

JARINGAN KOMPUTER

TASK 6



Nama : **Rufiah**
NIM : **09011181419019**
Dosen : **Deris Stiawan, M.T., PhD**

SISTEM KOMPUTER
FAKULTAS ILMU KOMPUTER UNIVERSITAS
SRIWIJAYA
2016

Alamat web yang dipilih : 1. **Padjadjaran.com**

2. **ITB.com**

1. **Padjadjaran.com**

Melakukan ping dengan menggunakan command prompt

```
C:\> Select C:\Windows\system32\cmd.exe

Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Fiah>ping padjadjaran.com

Pinging padjadjaran.com [5.172.44.35] with 32 bytes of data:
Reply from 5.172.44.35: bytes=32 time=259ms TTL=43
Reply from 5.172.44.35: bytes=32 time=258ms TTL=43
Reply from 5.172.44.35: bytes=32 time=261ms TTL=43
Reply from 5.172.44.35: bytes=32 time=259ms TTL=43

Ping statistics for 5.172.44.35:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 258ms, Maximum = 261ms, Average = 259ms

C:\Users\Fiah>
```

Tampilan menggunakan network-tools.com

Dengan memasukkan IP alamat web yang kita pilih

The screenshot shows the Network-Tools.com website interface. At the top, there is a navigation bar with links for 'FAQ/Help Files', 'Landscape Format', and 'Report Bugs'. Below this is a banner for 'Get Google Chrome' with the text 'A fast, secure, and free browser for all your devices. Download now!'. The main content area features a sidebar with various tools like 'Express', 'Ping', 'Trace', 'Whois', 'DNS Records', 'Network Lookup', 'Spam Blacklist Check', 'URL Decode', 'URL Encode', 'HTTP Headers', and 'Email Tests'. The 'Ping' tool is selected, and the IP address '5.172.44.35' is entered in the input field. The results section on the right displays the following information:

- 5.172.44.35 is from Netherlands (NL) in region Western Europe
- Input: 5.172.44.35
- canonical name: supermegahost-2.shared.oxilionhosted.nl
- Registered Domain: oxilionhosted.nl

The ping test results are shown in a table:

Round trip time to 5.172.44.35:
123 ms
124 ms
123 ms
125 ms
124 ms
123 ms
124 ms
123 ms
124 ms
126 ms
123 ms
124 ms

Ini adalah tampilan dengan memasukkan IP web yang kita pilih menggunakan <http://bgp.he.net>



**HURRICANE ELECTRIC
INTERNET SERVICES**

5.172.44.35

Quick Links

- [BGP Toolkit Home](#)
- [BGP Prefix Report](#)
- [BGP Peer Report](#)
- [Exchange Report](#)
- [Bogon Routes](#)
- [World Report](#)
- [Multi Origin Routes](#)
- [DNS Report](#)
- [Top Host Report](#)
- [Internet Statistics](#)

IP Info **Whois** **DNS** **RBL**

5.172.44.35 (supermegahost-2.shared.oxilionhosted.nl)

Announced By		
Origin AS	Announcement	Description
<u>AS20559</u>	<u>5.172.40.0/21</u>	Oxilion B.V.

Address has 238 hosts associated with it.

Kemudian masukkan web yang kita pilih (Padjadjaran)



**HURRICANE ELECTRIC
INTERNET SERVICES**

Quick Links

- [BGP Toolkit Home](#)
- [BGP Prefix Report](#)
- [BGP Peer Report](#)
- [Exchange Report](#)
- [Bogon Routes](#)
- [World Report](#)
- [Multi Origin Routes](#)
- [DNS Report](#)
- [Top Host Report](#)
- [Internet Statistics](#)
- [Looking Glass](#)

Search Results

Result	Description
AS46044	Universitas Padjadjaran 
2001:df7:8800::/48	Universitas Padjadjaran 
111.223.255.0/24	Universitas Padjadjaran 
111.223.254.0/24	Universitas Padjadjaran 
111.223.253.0/24	Universitas Padjadjaran 
111.223.252.0/24	Universitas Padjadjaran 

