

The Industry Standard for IP Intelligence Technology

Digital Element maintains the world's most comprehensive and up-to-date proxy database. Our patented and proprietary proxy detection methodology empowers content websites, financial services companies, networking providers, publishers and many others whose businesses rely on the ability to detect non-human traffic; control the distribution of online content; prevent online fraud; comply with legal/embargo restrictions; and more.

Digital Element's industry-leading proxy data is gathered via our unique proxy analyzer, which combs alleged proxy lists and stores the data for analysis. IP addresses are constantly evaluated and re-evaluated to see if they exhibit proxy-specific behavior, such as requiring login credentials, and our team of dedicated data analysts works hard to ensure the delivery of the most robust and accurate solution to address the problem of IP masking at commercial scale. The proxy data list is then updated on a daily basis, and is available for daily or weekly download depending on use case.

Proxy Database Value Descriptions:

| Proxy Type | |
|-------------------|---|
| Anonymous | Actual IP address of client is not available. Includes services that change location to beat DRM, TOR points, temporary proxies and other masking services. |
| Transparent | Actual IP address of client is available via HTTP headers, though value not necessarily reliable (i.e., it can be spoofed). |
| Hosting | Address belongs to a hosting facility and is likely to be a proxy as end users are not typically located in a hosting facility. |
| Corporate | Generally considered harmless, but location can be a concern. Can identify if multiple users are proxied through a central location or locations, and thus share a single network-apparent IP address. |
| Public | Multiple users proxied from a location allowing public Internet access. |
| Edu | Proxied users from an educational institution. |
| AOL | Associated with an AOL proxy. |
| Blackberry | This new value will identify an IP address owned by RIM (Research In Motion) who is responsible for Blackberry mobile devices. All Blackberry users go through a centralized proxy location and thus cannot be accurately geo-targeted. |
| "?" | Not determined to be a proxy. |
| Proxy Description | |
| Tor Exit | The gateway nodes where encrypted/anonymous Tor traffic hits the Internet. |
| Tor Relay | Receives traffic on the Tor network and passes it along. Also referred to as "routers". |
| Cloud | Enables ubiquitous network access to a shared pool of configurable computing resources. |
| VPN | Virtual private network that encrypts and routes all traffic through the VPN server, including programs and applications. |
| DNS | A proxy used by overriding the client's DNS value for an endpoint host to that of the proxy instead of the actual DNS value. |
| Web-Browser | This value will indicate connectivity that is taking place through mobile device web browser software that proxies the user through a centralized location. This type of proxy connectivity falls within our 'hosting' proxy-type designation, thus the new proxy-description response will be returned. A couple of examples of this type of connectivity are Opera mobile browsers and UCBrowser. |
| Cloud-Security | A host accessing the Internet via a web security and data protection cloud provider. Example providers with this type of service are Zscaler, Scansafe, and Onavo. |

Sample Clients



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For more details on how your company can leverage proxy data as part of an online strategy, please visit us at www.digitalelement.com.

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For those clients wanting to take an even more cautious approach to blocking proxy traffic, our VPN Proxy database provides additional insights about the proxy hosts identified as either VPN or DNS within our Proxy Identification database. This database also highlights the individual IP address tied to the VPN or DNS proxy.

The database will add context to help clients address the problem of malicious IP masking, and will enable them to have greater control over content distribution; added confidence against online fraud; and compliance with global legal restrictions at scale.

When clients license this additional data, they will receive both the Proxy Type and Proxy Identification databases as well as the VPN proxy database.

VPN Descriptions:

| VPN Proxy Values | |
|------------------|--|
| VPN Proxy Node | Indicates where the IP address serves as the entry or exit node of the VPN user, or both |
| VPN Proxy Name | The name of the commercial VPN service currently using the identified IP address |

Sample Clients



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