

# Secure Remote Management with Just Enough Administration (JEA)

**Jeff Hicks**  
**PSSensei**  
**@jeffhicks**

Level:  
Intro/Intermediate

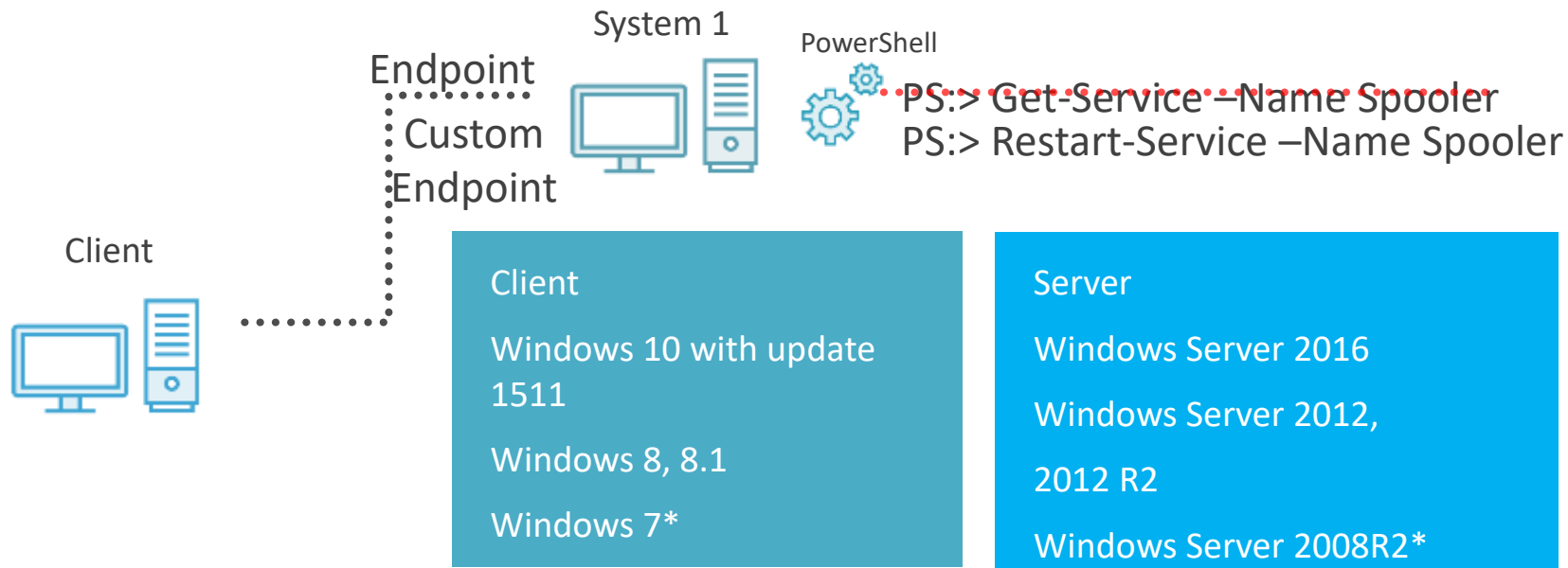
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# What Is this About?

