
black hat®
ARSENAL 2023
AUGUST 9-10
MANDALAY BAY/LAS VEGAS

~~PowerGuest~~ powerpwn

An offensive security toolset for Microsoft 365 Power Platform

Intro

- powerpwn is an offensive security toolset for Microsoft 365 Power Platform.
- Targeting red teams and penetration testers to make sure your environment is secured.

- All materials and talks can be found in our repo.

github.com/mbrg/power-pwn

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About Us

Lana Salameh

- Team lead @ Zenity
- Passionate about Cyber security
- My first BlackHat

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Michael Bargury

- CTO and Co-founder @ Zenity
- OWASP LCNC Top 10 project lead
- Dark Reading columnist
- Defcon, BSides, RSAC, OWASP

@mbrg0

github.com/mbrg

DR darkreading.com/author/michael-bargury

Let the fun begin with

pip install powerpwn

Beyond recon

Guest accounts have your corp data

- The assumption that guest users have limited access to the organization resources is completely wrong.
- State of the art is focused on AAD enumeration (*AADInternals*).
- Guest users actually have access to credentials, resources and data.

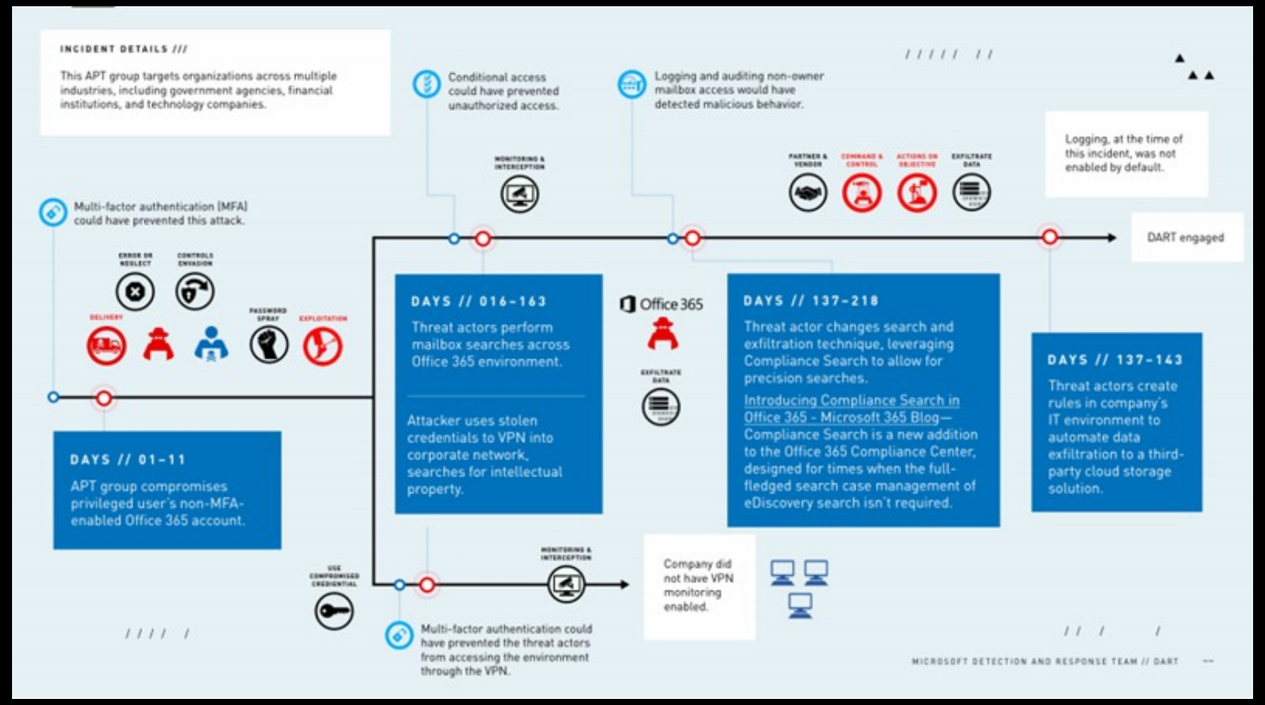
Check out our BlackHat 2023 talk titled **All You Need Is Guest**. black hat.com/us-23/briefings/schedule/index.html#all-you-need-is-guest-32647

