

vTrace User Manual v0.2

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Based on vTrace version 3.7.3.1

vTrace is a free traceroute application. This manual documents vTrace.

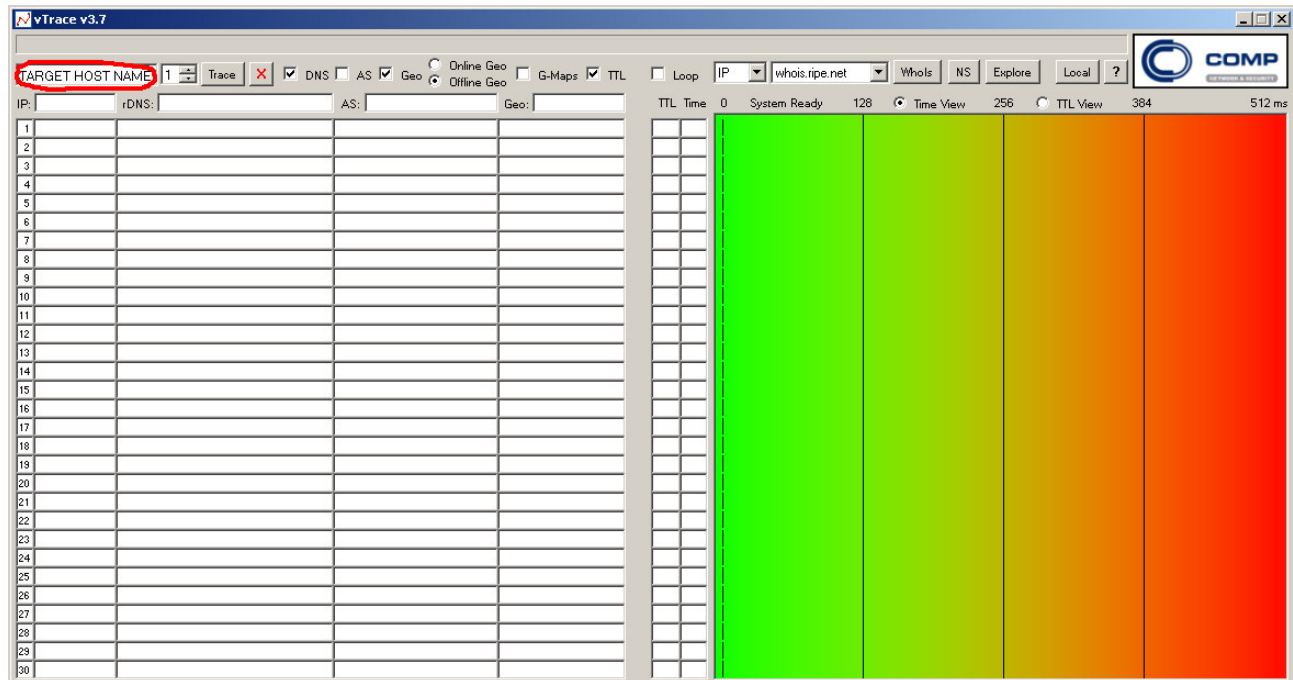
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Chapter 1: Introduction to vTrace

vTrace allows you to get a lot of information about target host in few clicks in really short time :-)

Chapter 2: TraceRoute module

In this (front) panel you can traceroute a host. Enter its name or IP address in marked field and click "Trace". By "Stop" button you can disturb tracing in any time.



For better result you can use this checkboxes:

- DNS - enable/disable name resolving of route hosts
- AS - enable/disable AS number checking
- GEO - enable/disable geographical localization
 - Online Geo - vTrace will use a Webservice for geo
 - Offline Geo - vTrace will use local database for geo
- G-Maps - vTrace will use Google Map for visualization of the route
- TTL - enable/disable TTL checking

