

CN Assignment 5

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2018348

Q1.

(a) My ASN Number is **AS55836**

Enter an AS number, IP address, or a Company name.

Related Tools: [CIDR/Netmask](#) [What's your IP](#) [Decimal IP Calculator](#)

AS55836

Country: IN
Registration Date: 2010-10-27
Registrar: apnic
Owner: RELIANCEJIO-IN Reliance Jio Infocomm Limited, IN

(b) The owner of my AS is : **RELIANCEJIO-IN Reliance Jio Infocomm Limited, IN**

Enter an AS number, IP address, or a Company name.

Related Tools: [CIDR/Netmask](#) [What's your IP](#) [Decimal IP Calculator](#)

AS55836

Country: IN
Registration Date: 2010-10-27
Registrar: apnic
Owner: RELIANCEJIO-IN Reliance Jio Infocomm Limited, IN

organisation: ORG-RJIL1-AP
org-name: Reliance Jio Infocomm Limited
country: IN
address: Reliance Coporate IT park LTD
address: Ghansoli NaviMumbai
phone: +912279670000
fax-no: +912279610099
e-mail: ip.management@ril.com
mnt-ref: APNIC-HM
mnt-by: APNIC-HM
last-modified: 2017-11-15T12:56:20Z
source: APNIC

(c) Some of the Range of IPV4 address space in my AS are shown below:

asn:as55836				asn
Total amount of IPs for this ASN: 5,761,024				
As Number	As Name	CIDR Range	Monitor	
55836	Reliance Jio Infocomm Limited	23.33.176.0/23	Monitor this	
55836	Reliance Jio Infocomm Limited	23.33.236.0/23	Monitor this	
55836	Reliance Jio Infocomm Limited	23.36.64.0/23	Monitor this	
55836	Reliance Jio Infocomm Limited	23.40.66.0/23	Monitor this	
55836	Reliance Jio Infocomm Limited	23.41.28.0/22	Monitor this	
55836	Reliance Jio Infocomm Limited	23.45.47.0/24	Monitor this	
55836	Reliance Jio Infocomm Limited	23.45.174.0/23	Monitor this	
55836	Reliance Jio Infocomm Limited	23.45.184.0/22	Monitor this	
55836	Reliance Jio Infocomm Limited	23.49.63.0/24	Monitor this	
55836	Reliance Jio Infocomm Limited	23.54.24.0/22	Monitor this	
55836	Reliance Jio Infocomm Limited	23.54.28.0/23	Monitor this	
55836	Reliance Jio Infocomm Limited	23.64.140.0/24	Monitor this	
55836	Reliance Jio Infocomm Limited	23.193.56.0/24	Monitor this	
55836	Reliance Jio Infocomm Limited	23.200.216.0/24	Monitor this	
55836	Reliance Jio Infocomm Limited	23.207.217.0/24	Monitor this	
55836	Reliance Jio Infocomm Limited	23.210.68.0/22	Monitor this	
55836	Reliance Jio Infocomm Limited	23.213.12.0/24	Monitor this	
55836	Reliance Jio Infocomm Limited	23.213.64.0/19	Monitor this	
55836	Reliance Jio Infocomm Limited	23.214.224.0/19	Monitor this	
55836	Reliance Jio Infocomm Limited	45.123.16.0/22	Monitor this	
55836	Reliance Jio Infocomm Limited	47.8.0.0/15	Monitor this	
55836	Reliance Jio Infocomm Limited	47.9.0.0/16	Monitor this	
55836	Reliance Jio Infocomm Limited	47.11.0.0/16	Monitor this	
55836	Reliance Jio Infocomm Limited	47.15.0.0/16	Monitor this	
55836	Reliance Jio Infocomm Limited	47.29.0.0/16	Monitor this	
55836	Reliance Jio Infocomm Limited	47.29.128.0/17	Monitor this	
55836	Reliance Jio Infocomm Limited	47.30.0.0/15	Monitor this	
55836	Reliance Jio Infocomm Limited	47.31.0.0/16	Monitor this	
55836	Reliance Jio Infocomm Limited	47.247.0.0/16	Monitor this	
55836	Reliance Jio Infocomm Limited	49.32.0.0/13	Monitor this	

Rest can be found here:



<https://mxtoolbox.com/SuperTool.aspx?action=asn%3aAS55836&run=toolpage>

(d)