Demo

Persistency

How to keep a ‘forever’ access

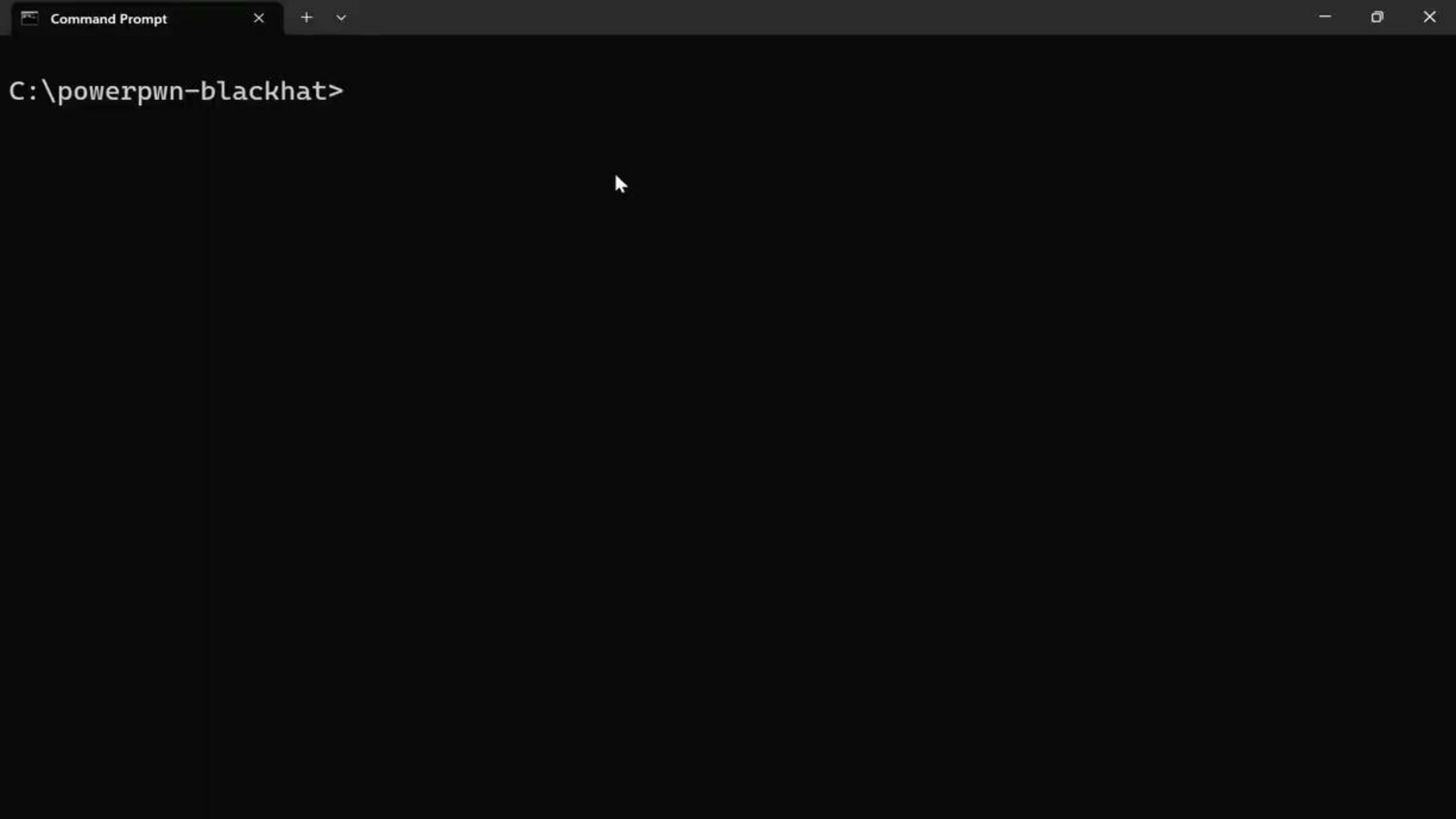
We want to remain persistent within Microsoft 365 even if the user gets deleted or their access is revoked.



