



If they can't find you, they can't attack you!™

Identity Protected Internet Access – Protecting your identity and location

EXECUTIVE SUMMARY – THE PROBLEM WE SOLVE

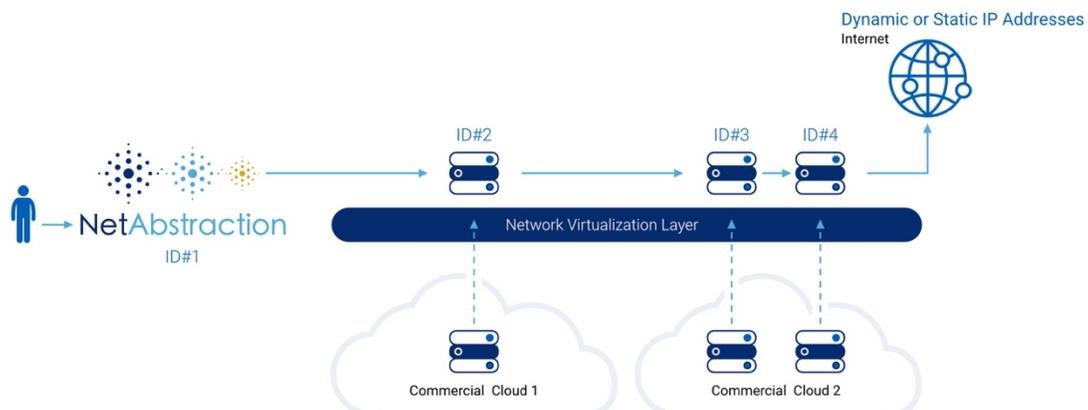
Operating on the Internet creates a cyber threat to those who may want to conduct discrete market research, business intelligence collection, or establish private or privileged client communications channels. The simplest online activity leaves a “footprint”. Anyone using the Internet “unprotected” exposes their IP (Internet Protocol) addresses and network identities making high interest users such as law enforcement, banks and national infrastructure providers, a potential target. A number of IP address blocking or IP address substitution techniques (all of which are proxy services) have been developed but they tend to be cumbersome to use and are often disruptive to normal business activities due to fraud profiling efforts that are trying to prevent non-identifiable people that are using a proxy service from accessing a company’s goods and services. Along with fraud profiling techniques, major search engine optimization companies do a very good job at geo-locating a user based on their activity on the Internet. Many of the existing non-attribution systems don’t address geo-location footprint, use patterns, or habits.

NetAbstraction’s extensive expertise is rooted within the Intelligence Community. Our backgrounds are in: offensive and defensive cyber; protection of user identities; and innovative engineering, implementing networks to support clandestine communications. Building from a deep understanding of the current state-of-the-art technologies, we innovate and provide the next generation of privacy, identity protection, and security capabilities.

We understand, first hand, the challenges our customers face when meeting today’s cyber and privacy needs.

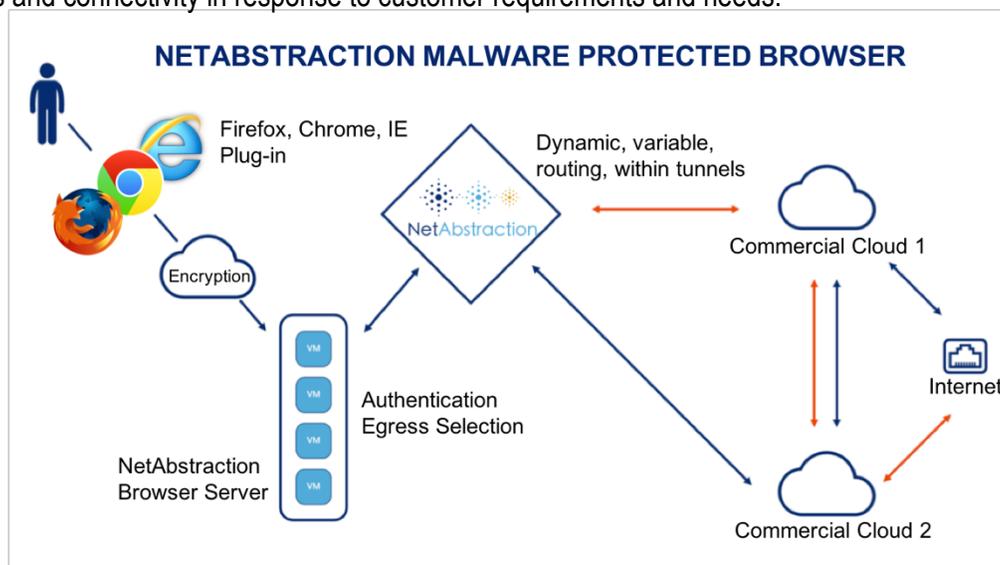
NETABSTRACTION OVERVIEW

NetAbstraction was founded and developed its flagship service to address the privacy and security needs of enterprises and governments in this dynamic new environment, offering additional security, privacy, performance and significant cost reductions to provide the WAN capabilities that all enterprises need as we continue to move to new business models. Fundamentally, NetAbstraction obscures and provides misattribution for Internet activities – enabling our customers to operate on the Internet without leaving a traceable footprint. We have found our customers conducting investigative research and intelligence collection utilize NetAbstraction to remain unidentifiable to criminal elements, prevent websites from filtering or denying content, and enable discreet online surveillance.