- Loop - Looping traceroute procedure

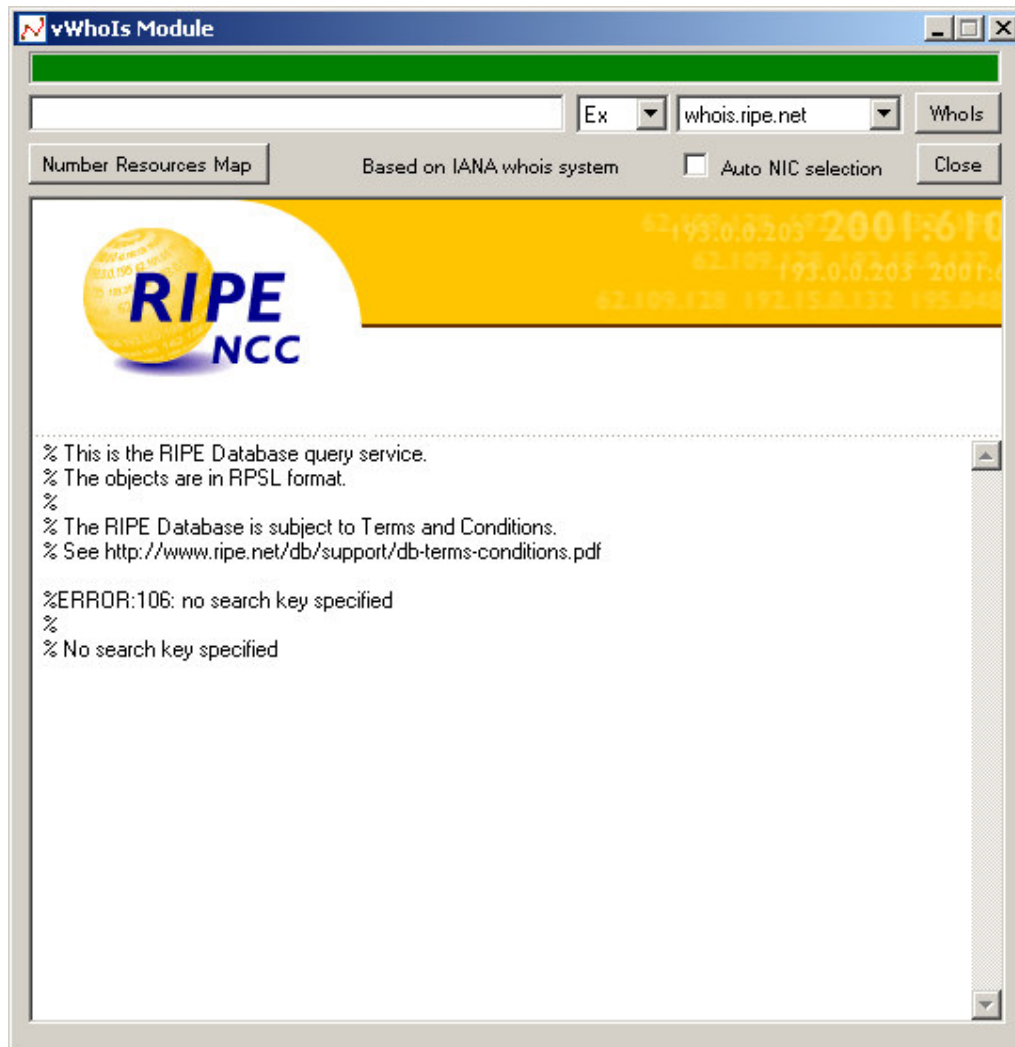
Chapter 3: Other modules

You can also use few extension module by clicking on this bar:



Chapter 4: Whois modules

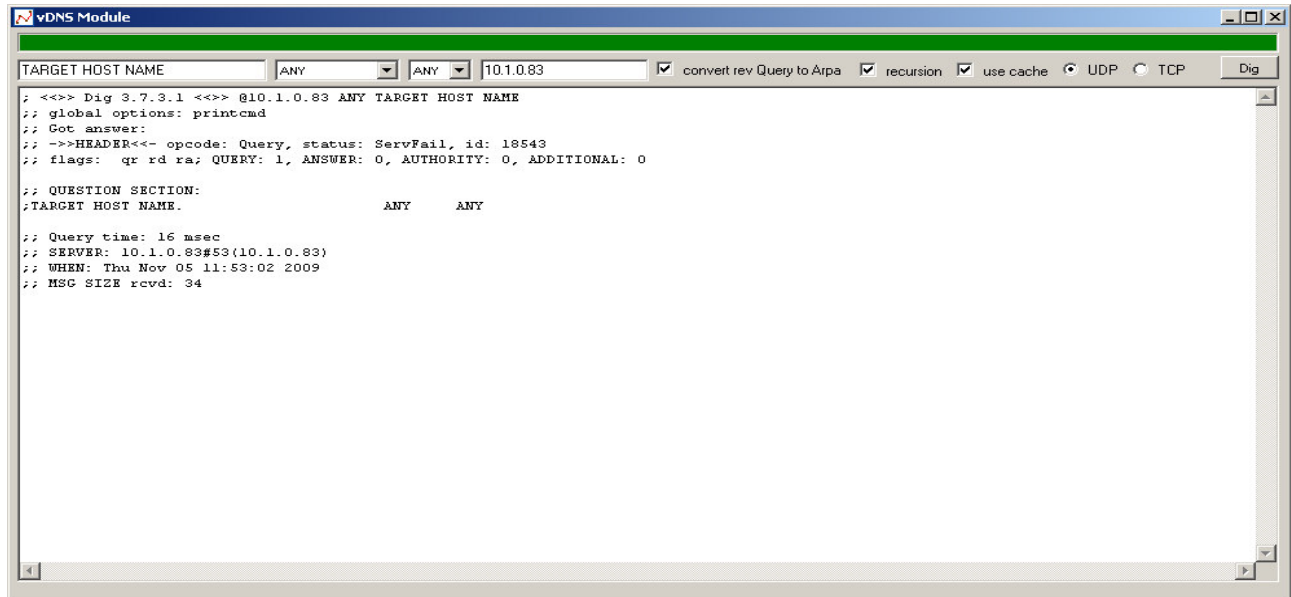
In this module you can check IANA information about target host...



