

NIC
EMPOWER

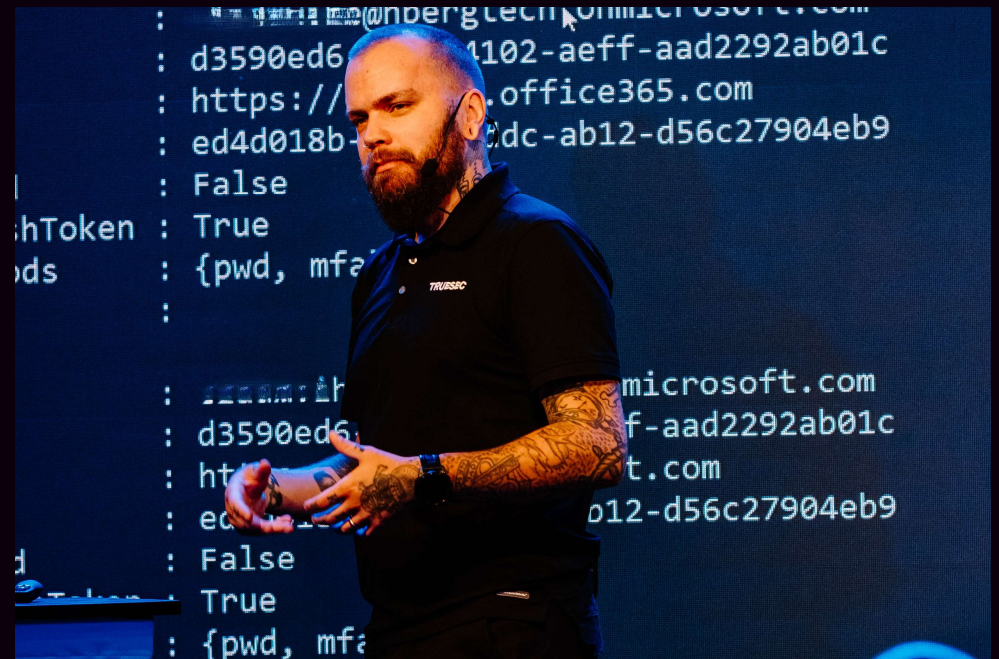
November 13-15, Oslo Spektrum

Viktor Hedberg

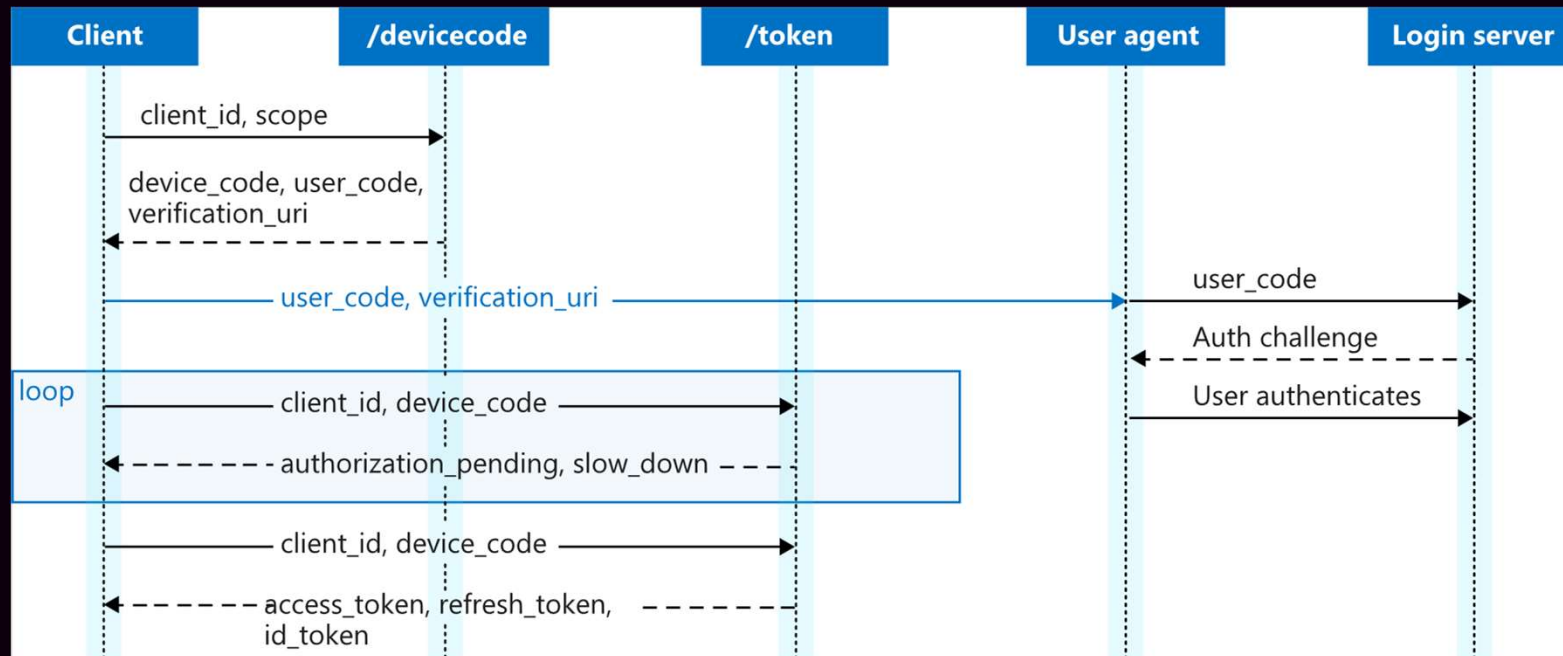
Device Code Phishing – How to detect and prevent those nasty phishers..

/whoami

- Senior Technical Architect @ Truesec
- Works in the CSIRT
- Security Research (MS Cloud and On-Premises)



Device Code Auth Flow



Fear the FOCI

- Family of Client IDs:
- [family-of-client-ids-research/known-foci-clients.csv at main · secureworks/family-of-client-ids-research · GitHub](#)

Constructing the “payload”

- Select which Graph Endpoint you wish to target
- Select a delivery method of the “payload”
- Select a FOCI app to leverage
- ... wait

