How to Build a Lab to Hack Safely

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Practice builds knowledge, knowledge builds confidence

— SuperDale

SuperDale Rules

- I Promise NOT to "tryout" tools on my production network

- I understand that neither the author nor PluralSight is responsible for my actions

- Uncle Ben's statement

Your Virtual Lab

Host Machine

Hyper-V

VMware

VirtualBox

Host Machine

Windows 8.1 Enterprise / Server 2012R2

16GB RAM

50GB hard drive

1 NIC

Virtual Machines

Windows 8.1
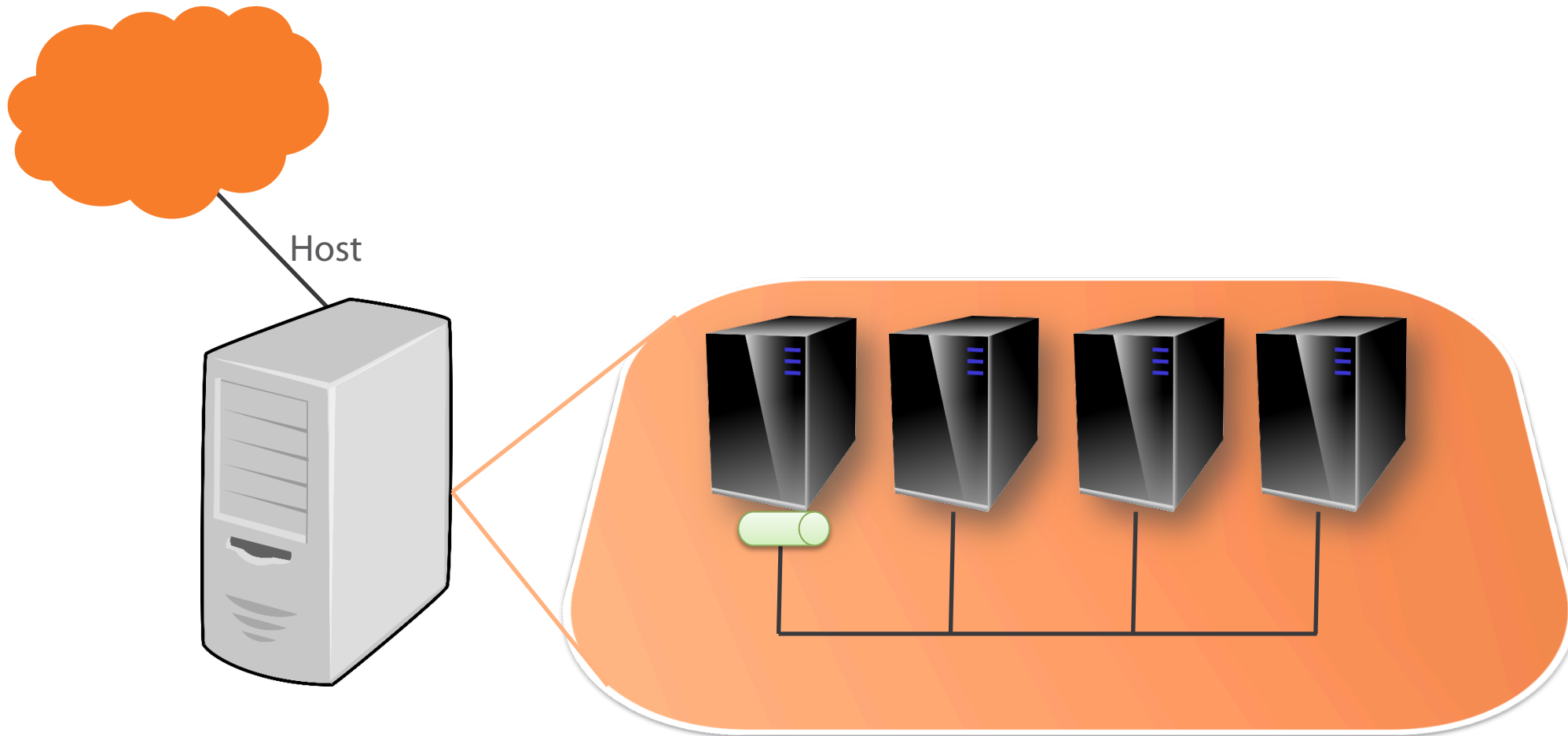

Windows 7

Server 2008/2012

BackTrack/Kali

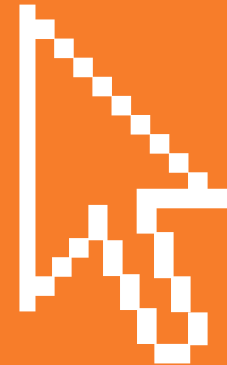# Configure Your Virtual Environment

Virtual Network

Host

Private LAN

Get Your Download On

1. Install from DVD/ISOs
   a) TechNet/MSDN/Volume Licenses Downloads
   b) Trials (Eval Times)
   c) BackTrack/Kali - http://www.kali.org
      a) Full vs Mini vs VMware
2. TechNet Evaluation Center
3. Microsoft VHD Program