(i) ASN number for IIITD (<https://www.iiitd.ac.in/>) is **AS55824**

Whois Record for iitd.ac.in



Domain Profile

Registrant	REDACTED FOR PRIVACY
Registrant Org	IIIT Delhi
Registrant Country	in
Registrar	ERNET India IANA ID: 800068 URL: http://www.ernet.in Whois Server: —
Registrar Status	ok
Dates	4,505 days old Created on 2008-08-01 Expires on 2029-08-01 Updated on 2020-08-02
Name Servers	
Tech Contact	REDACTED FOR PRIVACY REDACTED FOR PRIVACY, REDACTED FOR PRIVACY, REDACTED FOR PRIVACY, REDACTED FOR PRIVACY, REDACTED FOR PRIVACY (p) x (f) x
IP Address	103.25.231.30 - -1 other site is hosted on this server
IP Location	 - Uttar Pradesh - Noida - Indraprastha Institute Of Information Technology Delhi
ASN	 AS55824 NKN-CORE-NW NKN Core Network, IN (registered Oct 19, 2010)

(ii) ASN number for IITB (<http://www.iitb.ac.in/>) is **AS132423**



Whois Record for IITB.ac.in

Domain Profile

Registrant	REDACTED FOR PRIVACY
Registrant Org	Indian Institute Of Technology, Bombay
Registrant Country	in
Registrar	ERNET India IANA ID: 800068 URL: http://www.ernet.in Whois Server: —
Registrar Status	ok
Dates	6,122 days old Created on 2004-02-27 Expires on 2024-02-27 Updated on 2017-04-25
Name Servers	
Tech Contact	REDACTED FOR PRIVACY REDACTED FOR PRIVACY, REDACTED FOR PRIVACY, REDACTED FOR PRIVACY, REDACTED FOR PRIVACY, REDACTED FOR PRIVACY (p) x (f) x
IP Address	103.21.127.114 - -1 other site is hosted on this server
IP Location	 - Maharashtra - Mumbai - Powai
ASN	 AS132423 IITB-IN Powai, IN (registered Sep 24, 2012)



(iii) ASN number for Google (<https://www.google.com/>) is **AS15169**

Whois Record for Google.com

Domain Profile	
Registrant Org	Google LLC
Registrant Country	us
Registrar	MarkMonitor, Inc. MarkMonitor Inc. IANA ID: 292 URL: http://www.markmonitor.com Whois Server: whois.markmonitor.com abusecomplaints@markmonitor.com (p) 12083895770
Registrar Status	clientDeleteProhibited, clientTransferProhibited, clientUpdateProhibited, serverDeleteProhibited, serverTransferProhibited, serverUpdateProhibited
Dates	8,478 days old Created on 1997-09-15 Expires on 2028-09-13 Updated on 2019-09-09
Name Servers	NS1.GOOGLE.COM (has 14,474 domains) NS2.GOOGLE.COM (has 14,474 domains) NS3.GOOGLE.COM (has 14,474 domains) NS4.GOOGLE.COM (has 14,474 domains)
Tech Contact	—
IP Address	172.217.3.196 - 80 other sites hosted on this server
IP Location	 - California - Mountain View - Google LLC
ASN	 AS15169 GOOGLE, US (registered Mar 30, 2000)

(iv) ASN number for Facebook (<https://www.facebook.com/>) is **AS32934**

Whois Record for FaceBook.com

Domain Profile	
Registrant	REDACTED FOR PRIVACY (DT)
Registrant Org	Facebook, Inc.
Registrant Country	us
Registrar	RegistrarSafe, LLC IANA ID: 3237 URL: https://www.registrarsafe.com , http://www.registrarsafe.com Whois Server: whois.registrarsafe.com abusecomplaints@registrarsafe.com (p) 16503087004
Registrar Status	clientDeleteProhibited, clientTransferProhibited, clientUpdateProhibited, serverDeleteProhibited, serverTransferProhibited, serverUpdateProhibited
Dates	8,649 days old Created on 1997-03-28 Expires on 2028-03-29 Updated on 2020-03-10
Name Servers	A.NS.FACEBOOK.COM (has 11,504 domains) B.NS.FACEBOOK.COM (has 11,504 domains) C.NS.FACEBOOK.COM (has 11,504 domains) D.NS.FACEBOOK.COM (has 11,504 domains)
Tech Contact	REDACTED FOR PRIVACY (DT) Facebook, Inc. 1601 Willow Rd, Menlo Park, CA, 94025, us (p) REDACTED FOR PRIVACY (DT) (f) REDACTED FOR PRIVACY (DT)
IP Address	157.240.3.35 - 293 other sites hosted on this server
IP Location	 - Washington - Seattle - Facebook Inc.
ASN	 AS32934 FACEBOOK, US (registered Aug 24, 2004)

2.

