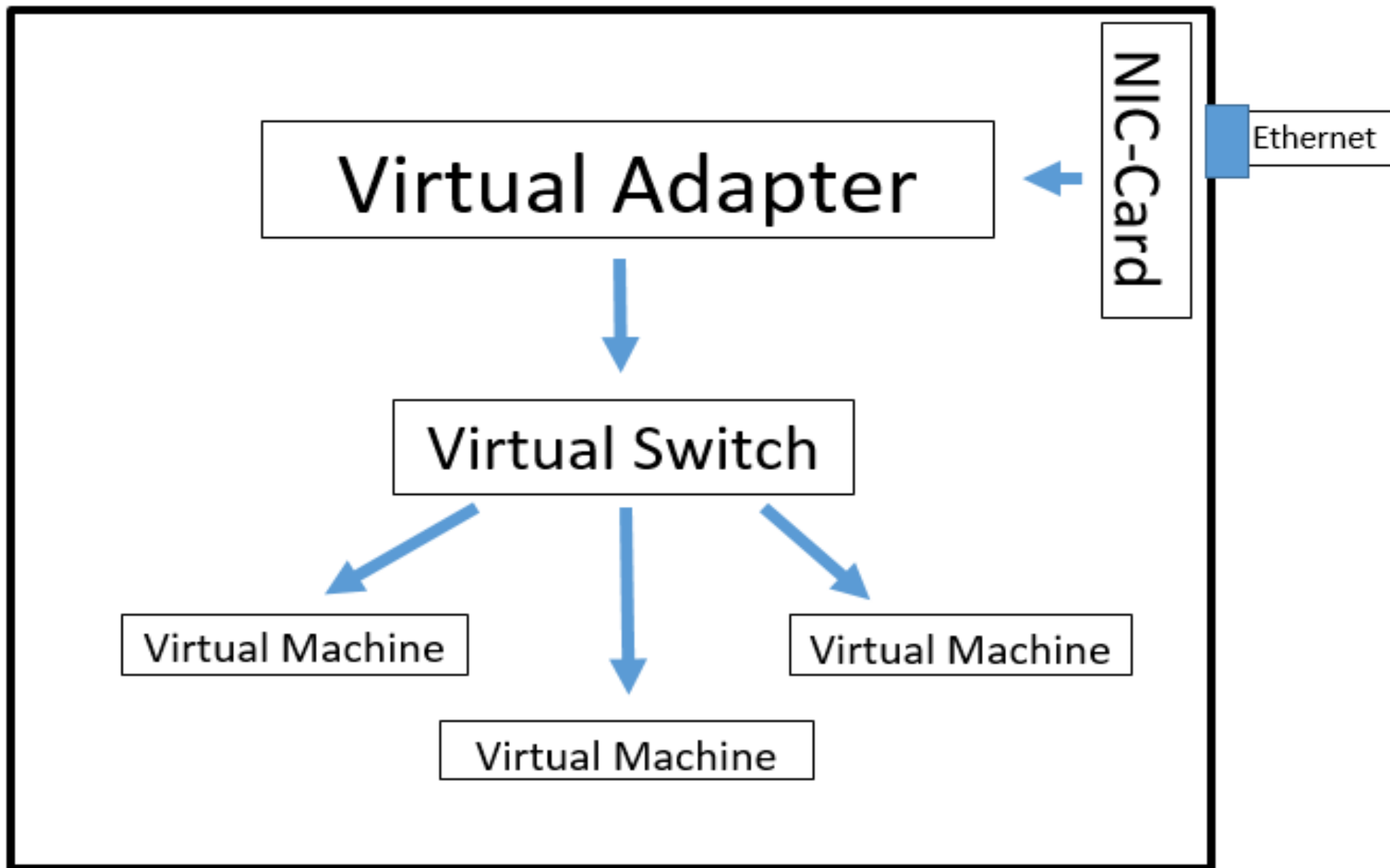# Virtual Machines and Batch Scripting pt. 2

LoopVM_1.Bat

HOST PC

Benefits of VMs

- Testing on several machines without risk
- Testing several machines from one device
- Reduce data footprint

- Command: SYSTEMINFO
- **Part I**: Find boot time
- **Part II**: Find boot time, computer name, OS version and output to file
- Output: format the output.
- **Extra Credit**: Have the script generate the list of computers to be tested!
- **Part III**: ???

