



MOBIA is a business technology integrator with over thirty years of experience and 500+ employees across Canada and USA. Our talented bench of technical engineers and trusted advisors deliver process improvements and business transformations within our core pillars of **Cloud**, **Infrastructure**, **Software Development**, **Cybersecurity** and **Broadband & Wireless Services**.

Our inside-out approach allows us to understand business challenges from deep within the organization, mapping the impact as it ripples outward. This insight enables us to create future-proof solutions that maximize results and repeatedly exceed our client's expectations.

Adversary Simulation Workshop

Lab Guide:

Import Atomic Red Team Module

Objective:

Ensure that the PowerShell Execution Framework modules are loaded and available for use.

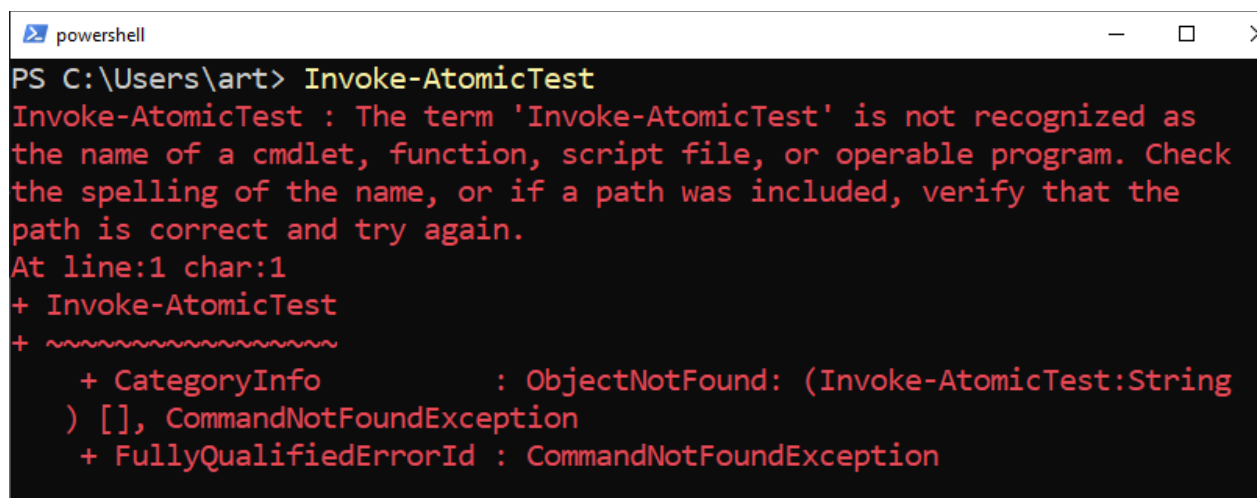
Instructions:

In the previous lab, we installed the Execution Framework. One step taken by the installer is to import the Atomic Red Team module so the functions such as “Invoke-AtomicTest” are available for use. If you are still using the same PowerShell window where you installed Atomic Red Team, the needed modules will already be imported. For example, you could make a call to the Invoke-AtomicTest function and it would be recognized.

```
PS C:\AtomicRedTeam> Invoke-AtomicTest

cmdlet Invoke-AtomicTest at command pipeline position 1
Supply values for the following parameters:
AtomicTechnique:
PS C:\AtomicRedTeam>
```

We don't want to run a test right now, so press Ctrl+C to cancel the command. Now close the PowerShell window and open a new PowerShell window. From this new window, type in “Invoke-AtomicTest” again. Now PowerShell is complaining that it doesn't recognize the command.



