The Nano Driven Datacenter

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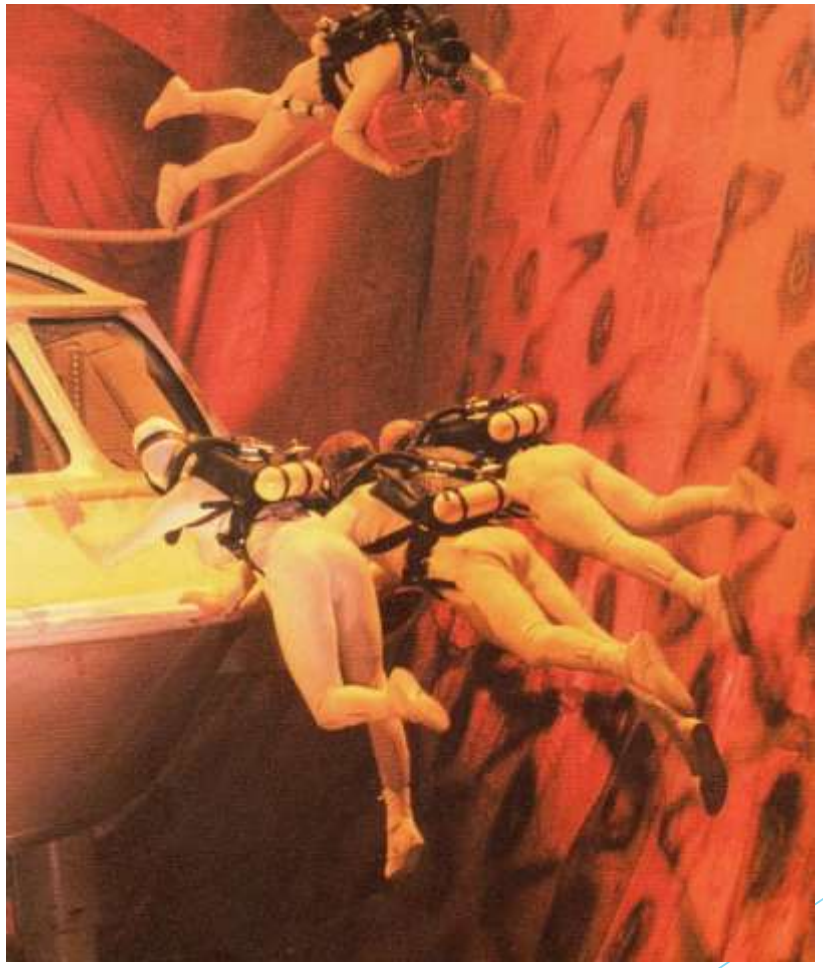
Download demos from:
https://github.com/jdhitsolutions/NanoDatacenter

