

QUERY ROUTES

The QUERY ROUTES command enables you to inspect the current contents of the routing table.

Syntax: Query ROUTes [,ID=*id*|IPaddr=*ip4addr*] [,SYSlst]

Arguments: ID= - The ID of the route statement to be displayed. If you do not specify the ID= parameter or the IPADDR= parameter, all route table entries are displayed.

IPaddr= - Specifies the full TCP/IP network address to be displayed. The routing table is searched and the first matched entry is displayed. If you do not specify the ID= parameter or the IPADDR= parameter, all route table entries are displayed.

SYSlst - If specified, the results of this request are sent to SYSLST. If omitted, the results are displayed on the console.

Example:

```
IPN237I query routes
IPN253I << TCP/IP Routes >>
IPN448I ID: *Internal          Link ID: *Internal
IPN449I IP Address: 127.0.0.0 Mask: 255.0.0.0
IPN450I Net: 127.0.0.0 Subnet: -- Host: --
IPN875I MTU: 32767 Max Seg: 32727 Pulse: 60s
IPN876I SYN Retran: 100ms Data Retran: 100ms Fixed: Yes
IPN877I Retran Min: 100ms Max: 100ms
IPN882I Retry Delay: 100ms Retries 10
IPN884I RWin: 65534
IPN448I ID: *Internal001      Link ID: *Internal
IPN449I IP Address: 192.168.1.161 Mask: 255.255.255.0
IPN450I Net: 192.168.1.0 Subnet: -- Host: 0.0.0.161
IPN875I MTU: 32767 Max Seg: 32727 Pulse: 60s
IPN876I SYN Retran: 100ms Data Retran: 100ms Fixed: Yes
IPN877I Retran Min: 100ms Max: 100ms
IPN882I Retry Delay: 100ms Retries 10
IPN884I RWin: 65534
IPN448I ID: LOCAL            Link ID: LINK3172, 0
IPN449I IP Address: 192.168.1.0 Mask: 255.255.255.0
IPN450I Net: 192.168.1.0 Subnet: -- Host: --
IPN875I MTU: 5040 Max Seg: 5000 Pulse: 60s
IPN876I SYN Retran: 1000ms Data Retran: 1000ms Fixed: No
IPN877I Retran Min: 500ms Max: 2000ms
IPN882I Retry Delay: 500ms Retries 50
IPN884I RWin: 65535
IPN448I ID: DEFAULT          Link ID: LINK3172, 0
IPN449I IP Address: 0.0.0.0 Mask: 255.255.255.0
IPN450I Net: -- Subnet: -- Host: --
IPN537I Gateway IP Address: 192.168.1.1
IPN875I MTU: 0 Max Seg: 1400 Pulse: 60s
IPN876I SYN Retran: 1000ms Data Retran: 1000ms Fixed: No
IPN877I Retran Min: 500ms Max: 2000ms
IPN882I Retry Delay: 500ms Retries 50
IPN884I RWin: 65535
```

QUERY ROUTES *(continued)*

Example:

```
IPN237I query route,ipaddr=192.168.1.66
IPN253I << TCP/IP Routes >>
IPN449I   IP Address: 192.168.1.66 Mask: 255.255.255.0
IPN450I   Net: 192.168.1.0 Subnet: -- Host: 0.0.0.66
IPN448I   ID: LOCAL          Link ID: LINK3172, 0
IPN449I   IP Address: 192.168.1.0 Mask: 255.255.255.0
IPN450I   Net: 192.168.1.0 Subnet: -- Host: --
IPN875I   MTU: 5040 Max Seg: 5000 Pulse: 60s
IPN876I   SYN Retran: 1000ms Data Retran: 1000ms Fixed: No
IPN877I   Retran Min: 500ms Max: 2000ms
IPN882I   Retry Delay: 500ms Retries 50
IPN884I   RWin: 65535
```

- Notes:
- You can use the QUERY ROUTES command with the IPADDR parameter to help determine which link *TCP/IP for VSE* uses for that IP address. The routing table is searched in order and the first matching entry is displayed, which is the same algorithm that *TCP/IP for VSE* uses when it needs to send a packet into the network.
 - Routes whose ID begins with "*" were automatically generated to control internal routing of datagrams within the stack.

Related	DEFINE MASK	- Create a subnet mask for a particular network.
Commands:	DEFINE ROUTE	- Add an entry to the TCP/IP routing table.
