



Virtualization has drastically revolutionized modern computing and information technology (IT).

The ideology behind virtualization is the separation of software, including applications and operating systems, from hardware. Traditional systems are configured with one operating system (OS) installed on one server. This 1:1 binding can be inefficient and problematic. With virtualization you can install multiple OS's on a single server or even more desirable, install multiple OS's on a pool of servers.

Clustering your servers as virtual hosts allows you to pool your computing resources (CPU cycles, memory space, etc) and provision them appropriately. In addition you will achieve higher availability, ease of management, and scalability.

Virtualization can be applied to server or desktop solutions. For your server environments you reduce CAPEX and OPEX by achieving a consolidation ratio of up to or exceeding 5:1 (Virtual Server to Physical Server). This ratio will only improve as advancements in server technology are made. Desktop virtualization usually touts even more impressive numbers, providing a significantly smaller energy footprint. Virtual Desktop's can increase portability while streamlining desktop image maintenance and lifecycle upkeep.

Our virtualization engineers are experienced various platforms, environments, solutions, and magnitude; including classified DoD networks, data center consolidation, optimized disaster recovery designs, and desktop virtualization solutions ranging in the hundreds of users. Nova Datacom is also extremely versed in network design and cyber security, allowing for the most efficient and secure deployments possible.

Our refined procedures and methodology will ensure that we will provide industry leading designs and provide full professional implementation services.

Virtualization solutions include, but not limited to;

- ❑ Desktop Virtualization (PCoIP, PanoLogic)
- ❑ Server Virtualization (VMware)
- ❑ Storage (Dell, HP, EMC, NetApp, etc)
- ❑ Data Center Consolidation
- ❑ Physical to Virtual Migration
- ❑ Disaster Recovery / Continuity of Operations



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