

# NMCI Desktop Virtualization

Secure and flexible computing like never before



## What is desktop virtualization?

In your job, you probably have a traditional desktop computer sitting on—or under—your desk. If that's the case, you are operating in a traditional computing environment. While this is a common computing platform, traditional computing environments are expensive to install and maintain. More importantly, a traditional computer is difficult to protect against cyber-attacks because users could create unintended risk with what they do with their computer.

What if you could take advantage of today's high-speed computing by tapping into a powerful data center that allows you to work on a desktop without worrying about its security? And because this infrastructure could perform the job of thousands of individual PCs, it would be cheaper to maintain using centrally located service technicians rather than field technicians distributed to every site with desktop computers. More importantly, a centralized computing model would be easier to standardize and protect from intruder attack because data would be secured at the data center, vulnerabilities would be mitigated quicker, patches deployed faster and data protected more robustly.

Navy Marine Corps Intranet (NMCI) Desktop Virtualization (DV), also known as Hosted Virtual Desktop (HVD) or Enhanced Virtual Desktop (EVD), is a flexible, secure and cost-effective platform providing you with increased efficiency and productivity. The difference between DV and a traditional physical workstation is using a virtual desktop to access all of your data and applications from a cloud-based server, located in a data center instead of a physical workstation. This cloud-computing platform allows a variety of devices to connect to a virtual desktop—

freeing you from the traditional model which forces access from a physical NMCI workstation connected to the NMCI network.

## DV provides unprecedented flexibility

### Allows access from multiple devices

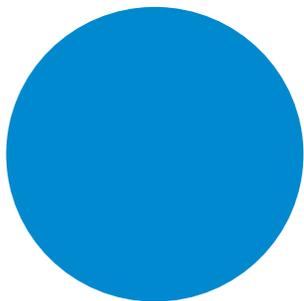
With DV, your desktop is accessible from various devices allowing you to continue working as you move between devices at your convenience. The DV solution uses DoD approved encryption in conjunction with common access card (CAC) authentication technologies. This securely connects you to your virtual desktop, applications and data using a variety of CAC-enabled, non-Navy devices.

### Allows access to data from any location

Because data is stored at a data center, your virtualized desktop and data are accessible from a variety of Navy and non-Navy CAC-enabled devices, including zero clients, thin clients, tablets and PCs with internet access. Simply put, when you are away from a Navy site, this solution allows you to use your own equipment to access your virtual desktop while complying with Navy security policies.

### Improves secure data availability in the event of a disaster

Continuity of Operations (COOP) is increasingly important. The DV architecture supports device independence, allowing you to work securely on your virtual desktop (via the internet) even if your workplace is inaccessible due to weather or any number of reasons. If you have internet connectivity to the data center, then you can connect to your desktop.



## Benefits

- Enhanced flexibility to work from non-Navy devices and from a variety of locations
- More secure computing and data storage platform
- Minimized user interruptions through offline security patch and software updates
- Reduced end-user hardware issues
- Centrally managed applications provide productivity and cost efficiencies

## DV improves network security

### Reduces risk, protects data

With DV, your data is retained at a central data center instead of your PC's hard drive. Storing and retaining data at the data center provides you the following benefits: There is a reduced chance for data loss or theft since it is stored in the data center and not on your local device. Your data is protected with centrally controlled security.

### Maintains data integrity and enables rapid patch deployment

With DV, virtual desktops are centrally managed and maintained, guaranteeing the most recent application and operating system patches because fixes are applied centrally to master images— eliminating time-consuming software pushes and eliminating the related day interruptions. This means each time you access your virtual desktop, you will have up-to-date applications.

## DV reduces claimant costs

### Purchase less hardware

With the DV service only model, contractors can use a non-Navy computer to access the network when they are away from a Navy site by using their own device to remotely access the network.

### Centrally managed installations provide time and cost efficiencies

The DV solution provides approved applications that are pre-installed and available, preventing non-approved application installations and ensuring all

virtual desktops are on a single, approved platform. Centralizing application installations saves valuable time, prevents costly and unapproved rogue installations and eliminates the use of multiple versions of the same software across the enterprise.

### For more information

Go to the DVHomeport page located at [www.homeport.navy.mil/services/evd/](http://www.homeport.navy.mil/services/evd/)

Training and support are available on Homeport at [www.homeport.navy.mil/support/articles/evd-topic-guide/](http://www.homeport.navy.mil/support/articles/evd-topic-guide/)

### Contact:

Rayna K. Madsen  
NMCI End User Services Request Fulfillment  
757.455.9581

Judy Santos  
Perspecta  
Application/Desktop Virtualization  
Product Manager  
571.508.0482