Tampilan setelah kita masukkan AS number nya



**HURRICANE ELECTRIC
INTERNET SERVICES**

46044

AS46044 Universitas Padjadjaran

Quick Links: [BGP Toolkit Home](#), [BGP Prefix Report](#), [BGP Peer Report](#), [Exchange Report](#), [Bogon Routes](#), [World Report](#), [Multi Origin Routes](#), [DNS Report](#), [Top Host Report](#), [Internet Statistics](#), [Looking Glass](#), [Network Tools App](#), [Free IPv6 Tunnel](#), [IPv6 Certification](#), [IPv6 Progress](#), [Going Native](#), [Contact Us](#)

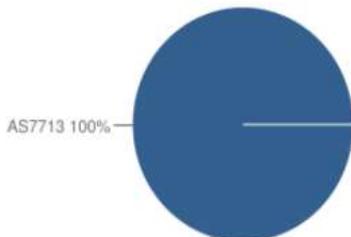
AS Info | Graph v4 | Graph v6 | Prefixes v4 | Prefixes v6 | Peers v4 | Peers v6 | Whois | IRR

Company Website: <http://www.unpad.ac.id>
 Company Looking Glass: <http://lg.unpad.ac.id>
 Country of Origin: [Indonesia](#) 
 Prefixes Originated (all): 5
 Prefixes Originated (v4): 4
 Prefixes Originated (v6): 1
 Prefixes Announced (all): 5
 Prefixes Announced (v4): 4
 Prefixes Announced (v6): 1
 BGP Peers Observed (all): 2
 BGP Peers Observed (v4): 1
 BGP Peers Observed (v6): 1
 IPs Originated (v4): 1,024
 AS Paths Observed (v4): 403
 AS Paths Observed (v6): 202
 Average AS Path Length (all): 4.260
 Average AS Path Length (v4): 4.821
 Average AS Path Length (v6): 3.139



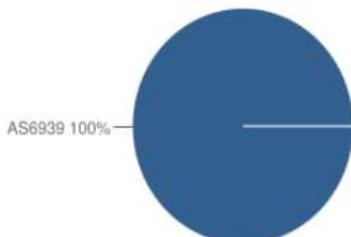
 Suka Satu orang menyukai ini.

