ASSUMED BREACH WITHA SIDE OF PHISH [2020 Purple Team Summit] [Mike Gualtieri]

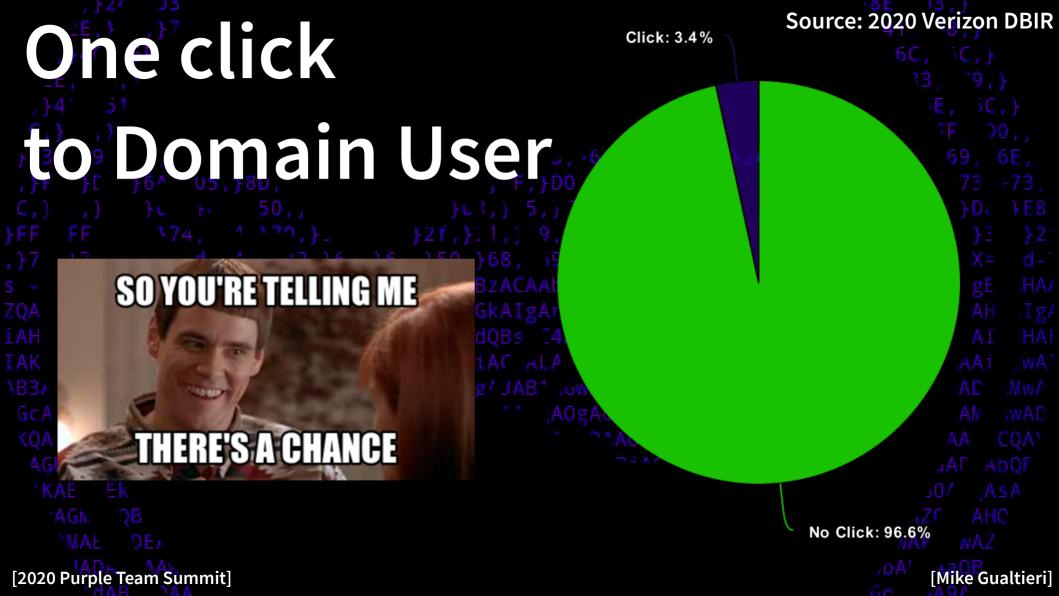
```
$ man mikeg
                         MIKEG(1)
                                                      Manual pager utils
                                                                                               MIKEG(1)
                         NAME
                                 mikeg - passionate about making software and breaking software
                         SYNOPSIS
                                     Software Design & Development Consulting
                                     Part-time faculty ::
                                                                                                                   [Mike Gualtieri]
[2020 Purple Team Summit]
```

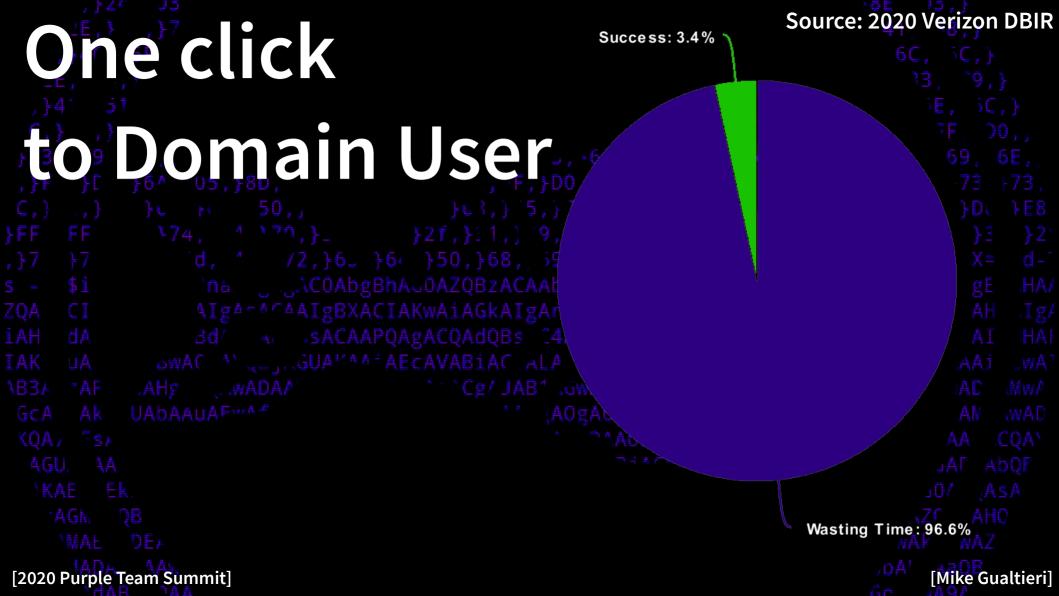
The Assumed Breach Penetration Testing Advantage > value++ [Mike Gualtieri] [2020 Purple Team Summit]