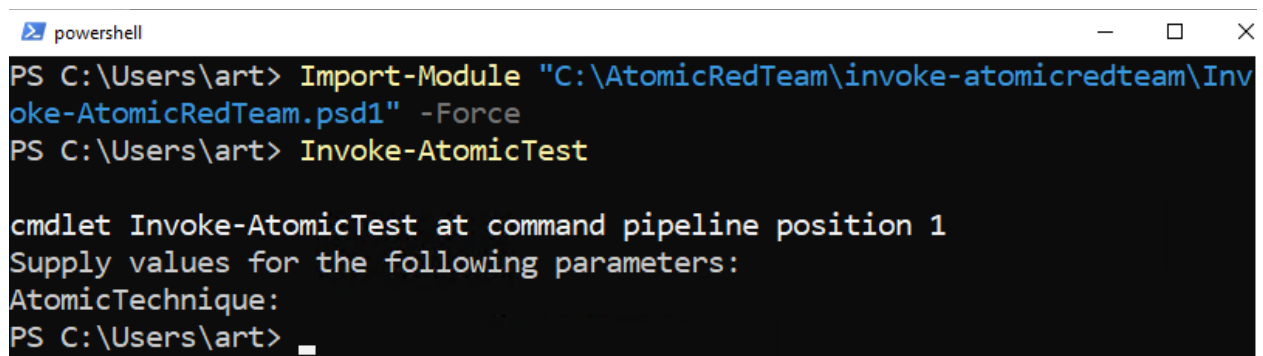
```
powershell
PS C:\Users\art> Invoke-AtomicTest
Invoke-AtomicTest : The term 'Invoke-AtomicTest' is not recognized as
the name of a cmdlet, function, script file, or operable program. Check
the spelling of the name, or if a path was included, verify that the
path is correct and try again.
At line:1 char:1
+ Invoke-AtomicTest
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (Invoke-AtomicTest:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException
```

The Invoke-AtomicTest function is not recognized because the new PowerShell session does not have the Atomic Red Team modules loaded. If you want to run the modules you must import them into PowerShell again.

Run the following command to import the module again.

```
Import-Module "C:\AtomicRedTeam\invoke-atomicredteam\Invoke-AtomicRedTeam.psd1" -Force
```

Now the Invoke-AtomicTest command is available for use again.



```
powershell
PS C:\Users\art> Import-Module "C:\AtomicRedTeam\invoke-atomicredteam\Invoke-AtomicRedTeam.psd1" -Force
PS C:\Users\art> Invoke-AtomicTest

cmdlet Invoke-AtomicTest at command pipeline position 1
Supply values for the following parameters:
AtomicTechnique:
PS C:\Users\art> _
```

Press Ctrl+C to return to the PowerShell prompt.

If you are going to be using the execution framework across multiple PowerShell sessions it could get annoying to have to do the import each time. To make sure that the execution framework is always available for use, even after starting a new PowerShell session, we can add the import command to our PowerShell profile.

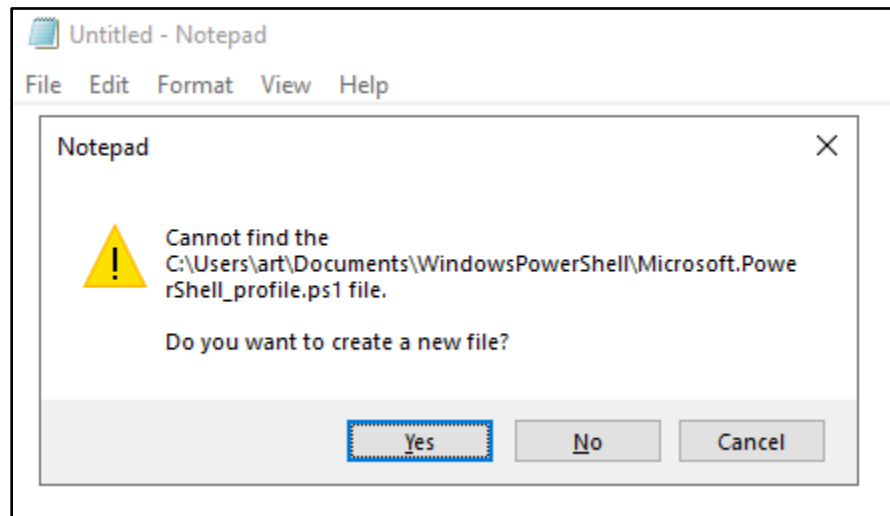
Type the following in the PowerShell command prompt.

```
notepad $profile
```



```
PS C:\Users\art> notepad $profile
```

Notepad should open, and ask if you want to create a new file. Click “Yes”



In the Notepad file, add the Import-Module statement below and save the file.

```
Import-Module "C:\AtomicRedTeam\invoke-atomicredteam\Invoke-AtomicRedTeam.psd1" -Force
```

With the import statement in place in our profile, we can close and restart our PowerShell window and the execution framework modules will already be imported and available for use.

Now, we are ready to use the framework to simplify the execution of the atomic tests.

End of Lab