NetAbstraction is an easy to use, cloud-based service, that obscures and varies network pathways, while protecting customer identities and systems. NetAbstraction's patented design provides secure, varied, and non-apparent network connectivity, a range of identity management and persona attribution options to alter or reduce the cyber attack profile; and system designs to help control customer information held within commercial cloud provider databases. In addition, NetAbstraction augments the multi-layered security capabilities provided by the commercial cloud providers, to include implementing dynamic security policies to help ensure that malicious traffic is not allowed to enter the network.

NetAbstraction transparently distributes the communications activity within and across multiple clouds and regularly churns the underlying network infrastructure. The dynamic shifting of communications across multiple commercial providers and use of multi-hop transport makes actual user information and origination location and identities a very difficult target for hackers, search engine optimization companies, or other privacy threats. NetAbstraction offers a range of interface options to connect to our service, to include: a lightweight browser plug-in for malware protected browsing, a software-based Virtual Private Network (VPN), virtual desktop solutions, and automated collection capabilities. We also provide custom user-defined interfaces and connectivity in response to customer requirements and needs.



The NetAbstraction malware protected browser provides:

- ✦ Lightweight Browser Plugin to a standard Firefox, Google Chrome, or IE browser on multiple operating systems: Windows, MAC, Linux, etc.
- ✦ One time use throw-away VM to compartment browsing activity, prevent malware, and eliminate your digital footprint – tracking cookies, browse fingerprinting or device characteristics are passed to target websites;
- ✦ NetAbstraction Dashboard provides granular user-management and audit capabilities to include: web history reporting, connection reporting, file download/upload management, web content filtering, anti-virus scanning, geographic egress availability, etc ;
- ✦ Lossless streaming media in real-time: video, audio, and large file transfers both up and down, etc.;
- ✦ Range of geographic egress and persona options to disguise user identity, location, device, OS, browser, etc.
- ✦ Software-based implementation and seamless user experience – virtually no training required!
- ✦ NetAbstraction is NOT a proxy! – proxy services are often blocked or filtered by target websites.

The NetAbstraction OpenVPN solution provides several additional unique capabilities:

- ✦ OpenVPN client-based interface options

- * Web-based management dashboard allows for seamless route selection
- * All Internet bound traffic will be obfuscated via the NetAbstraction network and allows for utilization of: full command line access, proprietary and off-the-shelf tools, and desktop applications, etc.
- * Dark web access – leverage NeAbstraction’s obfuscated network as a layer of cyber security and identity protection between you and your Dark Web activities and research.
- * Automated collection solutions to load balance IP addresses across a range of geographic egress locations and providers to improve collection quality on target websites.
- * NetAbstraction network has been extensively red-teamed and approved for a range of offensive and defensive cyber operations

While NetAbstraction provides anonymization of a user’s Internet activities, it is not recognized by websites as a proxy. (Websites routinely filter for the use of proxies and prohibit anyone using a proxy from access to their sites.) NetAbstraction controls the network routing through its network to abstract user’s location and identity via its patented design.

The NetAbstraction service is only available to organizational users, not private individuals. All organizational accounts will be registered, validated, and initiated through NetAbstraction, Inc. Users will be given a choice of:

- * Using the standard NetAbstraction shared service, which includes:
 - * Variable dynamic routing within and across a range of commercial cloud providers
 - * Route selection from our range of geographic ingress and egress points.
 - * NetAbstraction Management Dashboard to define granular end-user policies, audit and monitor user activity as well as provision and manage account access
- * Establishment of dedicated network elements; which includes:
 - * Dedicated end node identity/identities reached via the shared service providing end-user customization of egress location, provider, frequency of IP address rotation, etc.
 - * Exclusive end-to-end networks for data communications that can be implemented with a variety of options.

While NetAbstraction maintains logs on the time of log in, egress node accessed, and the amount of bandwidth used, the system was designed to not be able to track a customer’s Internet activities.

ABOUT US



NetAbstraction™

NetAbstraction, Inc. is an Internet and cyber security firm that offers services that lower your organization’s systems “visibility” as a target on the Internet. Our management comes from backgrounds working for the federal government, enabling capabilities to support several Intelligence Community missions.

With substantial experience in offensive cyber operations and in designing, creating, and implementing non-traditional, non-attributable, telecommunications networks, we have a deep understanding of the current state of the art technologies. We are innovating and providing the next generation of privacy and identity protection capabilities while understanding, first hand, the challenges our customers face when meeting today’s cyber and privacy needs.