Tip: In address field you can also enter AS number.

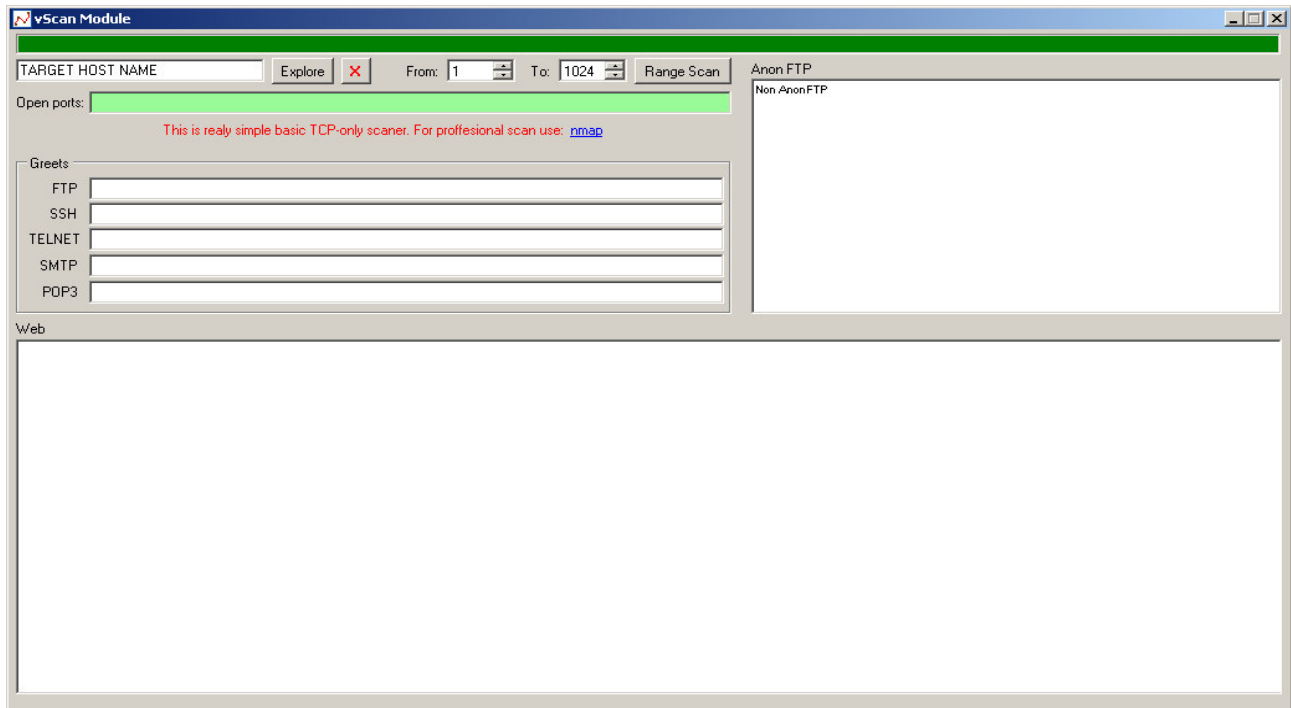
Chapter 5: DNS modules

In this module you can resolve DNS addresses



Chapter 6: Explore module

In this module you can scan target host. This is very simple scanner, so do not use it for professional usage. It scan only TCP ports.



