

DOTS IP Address Validation

VERIFY AND GEO-TARGET WEBSITE VISITORS TO HELP PREVENT FRAUD

According to clients feedback, mismatches between customers' IP location and their home address is the leading indicator of online fraud. For example, if a computer is determined to be in Croatia, and the customer inputs a California home address, this probably indicates fraud.

DOTS IP Address ValidationSM by Service Objects is a real-time web service API that identifies the location of an IP address from any location in the world. Global coverage includes Africa, Asia, Australia, Europe, North America and South America. By utilizing this service, companies can cross-reference the location of a website visitor's IP address against other data points, including billing and shipping addresses, to prevent possible fraudulent transactions.

INPUT		OUTPUT	
IP Address	71.117.100.229	IP Address City	Goleta
		IP Address Region	CA
		IP Address Country	United States
		IP Address Latitude	34.502102
		IP Address Longitude	-120.1287
		Location Certainty	95
		IP Address Is Proxy	False
		IP Address Proxy Type	None
		IP Address ISP	Verizon Internet Services
		IP Address Netblock Owner	Verizon Internet Services

Green Outputs = Appended Information

*This example represents output rendered by a typical operation. Other operations and data points may be available.

[View our Website to View All Inputs/Outputs](#)

FEATURES

- Determines the IP location based on an aggregate of data sources (over four billion IP addresses)
- 99.8% country-level accuracy and 98% state-level accuracy in the US
- Tracks and updates over ten million subnets daily
- Identifies IP addresses coming from proxy servers and reveals type (none, private, public, anonymous or satellite)
- Uses a proprietary proxy detection system to identify compromised computers and collects anonymous proxy data from over 165,000 online sources
- Identifies Internet Service Provider (ISP) and IP address block-owner information (companies and organizations)
- Flags IP addresses from mobile devices
- Provides a certainty score for every result
- Updated daily
- Real-time API or batch service available

SAMPLE REQUEST URL

Here is an example of a URL passing data as parameters:

```
https://trial.serviceobjects.com/gpp/GeoPinPoint.aspx/GetLocationByIP_V4?IPAddress=71.117.100.229&LicenseKey=[YourKey]
```

PRODUCT BENEFITS

- Identify location-mismatches and open proxies in real-time to protect your company from suspicious activity
- Evaluate transaction risk and prospects potential based on your customers' true location
- Use IP location information to provide strong protection at the point of entry or registration and prevent fraud in real-time

OPERATIONS

DOTS IP Address Validation has two unique API operations:

- GetLocationByIP_V4
- GetCountryByIP

WHY SERVICE OBJECTS

- Most accurate data available
- 24/7 customer support
- 99.999% server uptime guarantee
- Simple pay-as-you-go pricing
- No long-term contracts
- Bank-grade security
- Open industry-standard programming interface
- Free API trial key or sample batch

COMPATIBLE LANGUAGES

Service Objects offers sample code in many industry-leading programming languages to assist with integration. Developer Guides are also available online for each product.



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www.serviceobjects.com

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