Enterprise Domination via Low Code Abuse, DEFCON30

youtu.be/D3A62Rzozq4?t=1285

Demo


Command Prompt
C:\powerpwn-blackhat>

Phishing

Collect the hanging fruits

A trusted Microsoft domain

+

Built-in business SSO

+

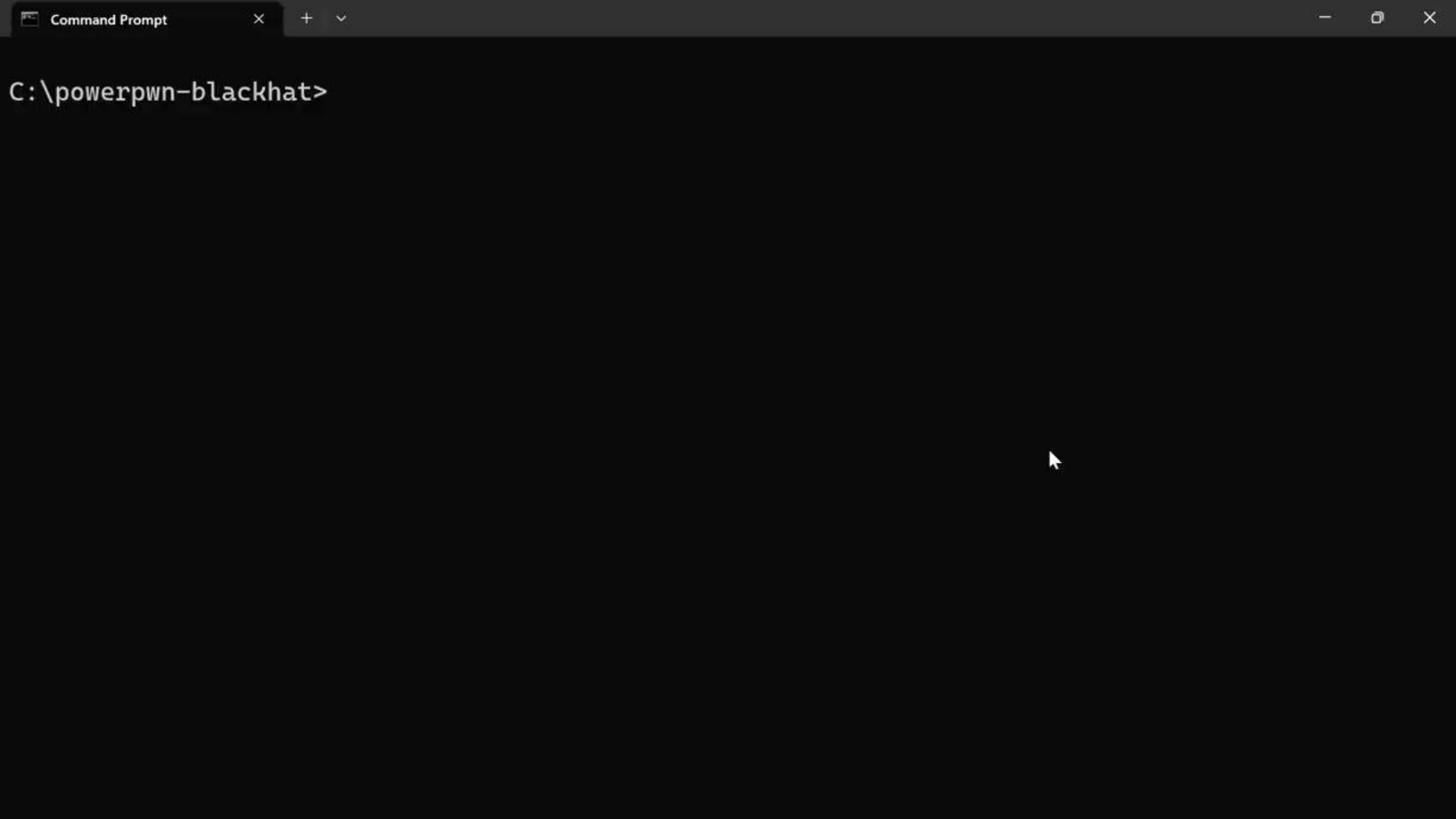
Users are familiar with PowerApps

=

Phishing by a single URL click

Enterprise Domination via
Low Code Abuse, DEFCON30
youtu.be/D3A62Rzozq4

Demo


Command Prompt
C:\powerpwn-blackhat>

Hack your environment

Power Pwn

Black Hat Arsenal USA 2023 DEFCON 30

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Power Pwn is an offensive security toolset for Microsoft Power Platform.

Install with `pip install powerpwn`.

Check out our Wiki for docs, guides and related talks!

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bit.ly/mbrg-bhusa23

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Power Pwn

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                        command
    dump                Recon for available data connections and dump their content.
    gui                 Show collected resources and data via GUI.
    backdoor            Install a backdoor on the target tenant
    nocodemalware       Repurpose trusted execs, service accounts and cloud services to power a malware
    phishing            Deploy a trustworthy phishing app.
```

Find us at BlackHat Arsenal!

PowerGuest: AAD Guest Exploitation Beyond Enumeration

+ on GitHub!
github.com/mbrg/power-pwn

D3FCON

@mbrg0