AS46044 IPv4 Peers

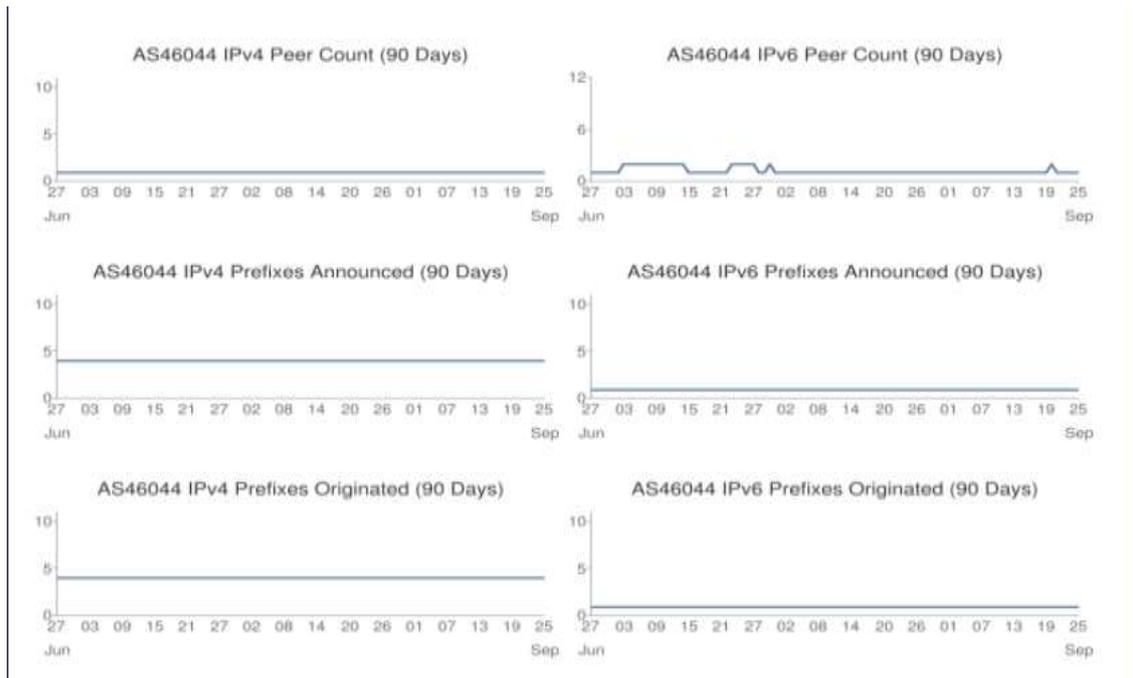


ASN	Name
AS7713	PT Telekomunikasi Indonesia

AS46044 IPv6 Peers



ASN	Name
AS6939	Hurricane Electric, Inc.



ANALISA

Dengan mencoba ping alamat web dengan menggunakan command prompt terdapat 32 bytes tapi hanya empat yang muncul saat ditampilkan.

Dengan menggunakan network-tools.com ketika memasukkan alamat IP web yang kita pilih menampilkan sepuluh bytes yang muncul.

Terdapat perbedaan yang terjadi setelah melakukan percobaan antara menggunakan command prompt dan network-tools.com.

2. ITB.com

Melakukan ping dengan menggunakan command prompt

```

C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Fiah>ping ITB.com

Pinging itb.com [141.8.224.183] with 32 bytes of data:
Reply from 141.8.224.183: bytes=32 time=246ms TTL=236
Reply from 141.8.224.183: bytes=32 time=260ms TTL=236
Reply from 141.8.224.183: bytes=32 time=244ms TTL=236
Reply from 141.8.224.183: bytes=32 time=251ms TTL=236

Ping statistics for 141.8.224.183:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 244ms, Maximum = 260ms, Average = 250ms

C:\Users\Fiah>

```

Tampilan menggunakan network-tools.com

Dengan memasukkan IP alamat web yang kita pilih

The screenshot shows the Network-Tools.com website. The navigation bar includes the logo and links for 'FAQ/Help Files', 'Landscape Format', and 'Report Bugs'. A search bar is present with a loading spinner. Below the search bar, there is a message: 'To save typing this site is available at NWTools.com'. A sidebar on the left contains a list of tools: Express, Ping (selected), Trace, Whois (IGM Conversion Test), DNS Records (Advanced tool), Network Lookup, Spam Blacklist Check, URL Decode, URL Encode, HTTP Headers (with a checkbox for SSL), and Email Tests. There is also a checkbox for 'Convert Base-16 to IP'. The main input field contains the IP address '141.8.224.183'. A central advertisement for Vimeo is visible. The main content area shows the results of a ping test: 'Lookup failed: 141.8.224.183 No data', '141.8.224.183 is from Switzerland (CH) in region Western Europe', and a list of 10 ping results, each with a round trip time of 35 ms. The average time over 10 pings is 31.73 ms.

Ini adalah tampilan dengan memasukkan IP web yang kita pilih menggunakan <http://bgp.he.net>

The screenshot shows the Hurricane Electric Internet Services (HE) website. The logo is a blue circle containing the letters 'HE'. The text 'HURRICANE ELECTRIC INTERNET SERVICES' is displayed in blue. A search bar is present with a 'Search' button. Below the search bar, the IP address '141.8.224.183' is entered. A navigation bar contains tabs for 'IP Info', 'Whois', 'DNS', and 'RBL'. The 'IP Info' tab is selected. The main content area shows the IP address '141.8.224.183' and a table titled 'Announced By'. The table has three columns: 'Origin AS', 'Announcement', and 'Description'. The data rows are: AS40034, 141.8.224.0/21, Rook Media GmbH; and AS19905, 141.8.224.0/24, Rook Media GmbH. Below the table, it says 'Address has 0 hosts associated with it.' On the left side, there is a 'Quick Links' section with a list of links: BGP Toolkit Home, BGP Prefix Report, BGP Peer Report, Exchange Report, Bogon Routes, World Report, Multi Origin Routes, DNS Report, Top Host Report, Internet Statistics, and Looking Glass.