"But, we gave you access.. [2020 Purple Team Summit]

AN WAD
AA CQAY
AA ADQF
10/ ASA
AHQ
WAZ

[Mike Gualtieri]





# Closing the loop

# with phishing simulation

Goals:

> Situational Awareness

**Gather Credentials** 

Setting up a C2 Channel

[Mike Gualtieri]

[2020 Purple Team Summit]

#### **METHODOLOGY**

- > Use open source offensive tools (OST)
- Modify to bypass expected defenses
- > Don't overthink things
- > Customize it!
- Situational Awareness

Net / cmd.exe
Wmic
Powershell / Upsh

/ .NET API

C2 Modules Key logger Clipboard stealing Disabling Antivirus Invoke-LoginPrompt
SharpLocker

CredPhisher

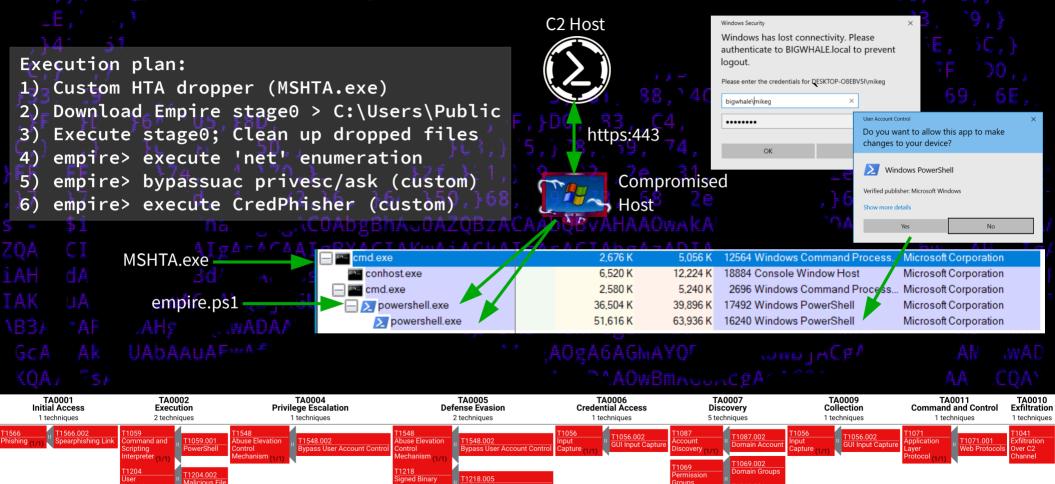
Gather Credentials

C2 Channel Empire

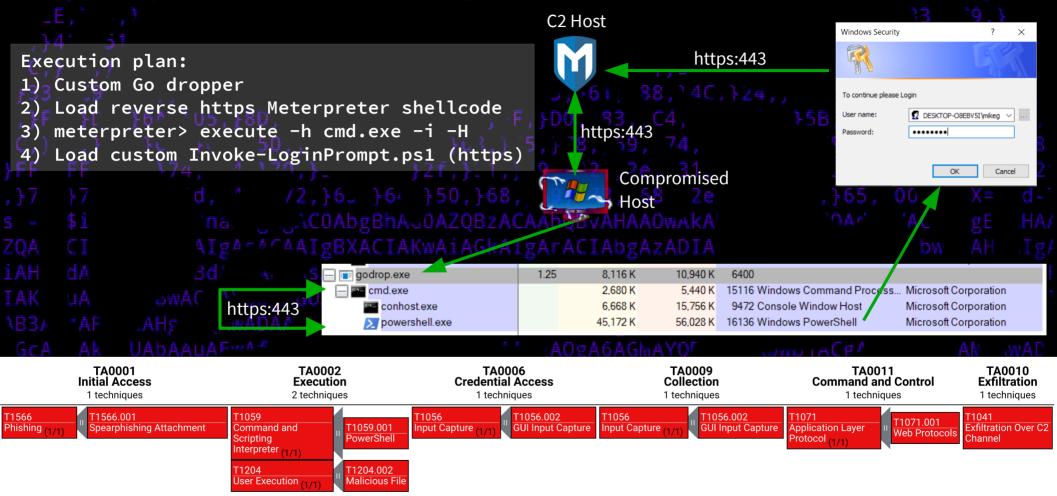
SILENTTRINITY
Meterpreter

C2 Matrix (pick your poison)

