

Networks Tool Demonstration Report

Topic - NetCrunch network monitoring tool

NetCrunch can monitor nearly anything: devices, applications , systems, databases, and files. The program can be easily extended using scripts; data from various sources can be sent to NetCrunch or can be polled from files, databases or websites.

NetCrunch Tools offers 11 network tools for network administration from which seven are most important.

Basic Ip Tools :

- 1) Ping - Test the reachability of a host on an IP network and Measure the round-trip time for messages sent to a destination computer.
- 2) Traceroute - Display the route (path) and measure transit delays of packets across an Ip network.It also shows the country information based on Geolite data.
- 3) Who Is - Request information about given domain. Program will automatically find appropriate WHOIS server. Additionally it will follow referral links to give you all information at once.

Scanners :

- 4) Network Service Scanner - Discover 70 (TCP,UDP,TLS) well known services running on machine running in the given

network. Program sends relevant requests for each service and validates each received response. You can run the tool to discover service in whole subnet or just to check a single machine.

- 5) Open TCP Port Scanner - Discover open TCP ports and display information about known services possibly running on the machine. Unlike Network Service Scanner this tool only checks if the given port open. Program contains list of well known ports or can scan ports within given range. You may scan whole subnet or a single node.

Subnet Tools :

- 6) DNS Audit - Identify DNS setting errors by scanning a range of Ip addresses and performing reverse DNS lookups for each address. When the tool receives response for the scanned address, it performs forward DNS lookup to verify if the resolved address matches given address.
- 7) Subnet Calculator - This simple tools allows you to calculate all IPv4 subnets upon given network mask parameters.

Software - NetCrunch tool software execution file is downloaded from adremsoft.com . It is a software for network monitoring and have various subtools which is mentioned above.

Hardware - Above software can run only in windows with 64-bit system.