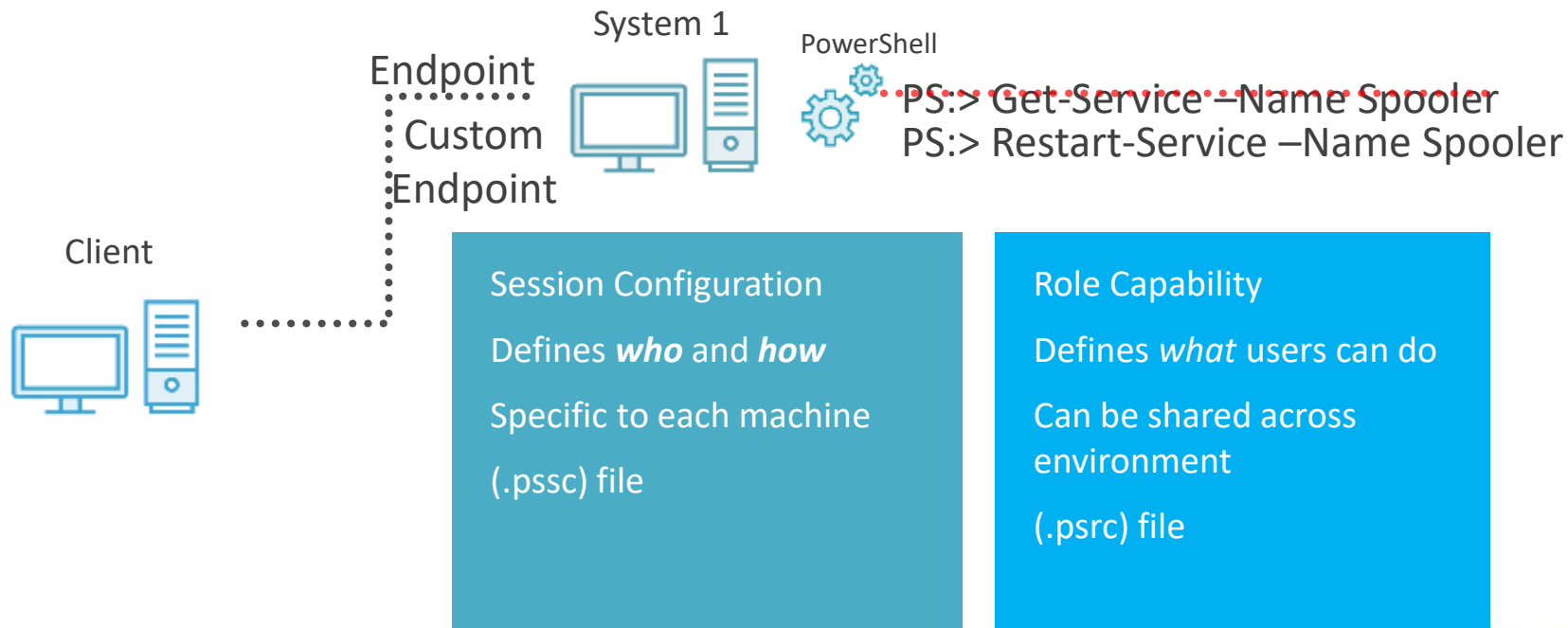
- Remote PowerShell management requires full administrator access
- You may need to provide more limited or constrained access
- We've been able to do this all along...
- JEA makes it easier

# Requirements for JEA



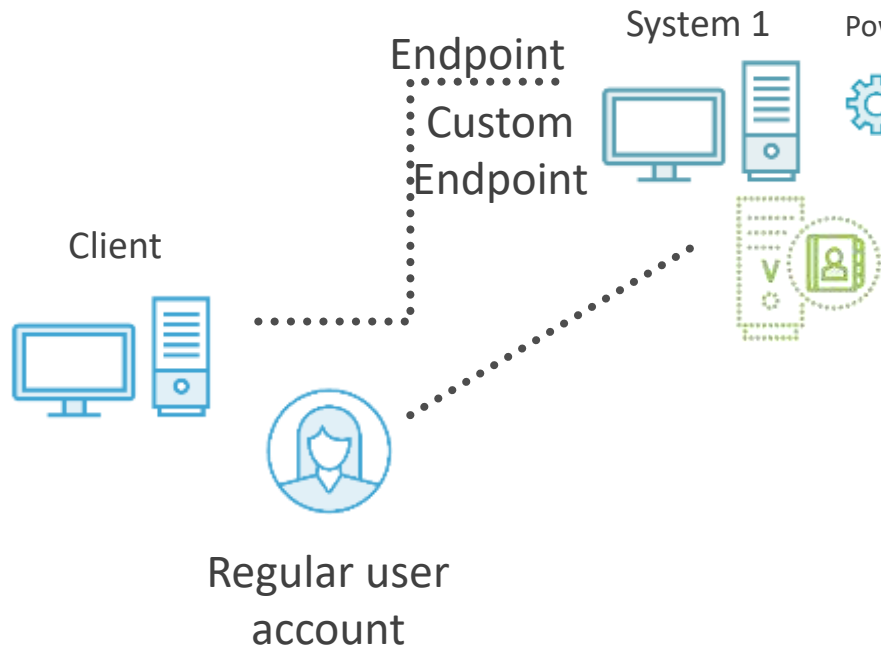
Windows Management Framework 5 or above  
\* Support for virtual account not currently available

# PS Remoting with JEA



# JEA and Virtual Accounts

*Currently does not work for Windows 7 or  
Windows Server 2008R2*



PowerShell

```
PS:> Get-Service -Name Spooler  
PS:> Restart-Service -Name Spooler
```

