

# QUERY CONNECTIONS

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The QUERY CONNECTIONS command returns detailed information about the status of *TCP/IP* for *VSE* connections.

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Syntax: Query CONnections [,IPAddr=*ip4addr*] [,FPort=*port*] [,LPort=*port*]  
[,SState={Listen|Established}] [,EXTended] [,Trace] [,SYSlst]

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- Arguments:
- IPAddr= - If specified, only connections for the specific address are displayed..
  - FPort= - If specified, the display is limited to connections using this foreign port.
  - LPort= - If specified, the display is limited to connections using this local port.
  - SState= - This parameter allows the display to be limited by the state of the connection.
    - Listen - Only connections in the “listen” state will be displayed.
    - Established - Only established connections are displayed. This includes connections that are in the process of terminating..
  - EXTended - This parameter causes extended information on the connection to be displayed. If omitted, only summary information is shown.
  - Trace - This parameter causes inclusion of a “mini trace” showing the previous few inbound and/or outbound datagrams.
  - SYSlst - If specified, the results of this request are sent to SYSLST. If omitted, the results are displayed on the console.
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## Example:

```
IPN237I query connections
IPN253I << TCP/IP Connections >>
IPT353I >21 0.0.0.0, 0 TCP 0 Listen
IPT345I Open by FTPDAEMN in F4 Ident: C59A9E0A96075000
IPT356I Total sockets: RECV: 0 (0); SEND: 0 (0); STAT: 0; CLOSE: 0 ABORT: 0 CNTL: 0
IPT353I >21 192.168.1.66, 3911 TCP 0 Established
IPT345I Open by FTPDAEMN in F4 Ident: C59A952773C1E000
IPT341I Start: 13:57:54 Idle: 0.020 Duration: 2.579
IPT356I Total sockets: RECV: 12 (43); SEND: 12 (535); STAT: 12; CLOSE: 0 ABORT: 0 CNTL: 12
IPT360I Socket RECV 0 bytes, Duration: 0.656 Timeout: 1/00:00:03.663
IPT353I >515 0.0.0.0, 0 TCP 0 Listen
IPT345I Open by LPD in F4 Ident: C599C9ACA0687000
IPT356I Total sockets: RECV: 0 (0); SEND: 0 (0); STAT: 0; CLOSE: 0 ABORT: 0 CNTL: 0
```

## QUERY CONNECTIONS (continued)

Example:

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IPN237I query connections,extended
IPN253I << TCP/IP Connections >>
IPT353I >21 0.0.0.0, 0 TCP 0 Listen
IPT345I Open by FTPDAEMN in F4 Ident: C59A9E0A96075000
IPT356I Total sockets: RECV: 0 (0); SEND: 0 (0); STAT: 0; CLOSE: 0 ABORT: 0 CNTL: 0
IPT353I >21 192.168.1.66, 3911 TCP 0 Established
IPT345I Open by FTPDAEMN in F4 Ident: C59A952773C1E000
IPT341I Start: 13:57:54 Idle: 10.595 Duration: 13.154
IPT342I Send IS: 70F02774 Data: 535
IPT342I Recv IS: F06E1465 Data: 43
IPT343I Route: LOCAL; MTU: 1,500; Send MSS: 1,460 (1,460); Recv MSS: 1,460; Buffer: 65,534/1,825
IPT344I Send: 25 blocks, 536 bytes. Retrans: 0 blocks, 0 bytes. Eff: 34%
IPT344I Recv: 16 blocks, 44 bytes. Duplicate: 0 blocks, 0 bytes. Eff: 6%
IPT350I Send Window: 70F0298C thru 70F12774; 65,000 bytes. Max: 65,535. Closed: 0. Time closed: 0.000
IPT350I Recv Window: F06E1491 thru F06F148F; 65,534 bytes. Max: 65,534. Closed: 0. Time closed: 0.000
IPT347I Fixed Retrans; Init: 1,000/1,000; Limit: 500/2,000; Delay: 500; Retries: 50
IPT348I Retran Start: 1,000; Times: 0; Current: Off; Blocks: 0; Cost: 0 sec
IPT349I Pulse: Enabled; Interval: 60 sec; Count: 0
IPT352I Roundtrip: Min: 2 ms; Max: 217 ms; Last: 217 ms
IPT356I Queued sockets: RECV: 1 (0); SEND: 0 (0); STAT: 0; CLOSE: 0 ABORT: 0 CNTL: 0
IPT356I Total sockets: RECV: 12 (43); SEND: 12 (535); STAT: 12; CLOSE: 0 ABORT: 0 CNTL: 12
IPT360I Socket RECV 0 bytes, Duration: 11.231 Timeout: 23:59:53.088
IPT353I >515 0.0.0.0, 0 TCP 0 Listen
IPT345I Open by LPD in F4 Ident: C599C9ACA0687000
IPT356I Total sockets: RECV: 0 (0); SEND: 0 (0); STAT: 0; CLOSE: 0 ABORT: 0 CNTL: 0
```

Example:

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IPN237I query connections,lport=21,trace
IPN253I << TCP/IP Connections >>
IPT353I >21 0.0.0.0, 0 TCP 0 Listen
IPT345I Open by FTPDAEMN in F4 Ident: C59A9E0A96075000
IPT356I Total sockets: RECV: 0 (0); SEND: 0 (0); STAT: 0; CLOSE: 0 ABORT: 0 CNTL: 0
IPT353I >21 192.168.1.66, 3911 TCP 0 Established
IPT345I Open by FTPDAEMN in F4 Ident: C59A952773C1E000
IPT341I Start: 13:57:54 Idle: 0.000 Duration: 1:02.563
IPT356I Total sockets: RECV: 12 (43); SEND: 12 (535); STAT: 12; CLOSE: 0 ABORT: 0 CNTL: 12
IPT360I Socket RECV 0 bytes, Duration: 1:00.640 Timeout: 23:59:03.679
IPT357I RECV: F06E1485 A: 70F02909 W: FE6B D: 0000 C: 10 ACK
IPT357I RECV: F06E1485 A: 70F02909 W: FE6B D: 0006 C: 18 ACK,PSH
IPT357I SEND: 70F02909 A: F06E148B W: FFFE D: 0031 C: 18 ACK,PSH
IPT357I RECV: F06E148B A: 70F0293A W: FE3A D: 0000 C: 10 ACK
IPT357I RECV: F06E148B A: 70F0293A W: FE3A D: 0006 C: 18 ACK,PSH
IPT357I SEND: 70F0293A A: F06E1491 W: FFF8 D: 0000 C: 10 ACK
IPT357I SEND: 70F0293A A: F06E1491 W: FFFE D: 0000 C: 10 ACK
IPT357I SEND: 70F0293A A: F06E1491 W: FFFE D: 0035 C: 18 ACK,PSH
IPT357I RECV: F06E1491 A: 70F0296F W: FE05 D: 0000 C: 10 ACK
IPT357I SEND: 70F0296F A: F06E1491 W: FFFE D: 001D C: 18 ACK,PSH
IPT357I RECV: F06E1491 A: 70F0298C W: FDE8 D: 0000 C: 10 (002) ACK
IPT357I SEND: 70F0298B A: F06E1491 W: FFFE D: 0000 C: 10 * ACK
```

Related Commands:	DEFINE SOTRACE	- Start a Socket Trace.
	DEFINE TRACE	- Start a Datagram Trace
	FLUSH	- Terminate all processing with a specific remote host.
	PORTQUEUE	- Controls how inbound connection requests are queued for an application.