(a)

7251	210.289259	HonHaiPr_a3:0c:8d	Broadcast	ARP	42 Who has 192.168.29.1? Tell 192.168.29.87
7252	210.290363	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42 192.168.29.1 is at 58:95:d8:20:1c:40
8166	228.858959	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42 Who has 192.168.29.87? Tell 192.168.29.1
8167	228.858972	HonHaiPr_a3:0c:8d	Sercomm_1c:40	ARP	42 192.168.29.87 is at 28:56:5a:a3:0c:8d
9019	261.049197	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42 Who has 192.168.29.87? Tell 192.168.29.1
9020	261.049208	HonHaiPr_a3:0c:8d	Sercomm_1c:40	ARP	42 192.168.29.87 is at 28:56:5a:a3:0c:8d

> Frame 7251: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface \Device\NPF_{70BEF31C-0CFF-4306-86C9-}					
> Ethernet II, Src: HonHaiPr_a3:0c:8d (28:56:5a:a3:0c:8d), Dst: Broadcast (ff:ff:ff:ff:ff:ff)					
▼ Address Resolution Protocol (request)					
Hardware type: Ethernet (1)					
Protocol type: IPv4 (0x0800)					
Hardware size: 6					
Protocol size: 4					
Opcode: request (1)					
Sender MAC address: HonHaiPr_a3:0c:8d (28:56:5a:a3:0c:8d)					
Sender IP address: 192.168.29.87					
Target MAC address: 00:00:00_00:00:00 (00:00:00:00:00:00)					
Target IP address: 192.168.29.1					

7252	210.290363	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42 192.168.29.1 is at 58:95:d8:20:1c:40
8166	228.858959	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42 Who has 192.168.29.87? Tell 192.168.29.1
8167	228.858972	HonHaiPr_a3:0c:8d	Sercomm_1c:40	ARP	42 192.168.29.87 is at 28:56:5a:a3:0c:8d
9019	261.049197	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42 Who has 192.168.29.87? Tell 192.168.29.1
9020	261.049208	HonHaiPr_a3:0c:8d	Sercomm_1c:40	ARP	42 192.168.29.87 is at 28:56:5a:a3:0c:8d

> Frame 7252: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface \Device\NPF_{70BEF31C-0CFF-4306-86C9-}					
> Ethernet II, Src: Sercomm_1c:40 (58:95:d8:20:1c:40), Dst: HonHaiPr_a3:0c:8d (28:56:5a:a3:0c:8d)					
▼ Address Resolution Protocol (reply)					
Hardware type: Ethernet (1)					
Protocol type: IPv4 (0x0800)					
Hardware size: 6					
Protocol size: 4					
Opcode: reply (2)					
Sender MAC address: Sercomm_1c:40 (58:95:d8:20:1c:40)					
Sender IP address: 192.168.29.1					
Target MAC address: HonHaiPr_a3:0c:8d (28:56:5a:a3:0c:8d)					
Target IP address: 192.168.29.87					

First packet is Packet number 7251 (request packet)

Second packet is Packet number 7252 (reply packet)

Differences observed are:

- In the first packet the Target MAC address is not known so it is mentioned as 00:00:00:00:00:00 under the ARP request section, while in the second packet the Target MAC address is present (This target MAC address in response packet is the source MAC address of the request packet).

- Since the target MAC address is not known in the first packet, so source sends a broadcast request, we get to know this as the destination is broadcast(ff:ff:ff:ff:ff:ff) while in the second packet destination MAC address is same as target MAC address.
- Opcode of the first packet is 1 and the second packet is 2.

(b) Operation code for ARP request is 1 and ARP reply is 2

(c)

Since the first 24 bits of a MAC address are assigned to a particular manufacturer, which can help us figure out the manufacturer.

```
Sender MAC address: Sercomm_1c:40 (58:95:d8:20:1c:40)
Sender IP address: 192.168.29.1
Target MAC address: HonHaiPr_a3:0c:8d (28:56:5a:a3:0c:8d)
Target IP address: 192.168.29.87
```

When I analysed the ARP Reply packet I found the sourceMAC address as Sercomm_1c:40 (58:95:d8:20:1c:40) and the destination MAC address as HonHaiPr_a3:0c:8d (28:56:5a:a3:0c:8d)

So in the source's case we can see that the first 32 bits of MAC address(58:95:d8:20) correspond to "**Sercomm_**", so we can say that the manufacturer is Sercomm. I checked it up online to verify this and the below screenshot shows that.