DEMO

Constructing the payload and phish a user

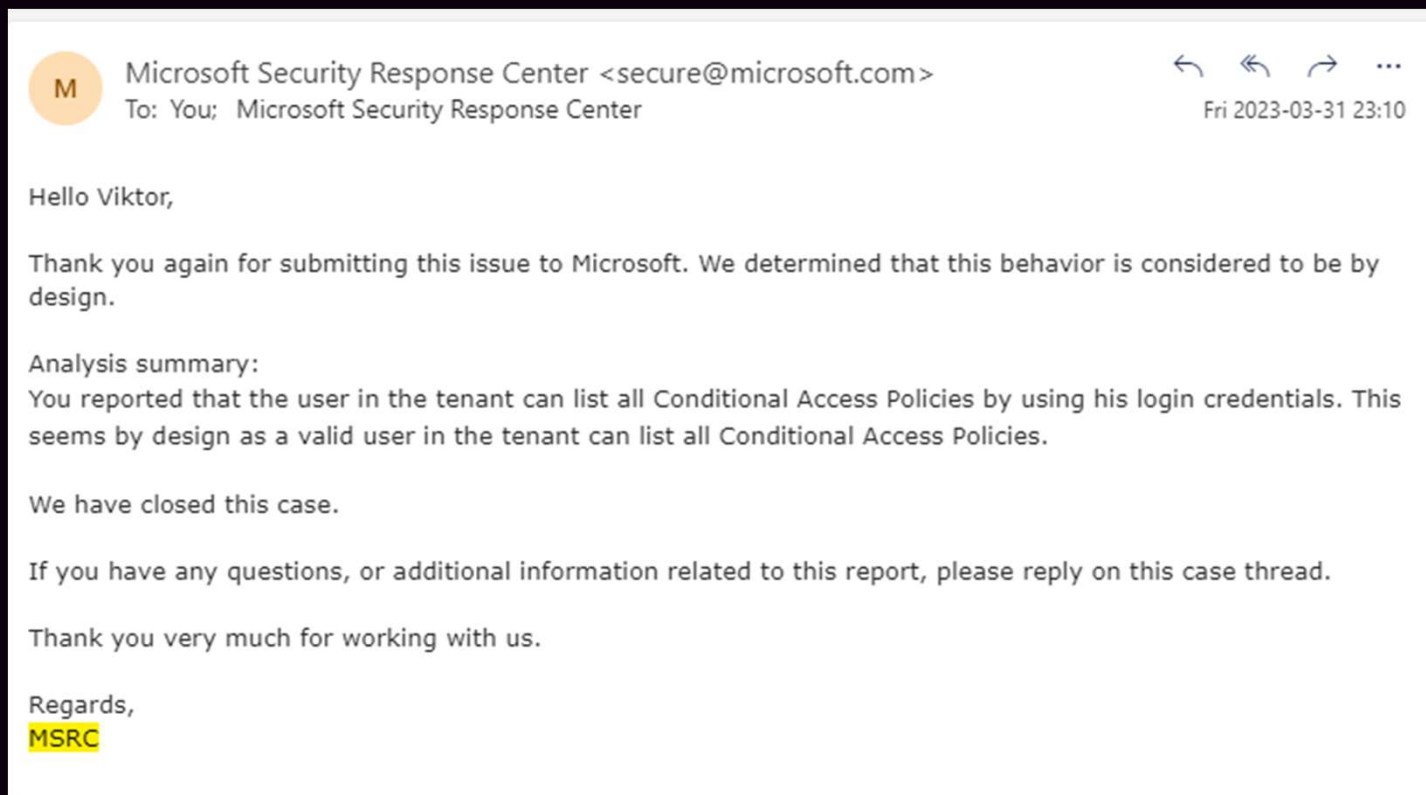
We've gotten the token!

- What can we do with a token?
 - AADGraph = Lots
 - MSGraph = Eh, just as much as the user..
- So let's play with AADGraph

DEMO

Playing with Access Tokens for AADGraph

MSRC Response on the CA “vuln”



Detections.... Please?

- We can see it in the sign-in log.
- Yes, advanced hunting on CMSI:Cmsi will catch the Device code flow sign-in.

DEMO

Detections

Prevention

- Conditional Access for Device code flow
- But how about the other stuff with AADGraph...?