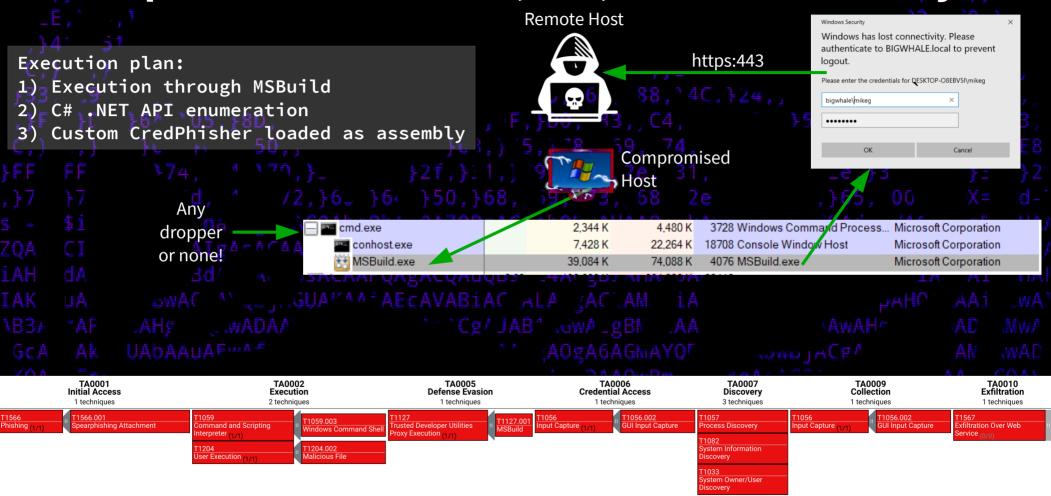
#### Example #1 – Empire Enum; Privesc; CredPhisher



### Example #2 – Meterpreter Credential Theft



## Example #3 – MSBuild, C#, .NET Assembly



#### Example #4 – VBA Macro Maldoc

T1059.001

PowerShell

T1059.005 Visual Basic

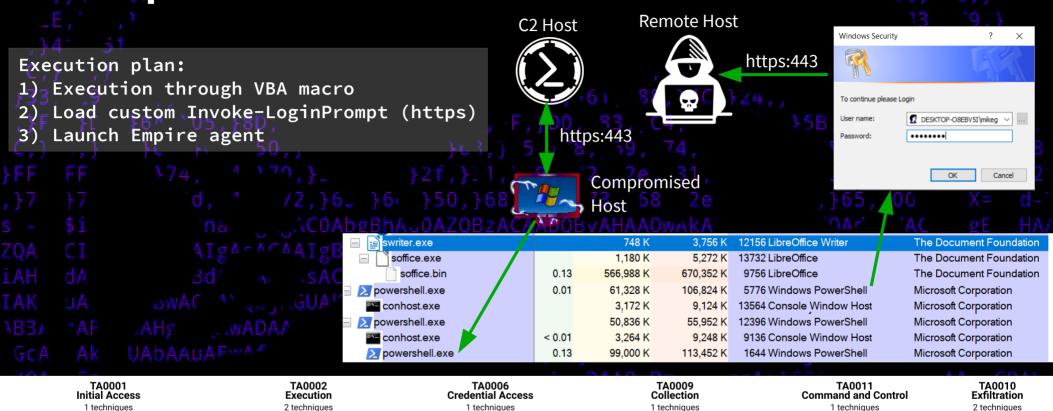
T1204.002

Malicious File

Command and Scripting

Jser Execution (1/1

Input Capture



T1056.002

**UI Input Capture** 

T1056

Input Capture

T1056.002

UI Input Capture

**Application Layer** 

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earphishing Attachment

Exfiltration Over Web

Exfiltration Over C2

T1041

Channel

Service (0/0)

T1071.001

Web Protoco

QUESTIONS github.com/mlgualtieri/PurpleTeamSummit2020 www.mike-gualtieri.com [2020 Purple Team Summit] [Mike Gualtieri]