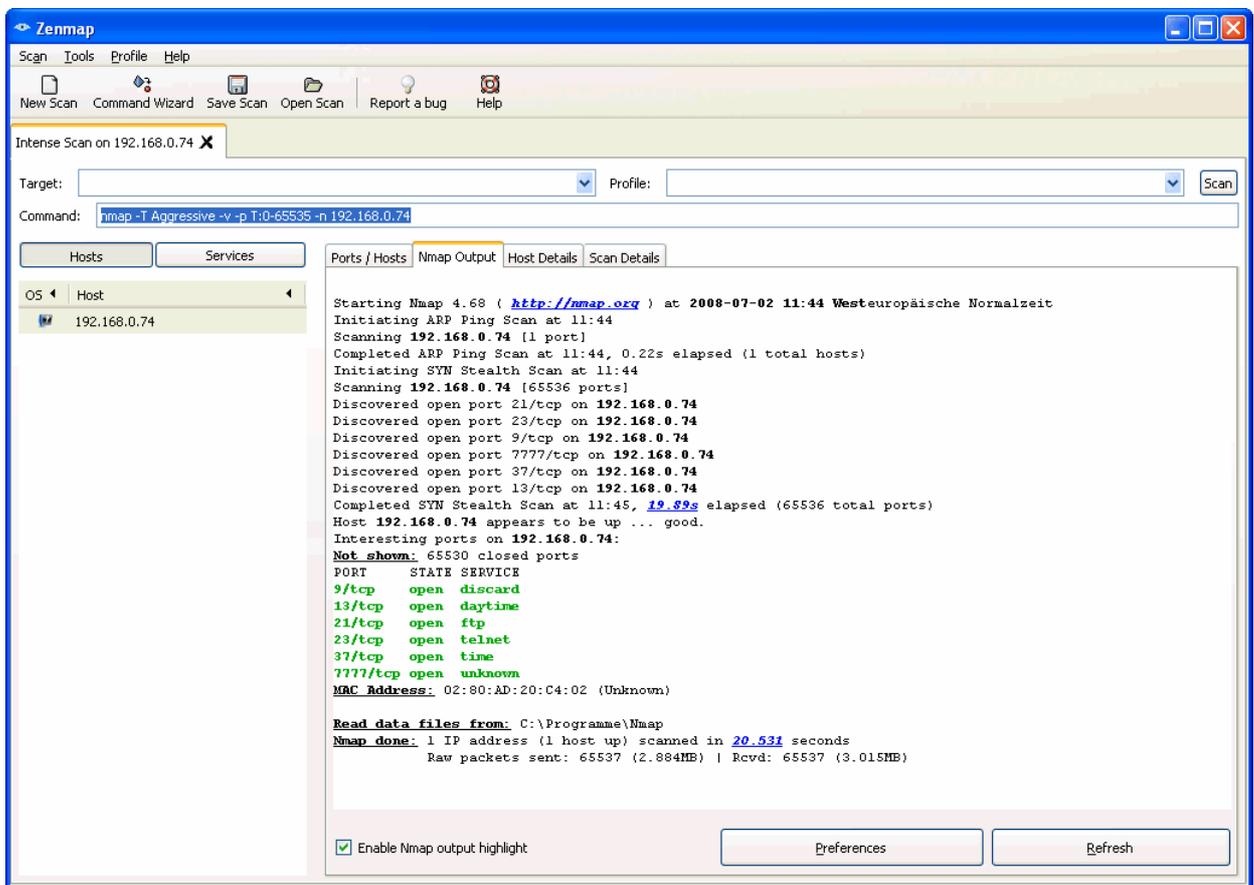


How to use the *Nmap* port scanner with Microsoft Windows

On network security aspects it is sometime necessary to know what TCP or UDP ports are open on your DIL/NetPC DNP/9200? A port scanner like *Nmap* shows the details. *Nmap* is a free and open source security utility for network exploration and security auditing.

- **1. Step:** Install *Nmap* on your Windows PC. The *Nmap* installation file from the (A)DNP/9200 starter kit CD-ROM version 1.5 or newer contains a *Nmap* version with *Zenmap* – the multi-platform graphical *Nmap* front-end and results viewer.
- **2. Step:** Run a *Nmap/Zenmap* port scan and wait until this security utility finishes. Then watch the results within the *Zenmap* window.



Please note: The output in this sample screen shot was generated with following *Nmap* command line:

```
nmap -T Aggressive -v -p T:0-65535 -n 192.168.0.74
```

The „-p T:0-65535“ command line parameter is necessary to scan all open TCP ports within the range from 0 to 65.535.

That is all.