Chapter 6: Local module

"Connection State" tab is netstat-like module, but you can also use G-Maps for visualization of established connections. This module helps you to trace, identify and monitor your network activity on world map. You can trace any website or IP address on your map. Built on .NET technology this module uses fast and reliable approach in detecting hostnames, IP addresses, domain names. While many IP lookup tools only provide network provider locations, this module uses unique IP location engine to provide a much higher level of accuracy by identifying the actual physical city and country location of servers and routers.

The screenshot shows the vLocalInfo Module interface. The 'Established' tab is active, displaying 13 connections. The table below lists the details for these connections:

Process	Local Address	Foreign Address
nlnotes	10.1.0.58:1052	10.1.0.80:1352
nlnotes	10.1.0.58:1053	10.1.0.80:1533
nlnotes	10.1.0.58:1055	10.1.0.34:1352
psftp	10.1.0.58:1115	91.212.242.33.22
putty	10.1.0.58:1116	91.212.242.33.22
System	10.1.0.58:1163	10.1.12.39.445
vTrace vs...	10.1.0.58:1275	209.85.135.99.90

Sample G-maps view

The screenshot shows the vLocalInfo Module interface with the 'G-Maps' view selected. It displays 18 established connections on a map. The table below lists the connections:

Process	Local Address	Foreign Address
nlnotes	10.1.0.58:1052	10.1.0.80:1352
nlnotes	10.1.0.58:1053	10.1.0.80:1533
nlnotes	10.1.0.58:1055	10.1.0.34:1352
psftp	10.1.0.58:1115	91.212.242.33.22
putty	10.1.0.58:1116	91.212.242.33.22
System	10.1.0.58:1163	10.1.12.39.445
vTrace vs...	10.1.0.58:1232	209.85.135.99.9080 (US-Mountain Vie...)
iesplore	10.1.0.58:1257	195.133.59.17.9080 (RU-Moscow)
iesplore	10.1.0.58:1261	195.133.59.17.9080 (RU-Moscow)
iesplore	10.1.0.58:1262	77.88.21.90.8080 (RU-Moscow)
iesplore	10.1.0.58:1263	77.88.21.90.8080 (RU-Moscow)
iesplore	10.1.0.58:1264	77.88.21.90.8080 (RU-Moscow)

"IP Statistic" tab show you few information about your system network status

The screenshot shows the vLocalInfo Module interface with the 'IP Stats' tab selected. It displays network statistics and interface information.

IP Stats

Inbound Packet Data		Outbound Packet Data		Reassembly Data		IP Params	
Received	146164	Requested	149066	Reassembly Timeout	60	Forwarding enabled	True
Forwarded	0	Discarded	0	Reassemblies Required	0	Interfaces	4
Delivered	144769	No Routing Discards	0	Packets Reassembled	0	IP addresses	4
Discarded	88	Routing Entry Discards	0	Reassembly Failures	0	Routes	10
Header Errors	0			Packets Fragmented	0	Default TTL	128
Address Errors	11609			Fragment Failures	0		
Unknown Protocol Errors	0						

Network Interfaces

Name	Description	Id	Type	Speed	Status	MAC	Bytes OUT	Bytes IN	kbps OUT	kbps IN	Gateways	DNSs	IP
{037BC011-1303-493E-82BA-84A98387157E}	Nortel IPSEC SHM Adpater - Sterownik...	...	Ethernet	10	Up	444552544200	0	0					
Połączenie sieci bezprzewodowej	Intel(R) WiFi Link 5100 AGN - Sterownik...	...	Ethernet	150	Down	0022FAC38326	0	0					
LAN	Intel(R) 82567LF Gigabit Network Conn...	...	Ethernet	1000	Up	00226808919A	109376699	40180328	7 (0%)	162 (0%)	10.1.0.254	10.1.0.83 ...	IP1:10.1.0.58/255.255.252.0
MS TCP Loopback interface	MS TCP Loopback interface	M...	Loopback	10	Up		279334	279334	1 (0%)	1 (0%)			IP:127.0.0.1 - 127.255.255.254

Chapter 7: Upgrade

The "?" button run "About Form". In this form you can check vTrace version and upgrade it when needed.



You can also download fresh GeoIP database in this form.

THE END