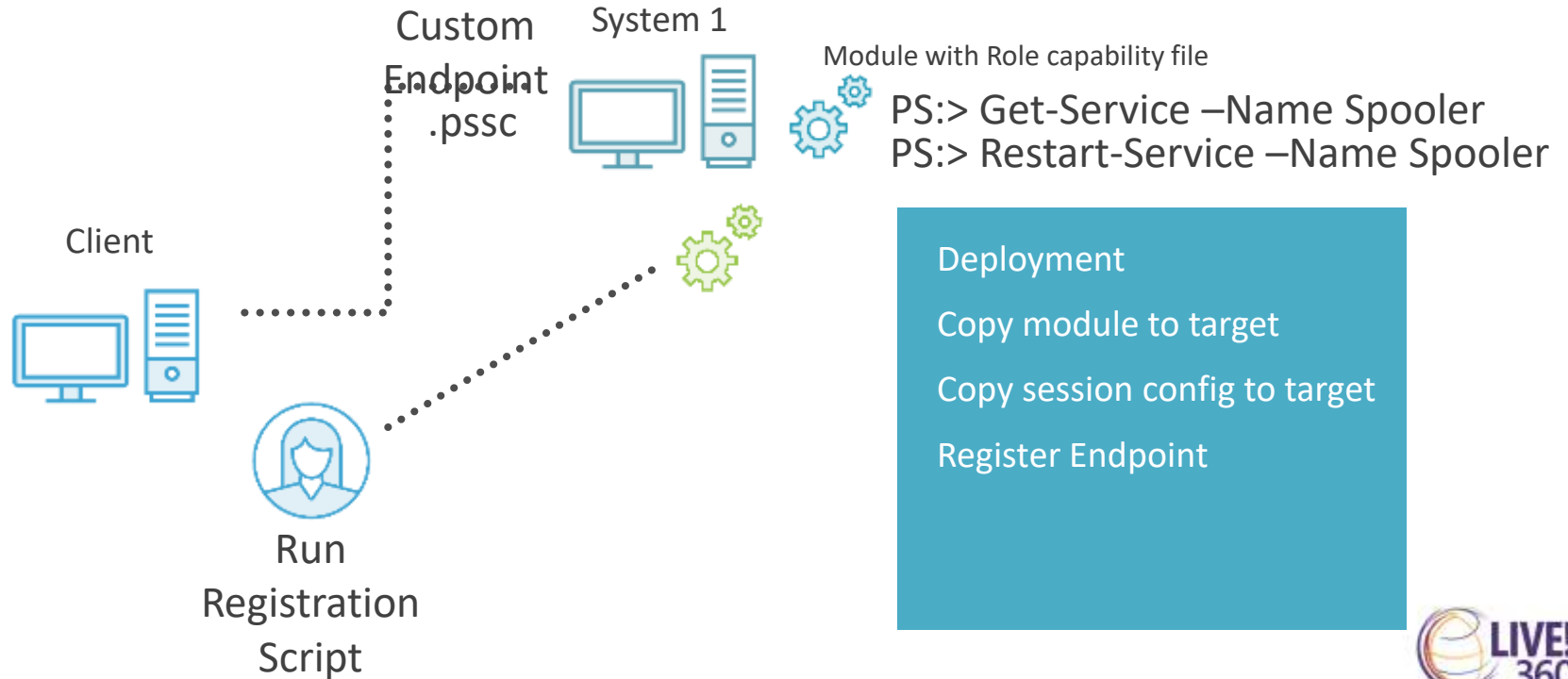
## Virtual Accounts

One time privileged account

Runs under local  
Administrator

Can be configured for other  
accounts

# Automated Deployment



## Benefits

- Reduce the number of excessive privileged accounts
- Easy to create and manage endpoints
- Decide exactly what an administrator can do
- See what administrators are doing

# Challenges

- Many administrators still use older GUI based applications
- PowerShell proficiency is mandatory
- Understanding the exact needs of an administrative role
- Handling emergencies (“Break the glass”)
- Rolling out with educated administrators



# Process

1. Identify the Role and the tasks that need to be enabled
2. Restrict those tasks as needed
3. Put them in a Role Capability file
4. Register the Session Configuration through automation or DSC
5. Test and correct as needed

# Pilot to Production

Work with administrators that have the required PowerShell skills

Define and create roles

Create a “BreakTheGlass” endpoint for emergencies

Test and correct on a few “Pilot” servers

Begin roll-out to other servers

# SHOW ME

# Stay in Touch

- @jeffhicks
- <https://jdhitsolutions.com>
- <https://github.com/jdhitsolutions>
- <https://www.pluralsight.com/authors/jeff-hicks>
- <https://leanpub.com/u/jeffhicks>