Announced By		
Origin AS	Announcement	Description
AS40034	141.8.224.0/21	Rook Media GmbH
AS19905	141.8.224.0/24	Rook Media GmbH

Kemudian masukkan web yang kita pilih (ITB)



HURRICANE ELECTRIC
INTERNET SERVICES

Quick Links

- [BGP Toolkit Home](#)
- [BGP Prefix Report](#)
- [BGP Peer Report](#)
- [Exchange Report](#)
- [Bogon Routes](#)
- [World Report](#)
- [Multi Origin Routes](#)
- [DNS Report](#)
- [Top Host Report](#)
- [Internet Statistics](#)
- [Looking Glass](#)
- [Network Tools App](#)
- [Free IPv6 Tunnel](#)

Search Results

Result	Description	
AS59782	ITB SP.z o o	
AS200543	Farmacol ITB Sp. z o.o.	
AS199927	ITB-Kwadraat BV	
81.163.200.0/21	ITB SP.z o o	
2a04:8e40::/29	ITB-Kwadraat BV	
193.189.103.0/24	Farmacol ITB Sp. z o.o.	
185.42.56.0/23	ITB-Kwadraat BV	

Tampilan setelah kita masukkan AS number nya
 Pada AS number ITB mempunyai 3 (tiga) AS number

