Putting PowerShell to Work

INTRODUCTION AND WELCOME

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You are new to PowerShell

You can copy and run commands

But you need to know *why* they work

Who am I?

Long time Microsoft MVP

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Longtime Pluralsight author

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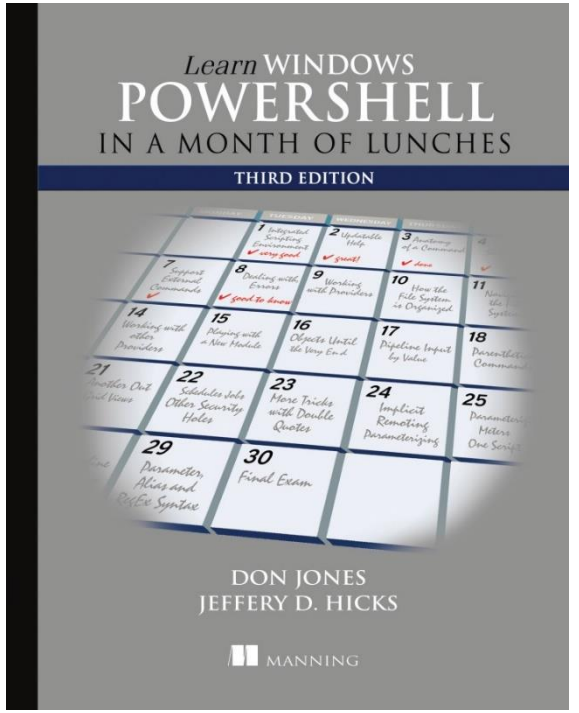
Author & Speaker



Course Scenario

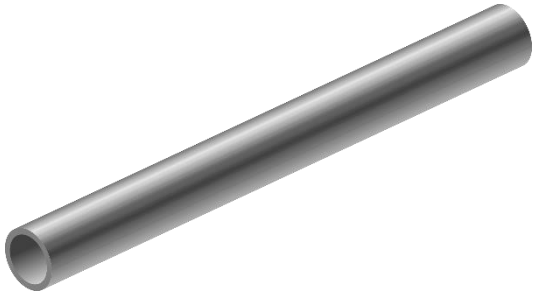
Windows Admin with a few years experience

You've been dabbling in PowerShell

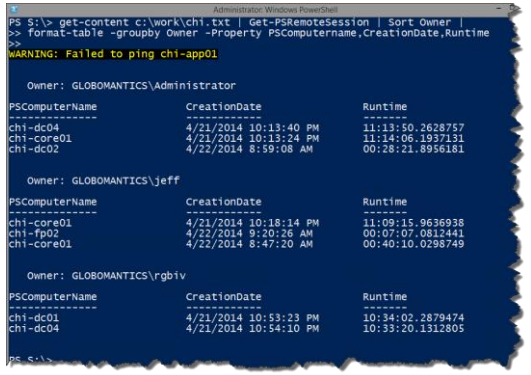
How does PowerShell work and how should you use it?

Our Objectives

Learn about the role of objects



Understand how the pipeline works



Explore how to use formatting cmdlets

Discover how to use background jobs

No PowerShell scripting

Emphasis on using PowerShell from the command line

What to Expect

Emphasis on seeing PowerShell at work

Feel free to follow along

PowerShell v5.1 on Windows 10

Should have admin rights

Or setup a lab environment

No servers needed

AutoLab

8GB-16GB of RAM

50GB-100GB free disk space

Computer that supports Hyper-V virtualization

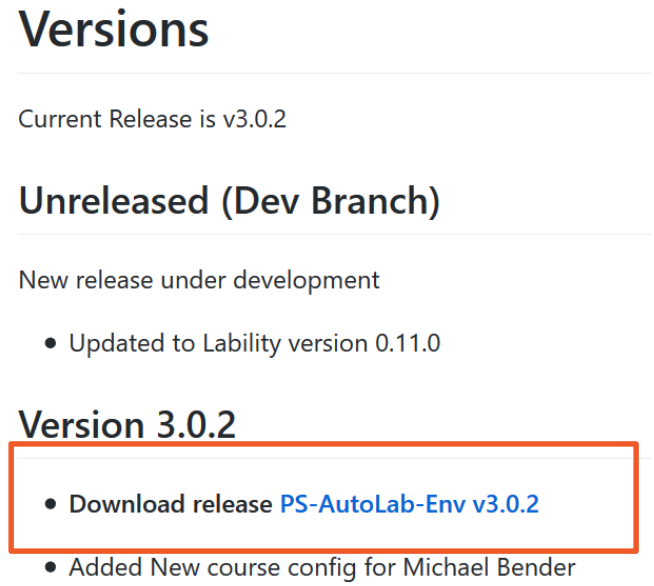
https://github.com/theJasonHelmick/PS-AutoLab-Env

