

# IP Netblocks WHOIS Database

## Challenge: Unmask and Block Suspicious IPs

Cybercriminals hide behind malicious websites and connected domains. How do you protect your site and network from scams and hacking attacks? Get exhaustive information on the IP range that a given IP address belongs to. Quickly identify and block suspicious IPs before they cause any actual damage. Use IP Netblocks for security analysis, fraud detection, law enforcement, e-commerce, and Internet banking.

## Solution: Put a Face to Hidden Online Entities

IP Netblocks WHOIS Database puts a human face to hidden actors on the Internet — e.g., domain owners, web visitors, email senders, or participants doing any other kind of network communication — and reveals whether they are fraudsters or not. The database contains over 8.9 million (as of January 2019) IP netblocks with 12,000 ranges updated daily. Leverage it to expand networks, examine traffic, monitor competition, and more:

- Access exhaustive information on IP ranges
- Harness data available through IP Netblocks API
- Ensure readability by high-level programming languages
- Explore dozens of applications and use cases
- Personalize usage with flexible pricing plans

## What is an IP Netblock?

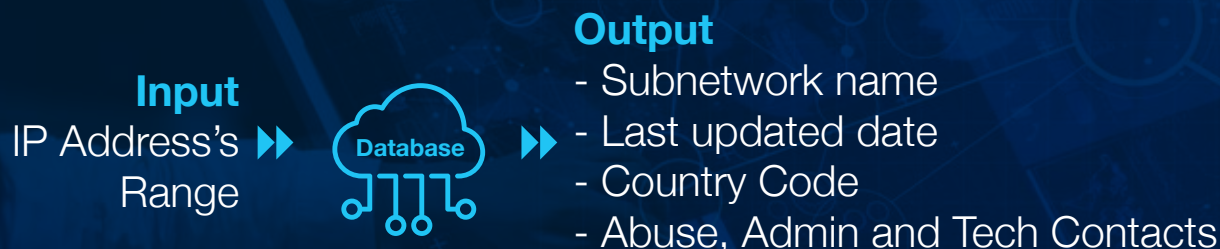
An IP is a number which uniquely identifies a device connected to the Internet. It is a technical requirement of any network communication so it cannot be hidden. IP numbers are officially assigned to individuals or organizations in "blocks" making up their networks.

IP netblocks, therefore, represent the IP ranges which certain IP addresses are part of. Individuals and organizations can use netblocks data to locate and identify owners and observe the movement of IP addresses.

Cybersecurity and anti-malware solutions can use IP netblocks to detect scams, malicious websites, intrusions, and other online misbehaviors. Law enforcers can identify all connected domains, websites, and IP addresses associated with fraudulent activities and criminals and gain domain insights.

What's more, website owners can identify website visitors and block suspicious IPs, while payment processors and banks can use IP netblocks to detect and prevent transaction fraud.

## How Does IP Netblocks WHOIS Database Work?



Input the IP range that a given IP address belongs to, and get exhaustive information that can protect your site or network from spam, fraud, and other malicious attacks.

Check our product page (<https://ip-netblocks-whois-database.whoisxmlapi.com/>) for more information.

# Who Can Benefit from IP Netblocks WHOIS Database?



## Enterprise Security

- **Understand traffic for security ends:** IPs from Web server logs deduce the dynamics and structure of your website's traffic.
- **Enrich SIEM systems:** Spot deviations, issue an alert, and activate other security controls.
- **Reinforce threat hunting efforts:** IP netblocks data supports the proactive searching of threats, malicious networks, and IP ranges.
- **Track malicious entities:** IP netblocks contact details allow to pinpoint malevolent individuals' locations and apprehend them.
- **Prevent transaction fraud:** Banks and other payment processors use IP Netblocks WHOIS Database to detect malicious sites.
- **Fight Spam:** Define advanced spam filtering rules based on the IPs involved in the incoming traffic to flag spammers.



## Governmental Agencies

- **Identify, locate, and prosecute cyber criminals:** IP netblocks data traces malicious IP addresses back to their providers and owners.
- **Conduct cyber forensics analysis:** Capturing network events helps discover the source of security attacks.
- **Protect sensitive information and systems of national importance:** IP netblocks enable the identification of nation-state hackers and their patterns of attack.
- **Compliance:** Proceed with government security policies that prohibit the use of API calls outside the internal network.