COMMAND PROMPT - SYSTEMINFO

SYSTEMINFO-hacking!

- Given command – Now what?

- Boot Time

- Computer Name

- OS Version

- And output to file

- REM   LoopVM_1.bat
- ::   Created By: <Caroline Sonnen>
- ::   Created On: <4/12->
- ::   Location: <OS.MyPrograms>
- ::   Description: Used to find last boot time of computer, IP Address, and OS and print info to text file of VM
- ::   Parameters: RUN
- ::   ::

- @ECHO off

- REM use statement
- IF [%1] == [] CALL :USE

- REM Script Body

- ECHO StartMwayre%Time%
- FOR /F %%a IN (SampleFile.txt) DO (
- SYSTEMINFO /S %%a /U Caroline.Sonnen /P purple15 | Find "Host Name" >> LoopVMTest_1.txt
- SYSTEMINFO /S %%a /U Caroline.Sonnen /P purple15 | Find "BIOS Version" >> LoopVMTest_1.txt
- SYSTEMINFO /S %%a /U Caroline.Sonnen /P purple15 | Find "OS Name" >> LoopVMTest_1.txt
- SYSTEMINFO /S %%a /U Caroline.Sonnen /P purple15 | Find "Boot Time" >> LoopVMTest_1.txt
- ECHO[>> LoopVMTest_1.txt
-)
- ECHO StopMeasure%Time%
- PAUSE

- GOTO :EOF

- REM USE
- :USE
- ECHO This statement is true
- ECHO You must enter a parameter to run this script
- PAUSE
- START CMD.exe %cd%

```
REM  LoopVM_1.bat
::      Created By: <Caroline Sonnen>
::      Created On: <4/12-25>
::      Location: <OS.MyPrograms>
::      Description: Used to find last boot time of computer, IP
        Address, and OS and print info to text file of VM
::      Parameters: RUN
::
::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::
```

```
ECHO StartMwayre%Time%
FOR /F %%a IN (SampleFile.txt) DO (
SYSTEMINFO /S %%a /U Caroline.Sonnen /P purple15 | Find "Host Name" >> LoopVMTest_1.txt
SYSTEMINFO /S %%a /U Caroline.Sonnen /P purple15 | Find "BIOS Version" >> LoopVMTest_1.txt
SYSTEMINFO /S %%a /U Caroline.Sonnen /P purple15 | Find "OS Name" >> LoopVMTest_1.txt
SYSTEMINFO /S %%a /U Caroline.Sonnen /P purple15 | Find "Boot Time" >> LoopVMTest_1.txt
ECHO[ >> LoopVMTest_1.txt
)
ECHO StopMeasure%Time%
PAUSE
```

Host Name:	CSVM-1
BIOS Version:	American Megatrends Inc. 090006 , 4/28/2016
OS Name:	Microsoft Windows 10 Enterprise Evaluation
System Boot Time:	3/28/2017, 9:15:02 AM

Host Name:	CSVM-2
BIOS Version:	American Megatrends Inc. 090006 , 4/28/2016
OS Name:	Microsoft Windows 10 Enterprise Evaluation
System Boot Time:	3/29/2017, 10:19:31 AM

Host Name:	CSVM-3
BIOS Version:	American Megatrends Inc. 090006 , 4/28/2016
OS Name:	Microsoft Windows 10 Enterprise Evaluation
System Boot Time:	4/10/2017, 5:55:04 PM

Challenges

- Research….CONSTANT
- I have to be at school to test it on VMs
- Trail and error
- Trial and error
- Trial and error

Rewards

- It works!
- Assignments got easier and easier as I went on!