Scroll through the README

Download the latest release zip file

Extract zip file to C:\

Reboot before running setup



Open elevated PowerShell prompt

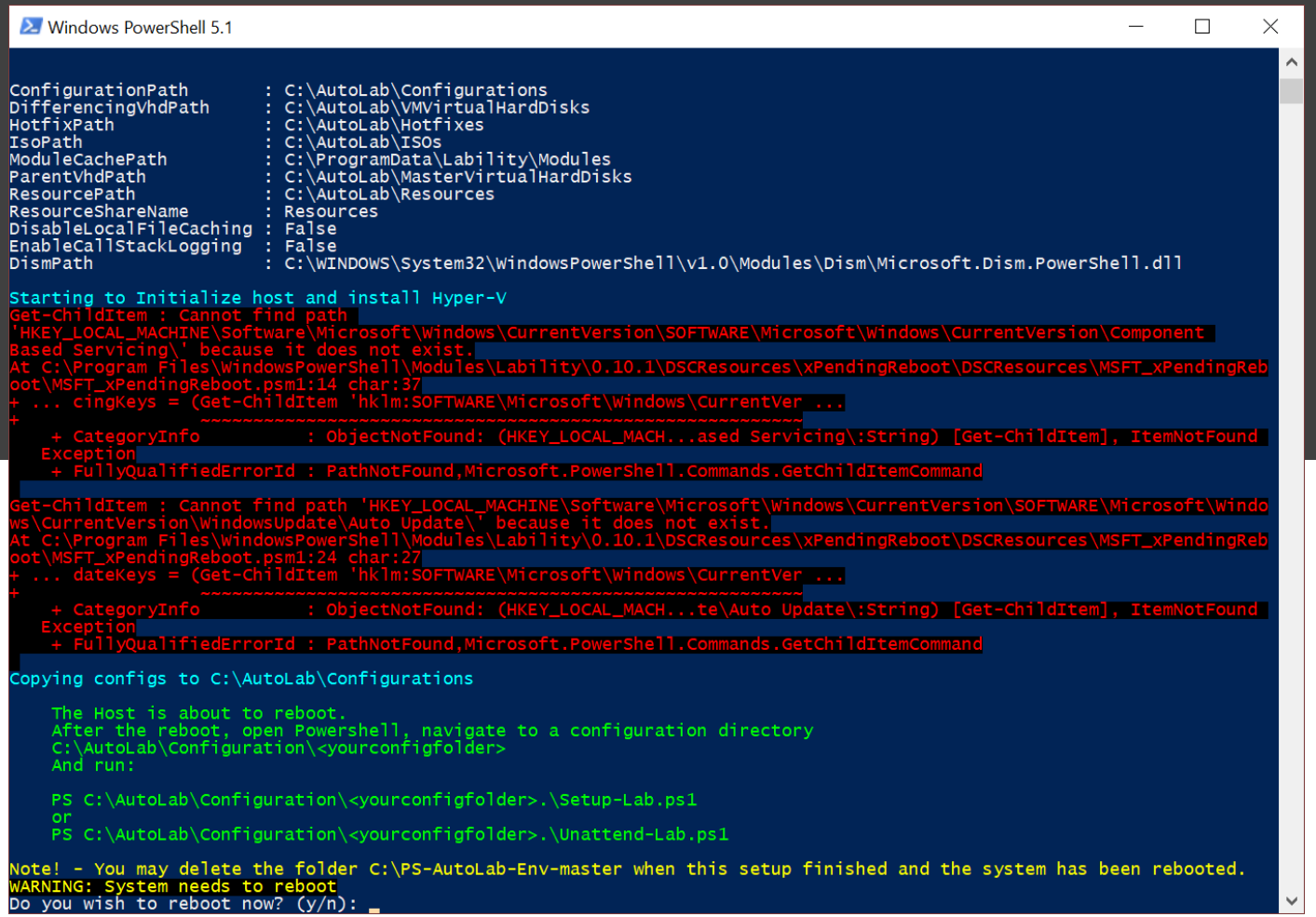
Type: cd C:\PS-AutoLab-Env-<version>

Type: .\Setup-Host.ps1

Follow prompts

Some errors are ok

Reboot as necessary



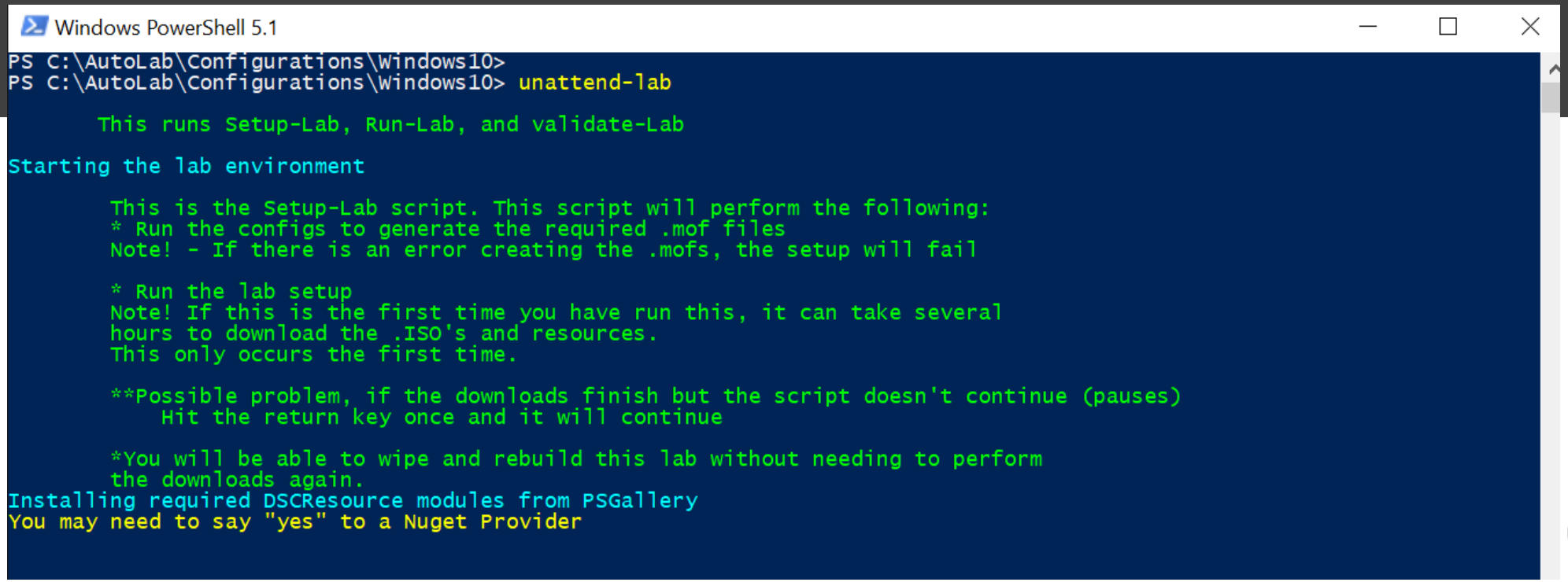