Demo

- ❑ Getting source OS's

- ❑ Configure virtual network

- ❑ Install clients
  - ❑ Install DNS

- ❑ IP Addresses
  - ❑ Additional network settings

The Host Machine

```
http://tinyurl.com/ethicalW7P1

http://tinyurl.com/ethicalW7P2

http://tinyurl.com/ethicalW7P3

http://tinyurl.com/ethicalW7P4

http://tinyurl.com/ethicalW7P5

http://tinyurl.com/ethicalW7P6

http://tinyurl.com/ethicalW7P7
```
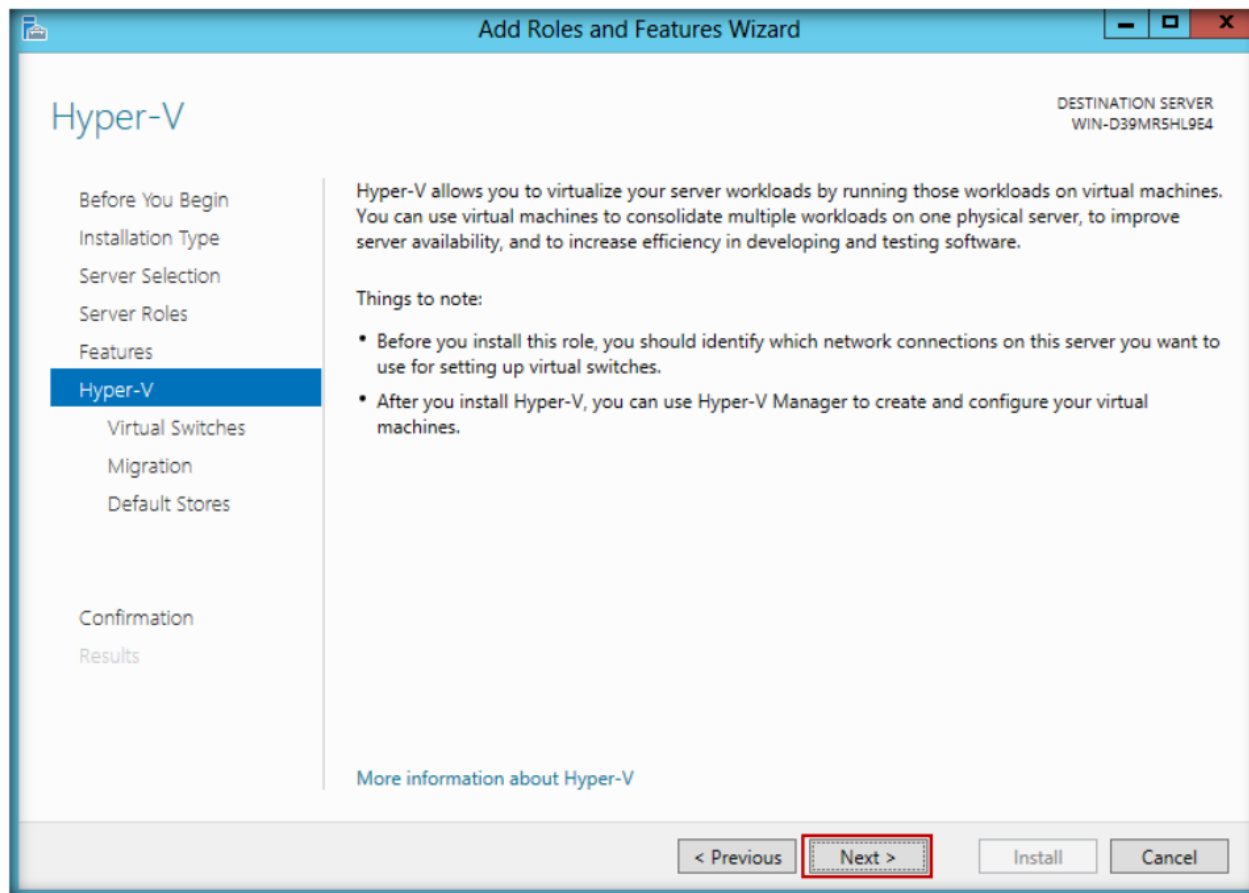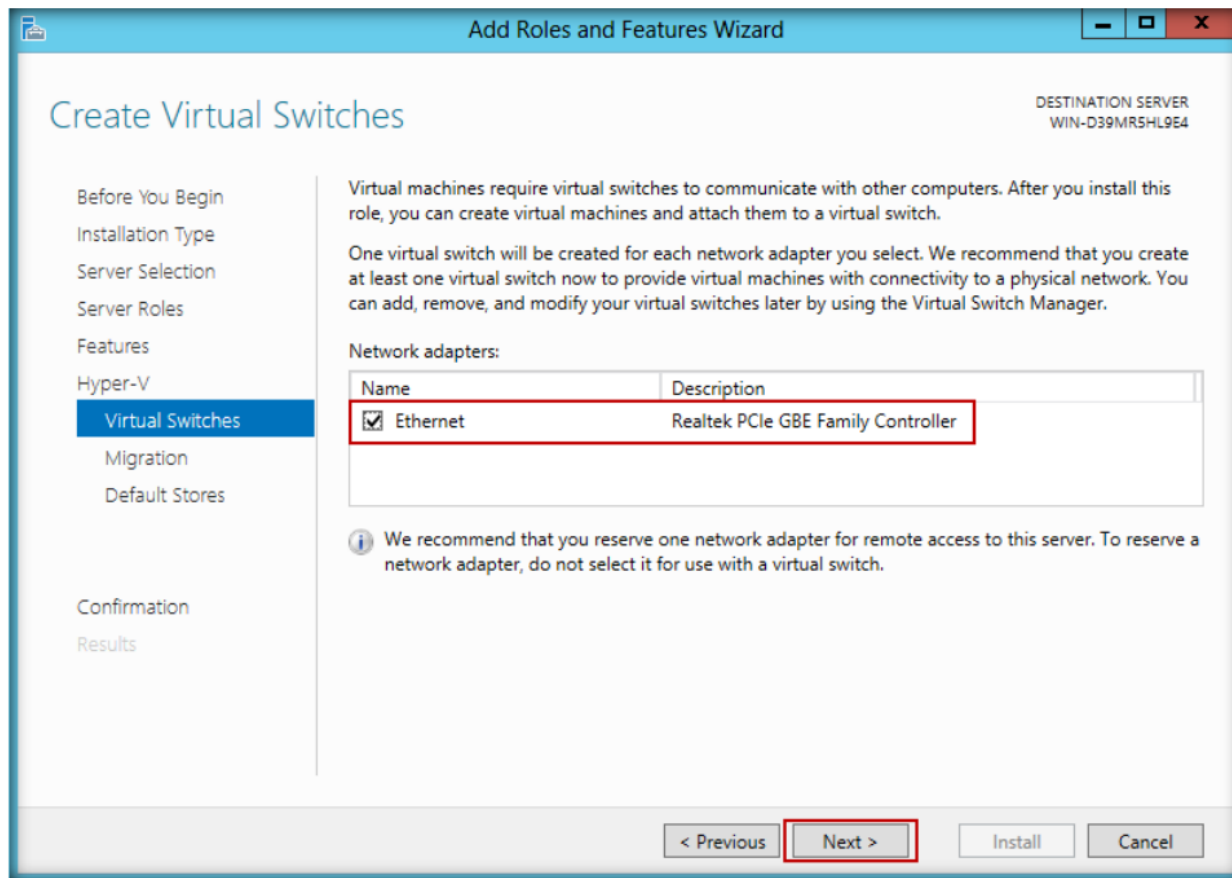
Windows 7 SP1with IE9