The MAC address "58:95:d8:20:1c:40" has been assigned by the IEEE to:	
MAC-Segment:	58:95:D8:20:00:00 - 58:95:D8:2F:FF:FF (MA-M)
Vendor:	Sercomm Corporation.
Address:	3F,No.81,Yu-Yih Rd.,Chu-Nan Chen Miao-Lih Hsuan 115 TW

Since a big chunk of MAC segments is allotted to Sercomm, that is why 32 bits matched the manufacturer's name.

So in the receiver's case we can see that the first 24 bits of MAC address(28:56:5a) correspond to "**HonHaiPr_**", so we can say that the manufacturer is **HonHaiPr**. I checked it up online to verify this and the below screenshot shows that.

The MAC address "28:56:5a:a3:0c:8d" has been assigned by the IEEE to:	
MAC-Segment:	28:56:5A:00:00:00 - 28:56:5A:FF:FF:FF (MA-L)
Vendor:	Hon Hai Precision Ind. Co.,Ltd.
Address:	Building D21,No.1, East Zone 1st Road Chongqing Chongqing 401332 CN

(d)

```
C:\WINDOWS\system32>arp -d

C:\WINDOWS\system32>arp -s 192.168.80.1    00-aa-00-62-c6-06

C:\WINDOWS\system32>arp -s 192.168.80.2    00-aa-00-62-c6-05

C:\WINDOWS\system32>arp -s 192.168.80.3    00-aa-00-62-c6-04

C:\WINDOWS\system32>arp -a

Interface: 192.168.29.87 --- 0xd
  Internet Address      Physical Address      Type
  192.168.29.1          58-95-d8-20-1c-40    dynamic
  192.168.29.255        ff-ff-ff-ff-ff-ff    static
  192.168.80.1          00-aa-00-62-c6-06    static
  192.168.80.2          00-aa-00-62-c6-05    static
  192.168.80.3          00-aa-00-62-c6-04    static
```

Difference between static and dynamic type in ARP table:

- The static entries are manually added to the ARP table. These stay on the table permanently unless deleted. These entries need to be updated if the routes are added or changed.
- The dynamic entries are automatically added by the software according to the past ARP(request-reply) resolutions. These entries are stored in the table for a temporary period of time after which the entry gets deleted/updated.

3.

No.	Time	Source	Destination	Protocol	Length	Info
2627	124.730338	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
2628	124.730356	HonHaiPr_a3:0c:8d	Sercomm_1c:40	ARP	42	192.168.29.87 is at 28:56:5a:a3:0c:8d
5551	163.019718	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
5552	163.019730	HonHaiPr_a3:0c:8d	Sercomm_1c:40	ARP	42	192.168.29.87 is at 28:56:5a:a3:0c:8d
5777	177.162297	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
5778	177.164921	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	192.168.29.1 is at 58:95:d8:20:1c:40
6432	183.711124	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
6433	183.712299	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	192.168.29.1 is at 58:95:d8:20:1c:40
6460	187.339922	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
6461	187.341504	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	192.168.29.1 is at 58:95:d8:20:1c:40
6583	197.244997	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
6584	197.245010	HonHaiPr_a3:0c:8d	Sercomm_1c:40	ARP	42	192.168.29.87 is at 28:56:5a:a3:0c:8d
7251	210.289259	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
7252	210.290363	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	192.168.29.1 is at 58:95:d8:20:1c:40

(a)

7251	210.289259	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
7252	210.290363	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	192.168.29.1 is at 58:95:d8:20:1c:40

> Frame 7251: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface \Device\NPF_{70BEF31C-0CFF-4306-86C9-...}

> Ethernet II, Src: HonHaiPr_a3:0c:8d (28:56:5a:a3:0c:8d), Dst: Broadcast (ff:ff:ff:ff:ff:ff)

Lets see the 7251th packet. The destination address is (ff:ff:ff:ff:ff:ff) Broadcast, which is not a real host. In this case the packet is transmitted to every node which is connected to the source via a direct link(or we can it will be broadcasted).