Open elevated PowerShell prompt

Type: cd C:\Autolab\configurations\Windows10

Read: Instructions.md

Run: unattend-lab

Wait…

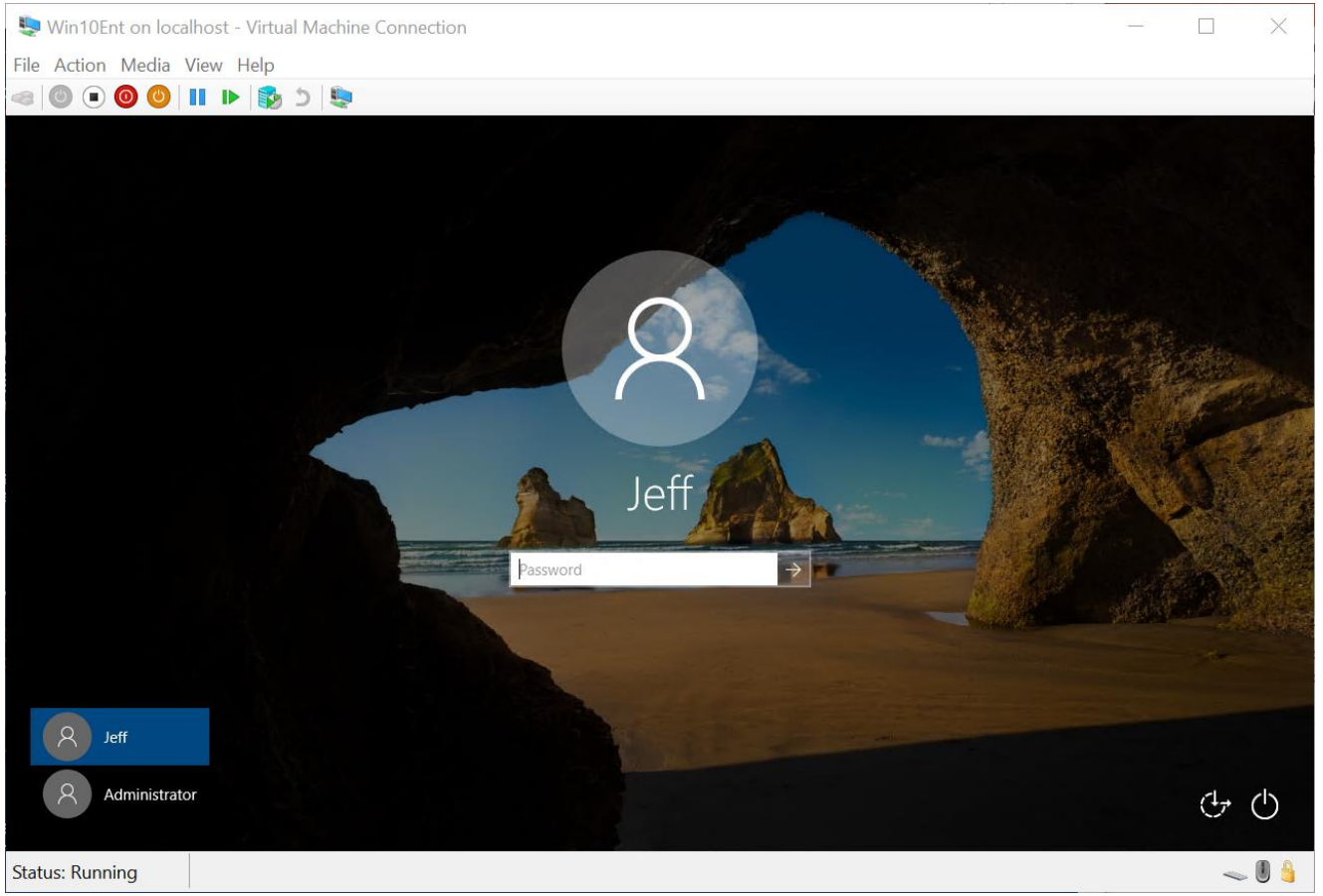


Use Hyper-V to manage the VM

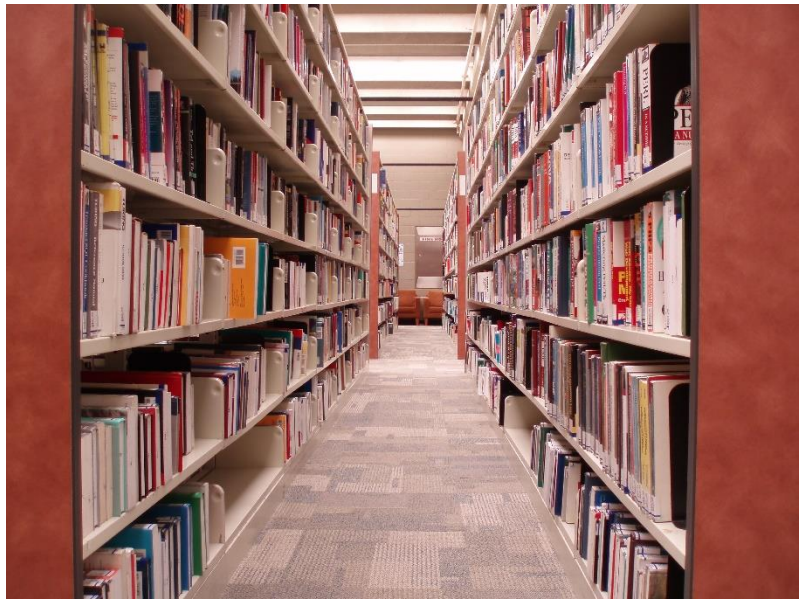
Use Remote Desktop or VMConnect to connect to client

Logon with your username

P@ssw0rd



Related Material



PowerShell: Getting Started – Michael Bender (Pluralsight)

Learn PowerShell in a Month of Lunches, 3rd ed. by Don Jones and Jeff Hicks (Manning 2017)

Learning PowerShell is like learning a foreign language – use it or lose it.

Summary

We know where we're going

We know how we're going to get there

Get ready and let's go!