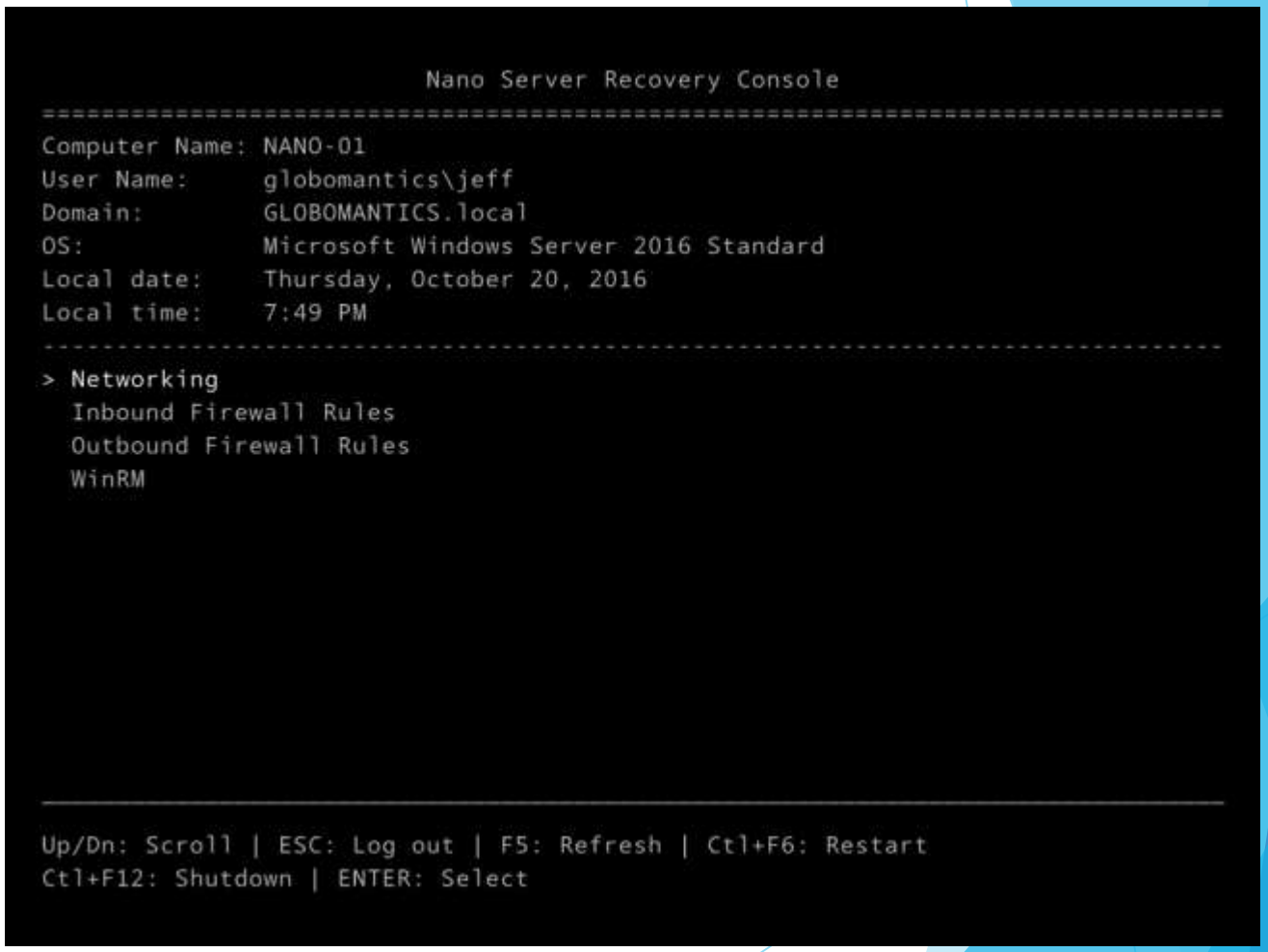
The Future is Tiny

- GUI -> Core -> Nano
- Small foot print
- Potentially smaller resource requirements
- Potentially smaller attack surface
- Potentially few reboots and updates



Nano Essentials

- Built on .NET Core
- Run in a VM or physical iron
- No interactive console
- Use standard remote management tools and PowerShell
- Windows Server 2016



Nano Everywhere!

How far can Nano go in the datacenter?

How hard can it be?

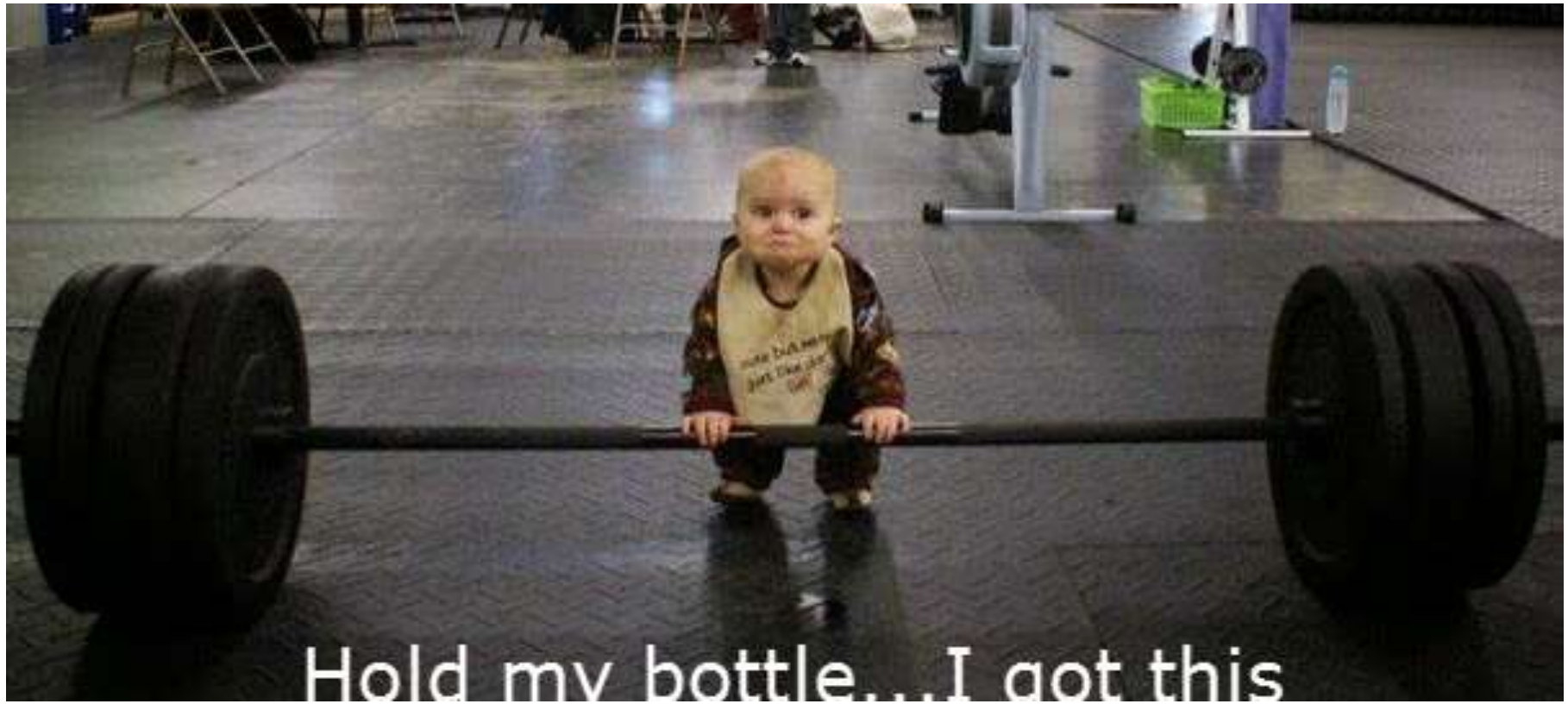
Let’s build a Nano-driven datacenter

My PowerShell/Nano Toolbox

- Custom tooling built around the NanoServerImageGenerator module
- Using RTM media (September 2016)
- Microsoft Hyper-V (Server 2016)
- Desired State Configuration
- Domain environment

Caveats

- .NET Core is still evolving
- I didn’t test full functionality for each server or feature
- I assume you have some familiarity with Nano Server



Let’s Get Small

https://github.com/jdhitsolutions//NanoDatacenter

Discussion & Questions

What are your roadblocks to adoption?

What would make Nano “better”?

Take Aways

- Expect to build your own Nano Server tooling
- DSC Resources might need Nano Server versions
- We need a few more key Nano Server features
- Plan on a lot of trial and error testing

Thank You

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