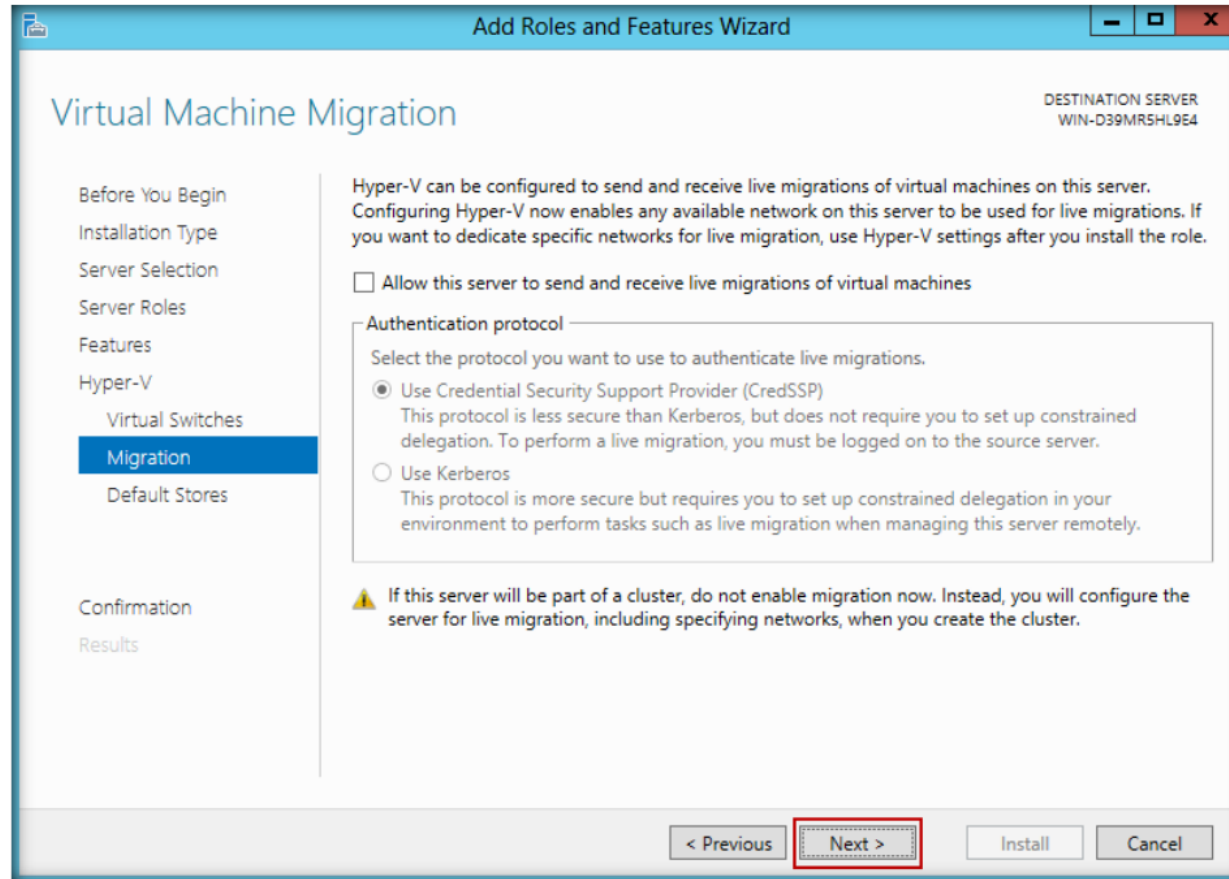7 downloads – Put them in one directory and expand.

