

# See-TCP/IP

## Overview

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# See-TCP/IP

**See-TCP/IP allows you to analyze the activity and performance of your z/VSE and TCP/IP systems from an easy-to-use PC graphical user interface.**

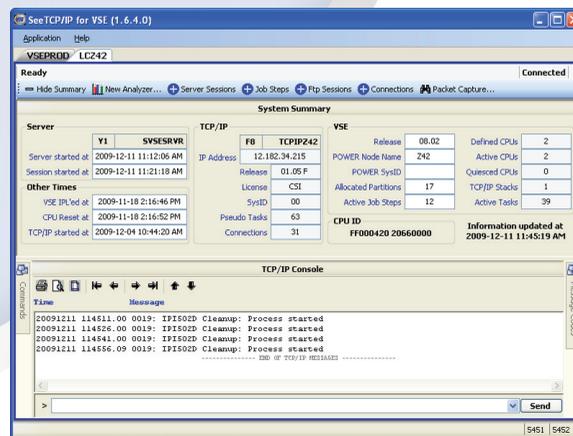
- See-TCP/IP answers questions like
  - ✓ What is the current CPU usage of my z/VSE system?
  - ✓ What was CPU usage yesterday at 3:00 pm?
  - ✓ What was the CPU trend for the last two months?
  - ✓ Which partitions are using the most resources?
  
- See-TCP/IP collects
  - ✓ VSE Turbo Dispatcher Statistics
    - ✧ CPU waiting-for-work time
    - ✧ CPU non-parallel busy time
    - ✧ CPU parallel busy time
    - ✧ CPU overhead from other LPARs or VM
  - ✓ VSE System Statistics
    - ✧ Start subchannel requests
    - ✧ I/O interrupts
    - ✧ Phase loads
    - ✧ SVC usage
    - ✧ Program checks
    - ✧ External interrupts
  - ✓ VSE Partition Statistics
    - ✧ Jobname, stepname
    - ✧ Start I/O counts
    - ✧ CPU usage
  - ✓ TCP/IP Statistics
    - ✧ Graphical display of overall IP activity
    - ✧ Detailed information on active connections
      - IP addresses
      - Local and foreign ports
      - Bytes sent and received
      - Retransmits
      - SWS silly window
      - Current and maximum window sizes
    - ✧ Historical Reporting
      - Stored in SQL database
      - With graphical display
      - Provides trend analysis



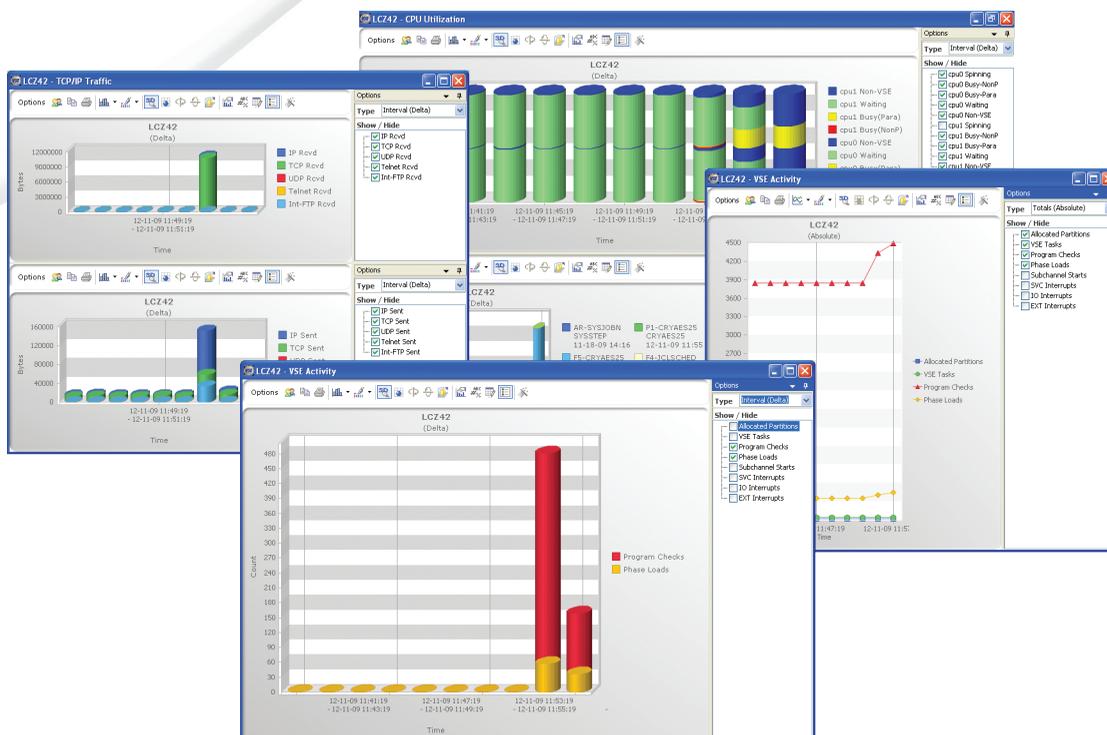
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# See-TCP/IP