1. AS59782



HURRICANE ELECTRIC
INTERNET SERVICES

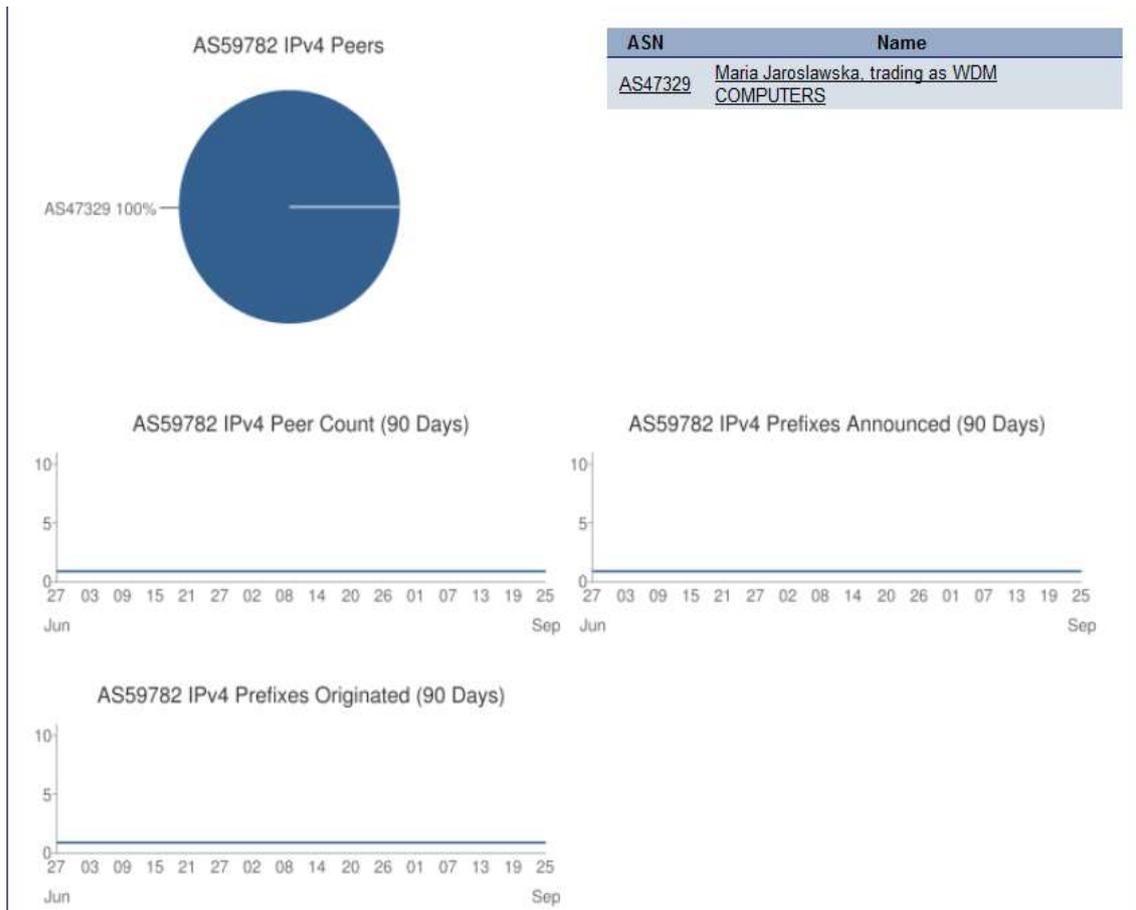
AS59782 ITB SP.z o o

Quick Links

- [BGP Toolkit Home](#)
- [BGP Prefix Report](#)
- [BGP Peer Report](#)
- [Exchange Report](#)
- [Bogon Routes](#)
- [World Report](#)
- [Multi Origin Routes](#)
- [DNS Report](#)
- [Top Host Report](#)
- [Internet Statistics](#)
- [Looking Glass](#)
- [Network Tools App](#)
- [Free IPv6 Tunnel](#)
- [IPv6 Certification](#)

AS Info | [Graph v4](#) | [Prefixes v4](#) | [Peers v4](#) | [Whois](#) | [IRR](#)

Country of Origin:	Poland 
Prefixes Originated (all): 1	Prefixes Announced (all): 1
Prefixes Originated (v4): 1	Prefixes Announced (v4): 1
Prefixes Originated (v6): 0	Prefixes Announced (v6): 0
BGP Peers Observed (all): 1	IPs Originated (v4): 2,048
BGP Peers Observed (v4): 1	AS Paths Observed (v4): 260
BGP Peers Observed (v6): 0	AS Paths Observed (v6): 0
Average AS Path Length (all): 4.135	
Average AS Path Length (v4): 4.135	
Average AS Path Length (v6): 0.000	



