Challenge: Setup the lab automatically

So, it's pretty easy to set up a 2-machine lab manually. No problemo right?

But you see, when testing Active Directory continuously, you need to continuously teardown and rebuild your lab.

This can be a time consuming exercise in the long term.

So let's automate it!

This challenge seems simple but it needs a bit of work.

The Challenge

Let's create two machines, Machine A and Machine B.

- Machine A is the domain controller
    - Domain Name is "auror.local"
    - Has DNS role
    - Create a user "Adam" with password "Pass@123"
- Machine B is the machine to join to domain auror.local
    - Machine B should have Chrome installed
    - User Adam is configured as an administrator
    - Firewall should be off
- Machine A and Machine B must be in the same subnet. For example:
    - Machine A : 10.0.0.9
    - Machine B: 10.0.0.19
    - You may use static IPs in your configuration

Test Cases
- RDP into Machine B with user "Adam" should be successful
- From Machine B as user Adam, the command "net use \\auror.local" should result in command completed successfully
- Run script Powerview.ps1 function "Get-DomainUser" from Machine B should show Adam as a user
- Chrome should be installed on Machine B

Hints for research
- Unattend Installation
- Command "net localgroup administrators /add"
- Vagrant
- Ansible
- Packer

- Terraform

Guidance
- You can build from ISO or a pre-installed image.
- Use code from github for guidance but not copy/paste.
- Spend time on reading documentation.
- Enjoy yourself

Share your results!

Tag me on LinkedIn with #theaurorproject and do any or all of the following
- upload a video of your solution
- share your github link with your code commits that can go in your resume
- Write a blog about your experience (that can also go in your resume)