- See-TCP/IP can be used to
  - ✓ Graph overall IP datagram activity real-time
  - ✓ Show IP datagram activity by Telnet, FTP, HTTP, and any other local IP applications running on z/VSE
  - ✓ Identify which foreign IP addresses are connected to z/VSE
- See-TCP/IP Screens
  - ✓ See-TCP/IP creates graphical and tabular reports on a Windows/XP PC with network access to the z/VSE system.

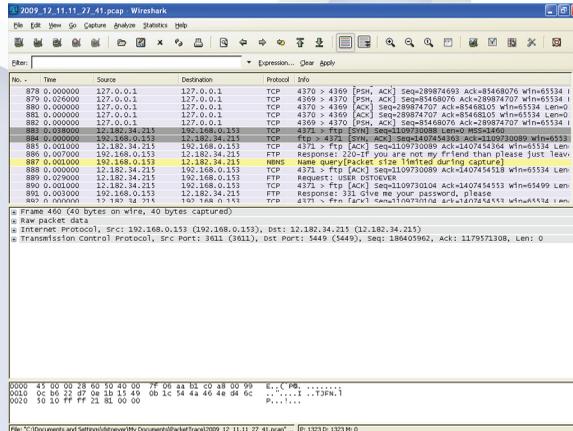


- ✓ See-TCP/IP generates graphical reports of various kinds; for example, line graphs and bar graphs.



# See-TCP/IP

- ✓ See-TCP/IP collects IP datagrams and sends them to Wireshark, which then displays the information.



- ✓ See-TCP/IP can create tabular reports that show IP connections into z/VSE.

The screenshot shows the LCZ42 - TCP/IP Foreign IPs report. The report displays a table of IP connections with columns for Poll Time, Inbound IP, Inbound TCP, Inbound UDP, Inbound ICMP, Outbound IP, Outbound TCP, and Outbound UDP. The report is sorted by IP Address, and the selected IP address is 192.168.0.153.

Poll Time	Inbound IP	Inbound TCP	Inbound UDP	Inbound ICMP	Outbound IP	Outbound TCP	Outbound UDP
2009-12-11 11:43 AM	37185085	37105087	79998	0	63359259	63359259	0
2009-12-11 11:45 AM	37200333	37120335	79998	0	63395058	63395058	0
2009-12-11 11:47 AM	37213421	37133423	79998	0	63425602	63425602	0
2009-12-11 11:49 AM	37226869	37146871	79998	0	63456690	63456690	0
2009-12-11 11:51 AM	37239957	37159959	79998	0	63487746	63487746	0
2009-12-11 11:53 AM	37253045	37173047	79998	0	63518354	63518354	0
2009-12-11 11:55 AM	51010717	50927137	83580	0	64320873	64320873	0
2009-12-11 11:57 AM	51053041	50969461	83580	0	64394125	64394125	0
2009-12-11 11:59 AM	51066129	50982549	83580	0	64424789	64424789	0
2009-12-11 12:01 PM	51082457	50998877	83580	0	64459437	64459437	0

- System Requirements
  - ✓ CSI's TCP/IP for VSE (does not run on other TCP/IP stacks)
  - ✓ PC running Windows 2000 or above on a network that can access the z/VSE system
- See-TCP/IP is an optional product that is included with your TCP/IP for VSE distribution—simply obtain a product key code for activation