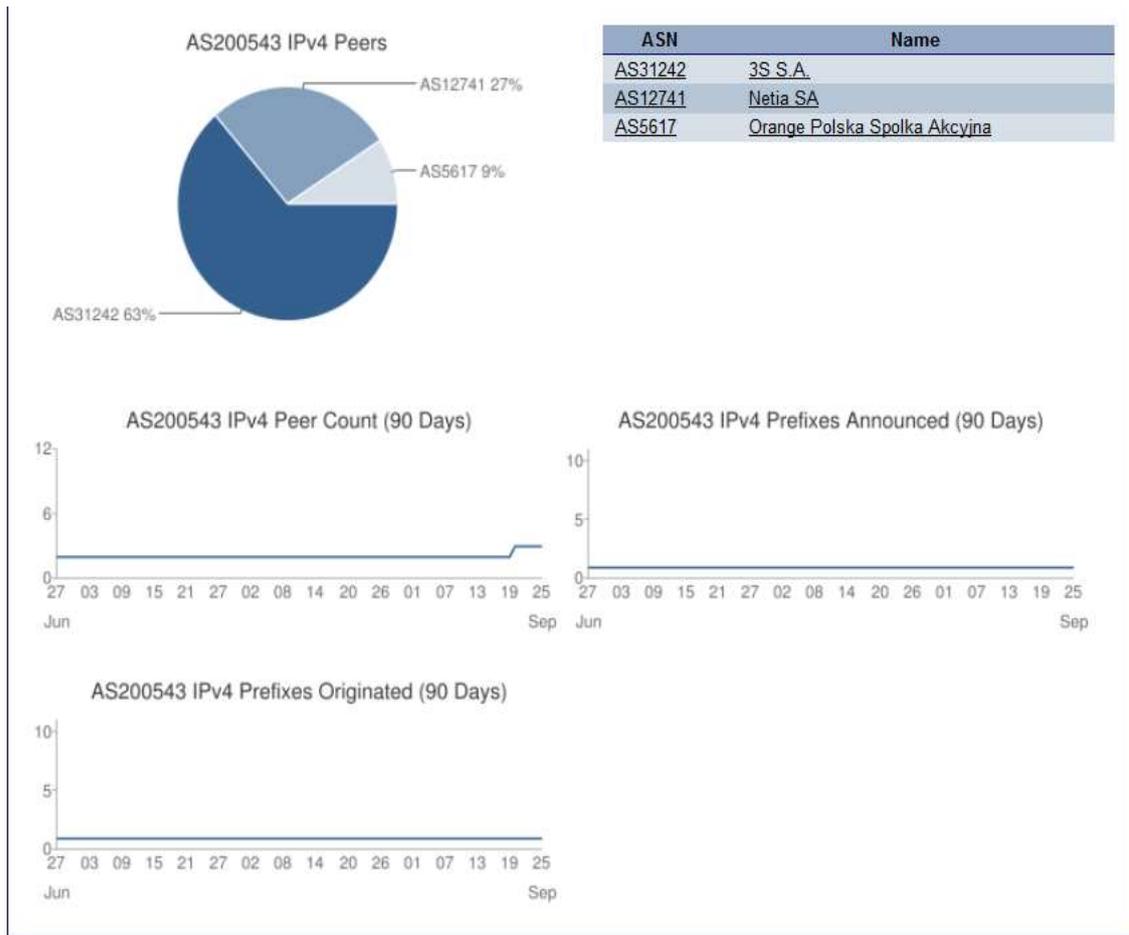
2. AS200543



HURRICANE ELECTRIC
INTERNET SERVICES

AS200543 Farmacol ITB Sp. z o.o.

Quick Links	AS Info	Graph v4	Prefixes v4	Peers v4	Whois	IRR
BGP Toolkit Home BGP Prefix Report BGP Peer Report Exchange Report Bogon Routes World Report Multi Origin Routes DNS Report Top Host Report Internet Statistics Looking Glass Network Tools App Free IPv6 Tunnel IPv6 Certification	<p>Country of Origin: Poland </p> <p>Prefixes Originated (all): 1 Prefixes Originated (v4): 1 Prefixes Originated (v6): 0</p> <p>BGP Peers Observed (all): 3 BGP Peers Observed (v4): 3 BGP Peers Observed (v6): 0</p> <p>Average AS Path Length (all): 4.086 Average AS Path Length (v4): 4.086 Average AS Path Length (v6): 0.000</p>					



