IP address for this numbered interface

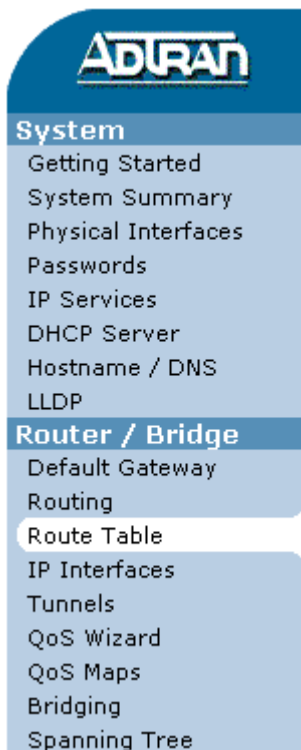
Subnet Mask: . . . Subnet Mask for this numbered interface

Dynamic DNS: Used to register this interface's IP address with a DNS Name.

Secondary IP Settings

IP Address	Mask
Add a new Secondary IP Address	

14. Choose "Route Table" from the left hand side menu options.



15. Using the information for the application drawings example, fill in 0.0.0.0 for the "Destination Address" and 0.0.0.0 for the "Destination Mask".

Add a Static Route to the Route Table

Static Routes are often required to reach networks that are not learned via a dynamic routing protocol. Enter the appropriate information below to add a static route or click on a route below to use it as a template for a new route. [IP Routing](#) must be enabled in order to add static routes.

Destination Address:	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	Enter the network to add to the route table.
Destination Mask:	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	Enter the appropriate mask for this network.
Gateway:		
<input checked="" type="radio"/> Address	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Enter the gateway address to reach this network. - OR -
<input type="radio"/> Interface	<Select Interface>	Select the interface to be used as the gateway.
Administrative Distance (optional):	<input type="text"/>	The Distance metric for this network. (Optional parameter)

16. Choose "Address" under the "Gateway" and type 10.0.0.1

Add a Static Route to the Route Table

Static Routes are often required to reach networks that are not learned via a dynamic routing protocol. Enter the appropriate information below to add a static route or click on a route below to use it as a template for a new route. [IP Routing](#) must be enabled in order to add static routes.

Destination Address:	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	Enter the network to add to the route table.
Destination Mask:	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	Enter the appropriate mask for this network.
Gateway:		
<input checked="" type="radio"/> Address	<input type="text" value="10"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="1"/>	Enter the gateway address to reach this network. - OR -
<input type="radio"/> Interface	<Select Interface>	Select the interface to be used as the gateway.
Administrative Distance (optional):	<input type="text"/>	The Distance metric for this network. (Optional parameter)

17. Press "Add".

Add a Static Route to the Route Table

Static Routes are often required to reach networks that are not learned via a dynamic routing protocol. Enter the appropriate information below to add a static route or click on a route below to use it as a template for a new route. [IP Routing](#) must be enabled in order to add static routes.

Destination Address:	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	Enter the network to add to the route table.
Destination Mask:	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	Enter the appropriate mask for this network.
Gateway:		
<input checked="" type="radio"/> Address	<input type="text" value="10"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="1"/>	Enter the gateway address to reach this network. - OR -
<input type="radio"/> Interface	<Select Interface> ▾	Select the interface to be used as the gateway.
Administrative Distance (optional):	<input type="text"/>	The Distance metric for this network. (Optional parameter)

18. Configuration is now done and all that left to do is choose "Save" in the upper right hand corner.



Configuration Script for the NetVanta 3200/3205 "Remote Router":

```
!  
!  
hostname "RemoteRouter"  
enable password adtran  
!  
ip subnet-zero  
ip classless  
ip routing  
!  
event-history on  
no logging forwarding  
no logging email  
logging email priority-level info  
!  
username "admin" password "adtran"  
!  
ip policy-timeout tcp telnet 14400  
!  
!  
!  
!  
!  
!  
!  
!  
!  
!  
!  
interface eth 0/1  
  ip address 192.168.2.254 255.255.255.0  
  no shutdown  
!  
!  
!  
interface t1 1/1  
  tdm-group 1 timeslots 1-24 speed 64  
  no shutdown  
!  
interface ppp 1  
  ip address 10.0.0.2 255.255.255.252  
  no shutdown  
  cross-connect 1 t1 1/1 1 ppp 1  
!  
!
```

```
!  
!  
!  
!  
ip route 0.0.0.0 0.0.0.0 10.0.0.1  
!  
no ip n-form agent  
ip http server  
no ip http secure-server  
no ip snmp agent  
no ip ftp agent  
!  
!  
!  
!  
!  
!  
!  
line con 0  
  no login  
!  
line telnet 0 4  
  login  
  password adtran  
!  
end
```