

# ION™ Secure Virtual Desktop

## The Inherent Dangers of Internet Operations

Computers that access the Internet for research and investigations are at risk of compromise by online viruses, malware, and other types of malicious code, especially when operating in the dark corners of the web. Organizations must safeguard users and systems from these growing online dangers while maintaining the ability to securely surf the web, download critical intelligence, and conduct successful operations.

## Protect Your Network. Protect Your Users.

*ION Secure Virtual Desktop* is a separate online workspace that insulates and protects the user's equipment and networks by providing:

**A Clean Virtual Machine**—A new, sandboxed, virtual work environment in the Ntrepid network cloud is created each time the user logs in to the system.

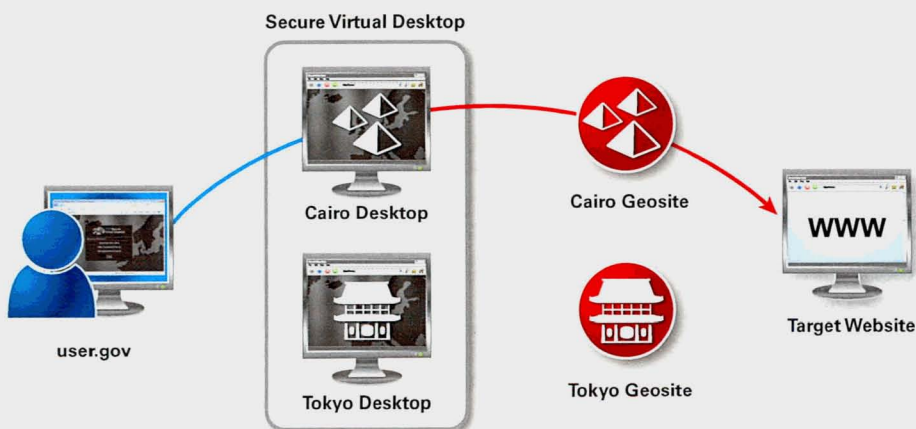
**Obfuscation**—Unique non-attribution features allow the user to blend in with target website traffic during online operations, removing government affiliation.

**Geosites**—To accommodate mission needs, Ntrepid's unique global exit point capability can be incorporated to ensure all user activities are appropriate to, and originate from, a desired location.

**Safe Downloads**—Downloaded intelligence is sent through an independent Exfil channel where it is checked for malicious code before it reaches the user's actual workstation. Flagged items are quarantined to alert the user of malware.

**Session Wipe**—After logout, the virtual environment is deleted, without any history of online activities remaining.

*ION Secure Virtual Desktop  
is a safe, virtual work  
environment that protects  
the user's computer  
and network from  
malware, viruses, shared  
cookies/cache, and other  
malicious code.*



*In the sample scenario, the user logs in and chooses the Cairo Secure Virtual Desktop. All online activities occur in the virtual environment, keeping browsing history, cookies, and malware from transferring to the user's actual workstation. All Internet traffic routes through the Cairo Geosite, allowing the user to blend in with the normal target website traffic.*

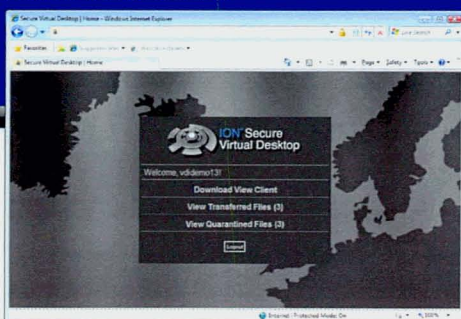
## User's Secure Virtual Desktop

User accesses a virtual interface leaving the actual workstation completely untouched.

## User's Physical Desktop



## Exfil Welcome Screen



Downloaded items are initially stored in the virtual machine. For transfer to the user's actual workstation, items are sent through an independent Exfil channel, where they are checked for malicious code. Flagged items are quarantined to alert the user of malware.

## Further Advantages of ION Secure Virtual Desktop

- ▶ IP address rotation and global exit points for non-attributable Internet traffic
- ▶ Number of concurrent users is scalable depending on operational needs
- ▶ Software and network configuration of virtual environment can be customized
- ▶ Completely supported by dedicated, full-time staff
- ▶ Hosted at an Ntrepid facility or customer location

Learn how ION can secure your Internet operations, contact us at

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