3. AS199927



AS199927 ITB-Kwadrat BV

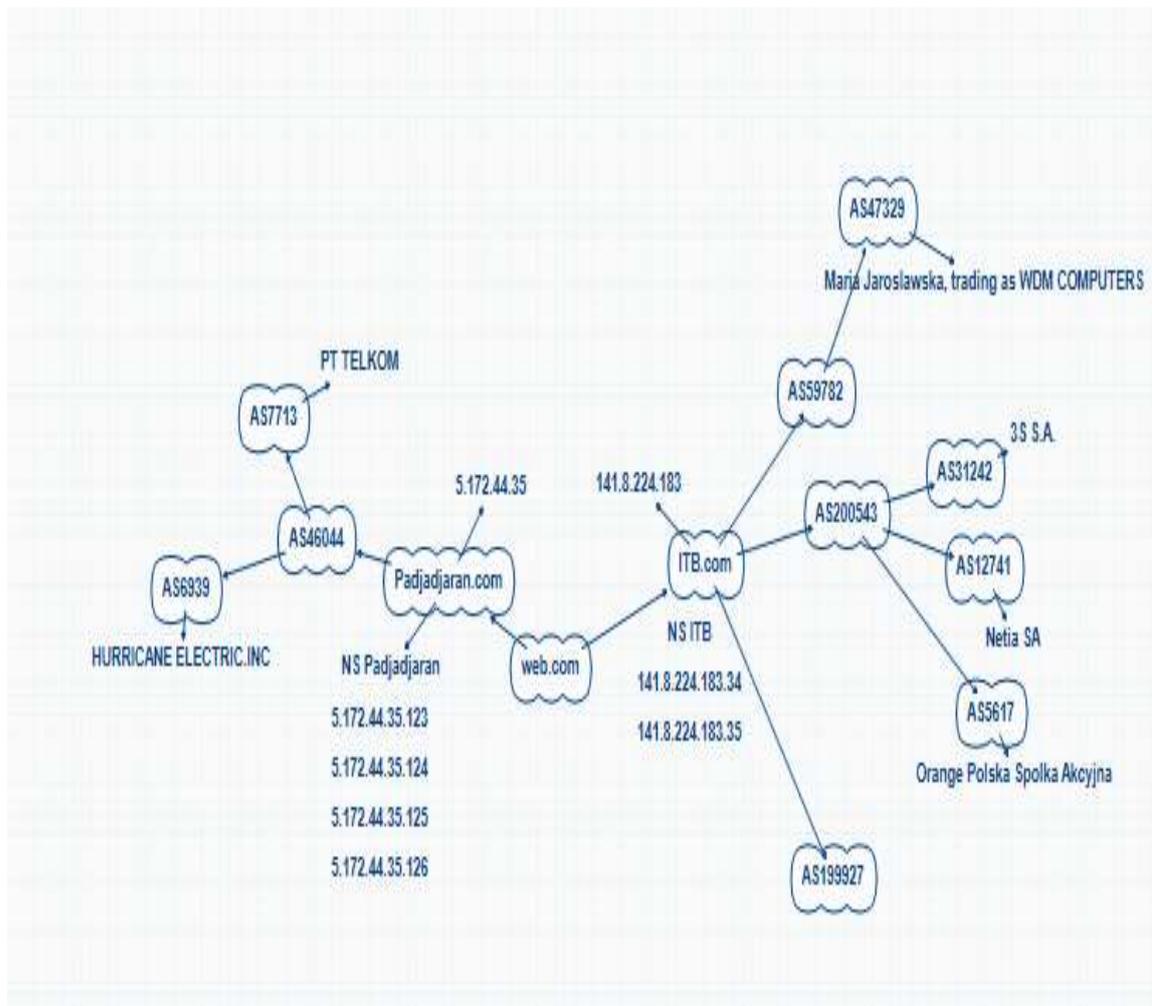
Quick Links	AS Info	Whois	IRR
BGP Toolkit Home BGP Prefix Report BGP Peer Report Exchange Report Boqon Routes World Report Multi Origin Routes DNS Report Top Host Report Internet Statistics Looking Glass Network Tools App Free IPv6 Tunnel IPv6 Certification	<p>Country of Origin: Netherlands </p> <p>Prefixes Originated (all): 0 Prefixes Originated (v4): 0 Prefixes Originated (v6): 0</p> <p>BGP Peers Observed (all): 0 BGP Peers Observed (v4): 0 BGP Peers Observed (v6): 0</p> <p>Average AS Path Length (all): 0.000 Average AS Path Length (v4): 0.000 Average AS Path Length (v6): 0.000</p> <p>Prefixes Announced (all): 0 Prefixes Announced (v4): 0 Prefixes Announced (v6): 0</p> <p>IPs Originated (v4): 0 AS Paths Observed (v4): 0 AS Paths Observed (v6): 0</p>		

ANALISA

Dengan mencoba ping alamat web dengan menggunakan command prompt terdapat 32 bytes tapi hanya empat yang muncul saat ditampilkan.

Dengan menggunakan network-tools.com ketika memasukkan alamat IP web yang kita pilih menampilkan sepuluh bytes yang muncul.

Terdapat perbedaan yang terjadi setelah melakukan percobaan antara menggunakan command prompt dan network-tools.com.



Pada web padjadjaran NS nya ada empat. Dengan AS 46044 pada AS 7713 yaitu pada PT TELKOM kemudian pada AS 6939 pada HURRICANE ELECTRIC.INC

Pada web ITB NS nya ada dus. Dengan AS 59782 pada AS 47329 yaitu pada MARIA JOROSLAWSKA, TRADING as WOM COMPUTER. AS 200543 pada AS31242 pada 3S S.A pada AS 12741 dengan NETIA SA pada AS5617 dengan ORANGE POLSKA SPOLKA AKCYJNA. Kemudian pada AS199927 tidak ada yang ditampilkan AS nya.