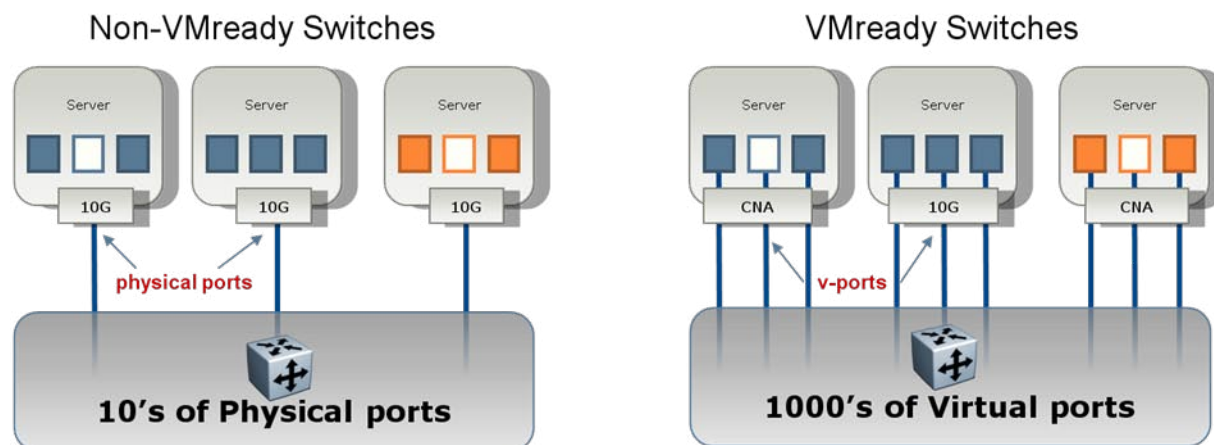


## Virtualization Challenge

As demand for greater processing continues to outstrip available space, power and air-conditioning, the market has turned to server virtualization in order to maximize resources. However the increase in virtualization comes at the price of additional complexity and overhead. Current networking switches are not aware of Virtual Machines and this exposes the risk of service outage and security breaches due to incorrect network configuration preventing virtualization from reaching full potential in creating cloud and dynamic data centers.

## VMready™

BLADE Network Technologies has patented a unique solution to enable the network to be Virtual Machine aware. The approach extends the concept of virtualization into the network, allowing network policies to be configured for virtual ports (v-ports), rather than just the physical port.

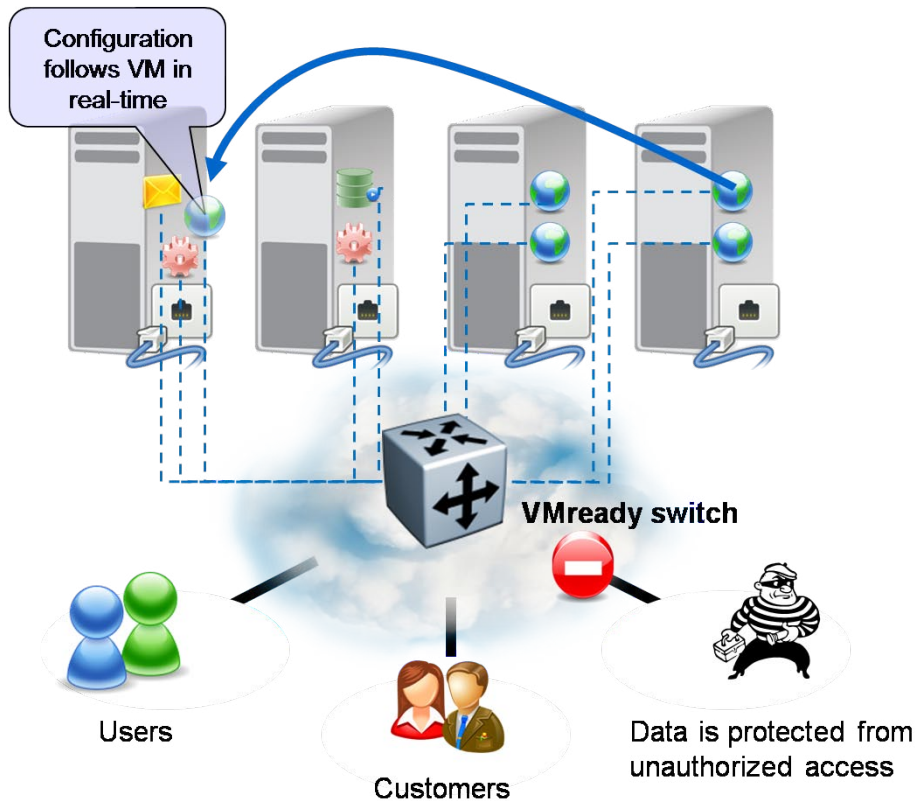


VMready provides:

- Recognize individual virtual machines within physical servers
- Assign unique networking characteristics for each VM, such as
  - VLANs
  - QoS
  - Security ACLs
- Support all leading Hypervisor vendors, such as: VMware, Microsoft, Citrix and RedHat
- Fully integrate with hypervisor managers such as VMware's vCenter to enforce the same networking policy in physical switches and vSwitches
- Recognize as Virtual Machines are created and migrated
- Move the network policies in real-time to the new locations to ensure that Virtual Machines stay available and secure as they migrate

With VMready, as VMs migrate across physical hosts in response to changing conditions, so do their network attributes. Virtual machines can be added, moved and removed while retaining the same ACLs, QoS and VLAN attributes.

VMready allows for a 'define once, use many' configuration that evolves as the server and network topologies evolve. Administrators no longer need to worry about the consequences of configuration errors or deal with repetitive tasks with VMready.



VMready assigns network policies on a VM level to guarantee the appropriate allocation of networking resources. VMready is able to monitor and detect events in the virtual environment so that network policies remain associated with their virtual machines no matter where they reside.

## VMready products

VMready is currently available as part of BLADE OS 6.1 and SmartConnect 41.1 software upgrades on the following platforms

- IBM BladeCenter
  - BNT Virtual Fabric 10G Switch Module
  - BNT 1/10G Uplink Ethernet switch module
- HP BladeSystem
  - HP 1:10G Ethernet BL-c switch

SmartConnect 41.1 also provides enterprise class switch stacking with up to 8 switches per stack

Learn more about VMready at [www.bladenetwork.net/vmready](http://www.bladenetwork.net/vmready)