## Enterprise Marketing

- **Monitor competitors:** Marketers keep track of competitors and analyze strengths and weaknesses by studying specific IP metrics.
- **Recognize website visitors and potential customers:** IP netblocks details tell from which networks you're being visited.
- **Protect brands against infringers:** Identify and examine malicious entities with similar names through their IP ranges.
- **Assist marketing/research:** IP netblocks bring marketers relevant information to optimize online campaigns.



## Enterprise IT

- **Expand your network:** Netblocks data identifies neighboring addresses and locates those you may want to purchase.
- **Facilitate network filtering:** Personalize client access based on networks and netblocks data.

# IP Netblocks WHOIS Database: What's Available?

Daily, comprehensive, and updated data on registered IP ranges including detailed ownership information for each range. Everything you need to know is at your disposal in a transparent format:

- IP netblock borders
- Last update
- Country code
- Abuse history
- ASN (Autonomous System Number)
- Name of the IPs range
- Name of city
- List of administrative contacts
- List of technical contacts
- Organization(s) that registered the range
- List of domain maintainers
- List of maintainers able to change subranges
- List of maintainers of routing info
- Modification type
- Source of range

## More information

Download  
JSON sample  
[here](#)

Download  
CSV sample  
[here](#)

Check our  
full specifications  
[here](#)



## What Are the Technical Specifications?

- > **Database forms:** • Full database • Daily incremental database
- > **File storage time:** • 3 months since its creation date
- > **Downloading options:** • Via HTTPs • Via FTP
- > **Output Formats:** • JSON • CSV

## API Access

Additionally, the IP netblocks data can be accessed through our dedicated IP Netblocks API (<https://ip-netblocks-api.whoisxmlapi.com/>) allowing seamless integration into systems.



For over a decade, we have been providing real-time APIs, database downloads, and tools in WHOIS, DNS, IP, domain research and monitoring, and threat intelligence.

We continuously strive to offer various solutions to satisfy the demands of our diverse and large customer base.

We have been recognized as one of Inc. 5000 fastest-growing Top IT Companies with a rank of #268 in 2017 and #651 in 2018.

**Can you recognize a threat when you meet one? Let IP Netblocks WHOIS Database help you see behind the mask.**

Contact Us

**General inquiries and questions:**  
[general@whoisxmlapi.com](mailto:general@whoisxmlapi.com)

**Customized WHOIS service or product queries:**  
[dev@whoisxmlapi.com](mailto:dev@whoisxmlapi.com)

**Non-urgent voicemail service for enterprise customers:**  
+1 (800) 207-0885

**Support issues:**  
[support@whoisxmlapi.com](mailto:support@whoisxmlapi.com)

# Appendix 1

## Output fields' descriptions

- inetnum** ▶ e.g. "0.0.0.0 - 255.255.255.255"
- inetnumFirst** ▶ First IP as integer value, e.g. "134744072" (which is "8.8.8.8: in IP notation)
- inetnumLast** ▶ Last IP as integer value
- as** ▶ Autonomous System – is null when the data is missing
  - asn - Autonomous System Number
  - name
  - type - Autonomous System type, one of the following: "Cable/DSL/ISP", "Content", "Educational/Research", "Enterprise", "Non-Profit", "Not Disclosed", "NSP", "Route Server". Empty when unknown.
  - route
  - domain
- netname** ▶ name of the IPs range
- modified** ▶ date of the last change (e.g. 2018-05-25T10:20:58Z)
- country** ▶ 2 chars' country code
- city** ▶ name of city
- abuseContact** ▶ list of administrative contacts
  - id
  - person - name of the contact person
  - role - role of the contact person
  - phone
  - email
  - country
  - city
- adminContact** ▶ list of administrative contacts
- techContact** ▶ list of technical contacts
- org** ▶ organisation registered the range
  - id
  - name
  - phone
  - email
  - country
  - city
- mntBy** ▶ list of maintainers who are able to update the IPs range
  - id
  - email
- mntDomains** ▶ list of domains' maintainers
- mntLower** ▶ list of maintainers who are able to change sub ranges
- mntRoutes** ▶ list of maintainers of routing info
- action** ▶ present in Daily incremental database only. Specifies modification type: "add", "drop" or "change".
- remarks** ▶ remarks and comments associated with the IP Netblock
- source** ▶ source of range