ARP request packet capture filter screenshot is attached below:

No.	Time	Source	Destination	Protocol	Length	Info
76	5.341515	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
262	31.021288	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
373	39.636573	Sercomm_1c:40	Broadcast	ARP	42	Who has 192.168.29.80? Tell 192.168.29.1
375	39.636882	Sercomm_1c:40	Broadcast	ARP	42	Who has 192.168.29.80? Tell 192.168.29.1
376	39.637187	Sercomm_1c:40	Broadcast	ARP	42	Who has 192.168.29.80? Tell 192.168.29.1
430	62.500931	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
1564	93.610493	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
2627	124.730338	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
5551	163.019718	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
5777	177.162297	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
6432	183.711124	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
6460	187.339922	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
6583	197.244997	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
7251	210.289259	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
8166	228.858959	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
9019	261.049197	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	Who has 192.168.29.87? Tell 192.168.29.1
10172	295.627222	Sercomm_1c:40	Broadcast	ARP	42	Who has 192.168.29.80? Tell 192.168.29.1

(b)

7251	210.289259	HonHaiPr_a3:0c:8d	Broadcast	ARP	42	Who has 192.168.29.1? Tell 192.168.29.87
7252	210.290363	Sercomm_1c:40	HonHaiPr_a3:0c:8d	ARP	42	192.168.29.1 is at 58:95:d8:20:1c:40

Lets see the 7252th packet. Yes, the destination MAC address of the reply packet is a real host. (which was the source in case of request packet)

ARP reply packet capture filter screenshot is attached below:

The screenshot shows the Wireshark interface with the capture filter `arp.opcode==2` applied. The packet list shows several ARP packets. The selected packet is number 7252, an ARP reply packet from `Sercomm_1c:40` to `HonHaiPr_a3:0c:8d`. The packet details pane shows the following information:

- Protocol size: 4
- Opcode: reply (2)
- Sender MAC address: HonHaiPr_a3:0c:8d (28:56:5a:a3:0c:8d)
- Sender IP address: 192.168.29.87
- Target MAC address: Sercomm_1c:40 (58:95:d8:20:1c:40)
- Target IP address: 192.168.29.1

The packet bytes pane shows the raw data of the ARP reply packet:

```

0000  58 95 d8 20 1c 40 28 56 5a a3 0c 8d 08 06 00 01  X...:@(V Z.....
0010  08 00 06 04 00 02 28 56 5a a3 0c 8d c0 a8 1d 57  .....(V Z.....W
0020  58 95 d8 20 1c 40 c0 a8 1d 01  X...:@(V Z.....
  
```

(c)

```

C:\WINDOWS\system32>netsh interface ipv4 show interface

Idx      Met      MTU      State      Name
-----
1         75      4294967295 connected Loopback Pseudo-Interface 1
15        5        1500 disconnected Ethernet
13        55      1500 connected Wi-Fi
16        35      1500 disconnected Ethernet 2
25        25      1500 disconnected Local Area Connection* 12
4         25      1500 disconnected Local Area Connection* 13
21        65      1500 disconnected Bluetooth Network Connection 2
  
```

```
C:\WINDOWS\system32>netsh interface ipv4 show interface 13
```

Interface Wi-Fi Parameters

```
-----  
IfLuid : wireless_32768  
IfIndex : 13  
State : connected  
Metric : 55  
Link MTU : 1500 bytes  
Reachable Time : 43500 ms  
Base Reachable Time : 30000 ms  
Retransmission Interval : 1000 ms  
DAD Transmits : 3  
Site Prefix Length : 64  
Site Id : 1  
Forwarding : disabled  
Advertising : disabled  
Neighbor Discovery : enabled  
Neighbor Unreachability Detection : enabled  
Router Discovery : dhcp  
Managed Address Configuration : enabled  
Other Stateful Configuration : enabled  
Weak Host Sends : disabled  
Weak Host Receives : disabled  
Use Automatic Metric : enabled  
Ignore Default Routes : disabled  
Advertised Router Lifetime : 1800 seconds  
Advertise Default Route : disabled  
Current Hop Limit : 0  
Force ARPND Wake up patterns : disabled  
Directed MAC Wake up patterns : disabled  
ECN capability : application  
RA Based DNS Config (RFC 6106) : disabled  
DHCP/Static IP coexistence : disabled
```

Timeout of ARP cache is mentioned as Reachable time in windows according to Microsoft official documents.

<https://docs.microsoft.com/en-us/troubleshoot/windows-server/networking/address-resolution-protocol-arp-caching-behavior>

So, the timeout of ARP cache is **43500 ms**.