

# WELCOME TO TECH | IMMERSION

**Windows PowerShell and WMI Stuff**

*Presenter: Don Jones*

# Reaching the Enterprise From Your Chair by Using PowerShell and WMI

- What the heck is WMI – and why is it so ugly?
- PowerShell and WMI: A Match Made in Redmond
- Tricks and Trips for Wrangling WMI
- Building an Inventory Tool that Uses WMI

# A Bit About Me

- Windows PowerShell MVP
- Blogger, WindowsITPro.com
- @concentrateddon
- [Linkedin.com/in/concentrateddon](https://www.linkedin.com/in/concentrateddon)
- *Learn Windows PowerShell in a Month of Lunches*
- *Windows PowerShell v2.0: TFM*
- “Lunches” is available here for a special discount that includes its companion DVD!

# Oh, and Buy My Book 😊

- Learn Windows PowerShell in a Month of Lunches
- Get an autographed copy AND the companion video DVD shipped to you for \$85.
- Cash or credit.
- Or at least check out [MoreLunches.com](http://MoreLunches.com) – free articles, free videos, and lots more resources.
- Public class **this October** at Interface!

# WMI: The Good, the Bad, the Ugly

- What was WMI meant to solve?
- How is WMI organized?
- How do you explore WMI?
- Where is WMI documented?

# WMI and PowerShell

- It's all in Get-WmiObject
- (and Invoke-WmiMethod, sometimes, or ForEach when that doesn't work)
- Let's look at...
  - List
  - Filter
  - Class
- And how about the output?

# Tips for Wrangling WMI

- Google, Google, Google. Or Bing.
- Pipe objects to **Format-List \***
- Pipe objects to **Get-Member**
- Ask for help (from people, not **Help**)
- The **\_\_SERVER** property

# Building a Tool

- Let's make WMI useful and build a self-contained *advanced function* that utilizes WMI to retrieve multiple pieces of inventory information
  - OS version info
  - Disk info
  - BIOS information
  - Processor architecture



The background of the slide is a deep blue underwater scene. Sunlight rays stream down from the surface, creating a shimmering, ethereal effect. The rays are most prominent in the upper left and center, fading towards the bottom and right. The overall mood is serene and professional.

# Thank you.