Installing Hyper-V on the Host Machine
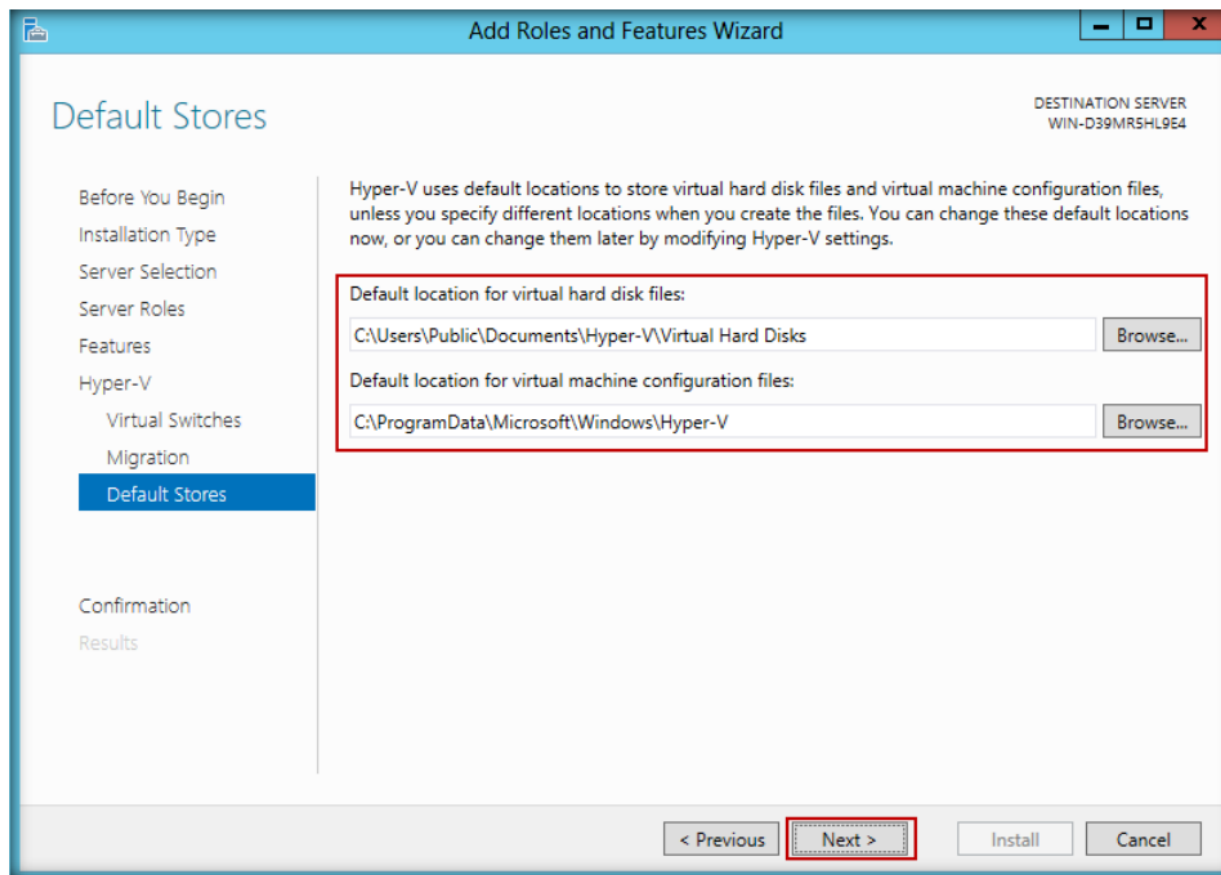
Installing Hyper-V on the Host Machine

Installing Hyper-V on the Host Machine

Installing Hyper-V on the Host Machine

Summary

- The DO's and DON'T's

- Clients

- Virtual network

- Setup the Host Machine