DEMO

Conditional Access

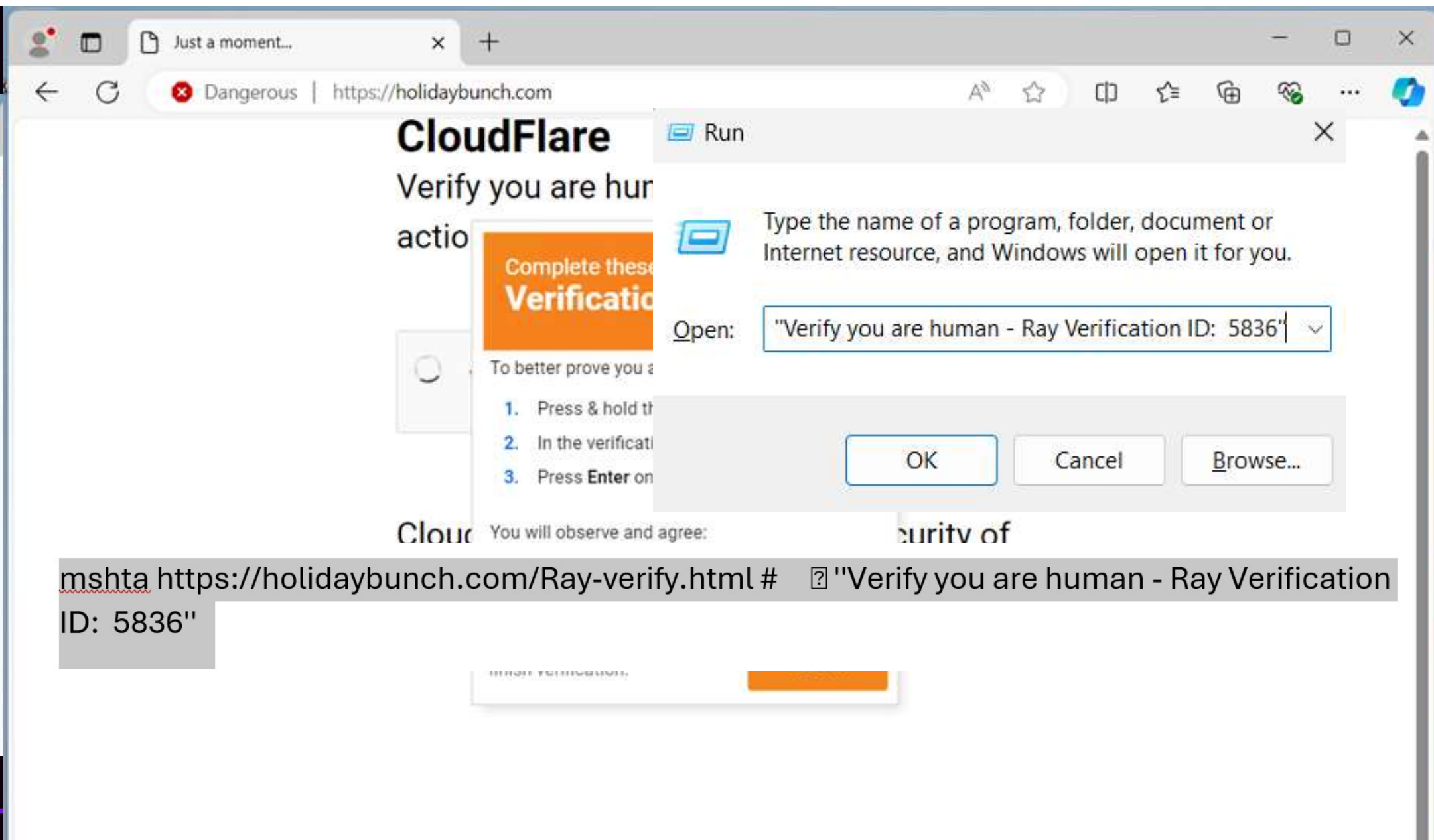
Prevention

- Conditional Access for Device code flow
- But how about the other stuff with AADGraph...?
- Sadly... We can only do “so” much until AADGraph ACTUALLY dies.
- Register the FOCI app to your Entra ID tenant.
 - Allows for Controlling who can connect to MSOL, AzureAD, AADGraph via that FOCI

DEMO

Registered Azure Active Directory PowerShell

Other “wierd” and cool phish’s





Akkaravit Tatta...

Extern



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Vissa personer i den här chatten befinner sig utanför organisationen. Det är möjligt att de har meddelanderelaterade principer som gäller för chatten. [Mer information](#)



Akkaravit Tattamanas (Extern) har lagt till i konversationen.

Akkaravit Tattamanas (Extern) 13:46



AT

Hi,

Dear colleagues,

I regretfully have to inform you about unplanned changes in the vacation schedule due to unforeseen circumstances. As a result of a force majeure situation that we had to take into account, we have had to cancel the vacations of certain employees.

I understand that such changes might impact your plans, and I apologize for any inconvenience this may cause. If you have any questions or need additional information, please feel free to contact me directly.

Situations of this nature are always difficult to foresee, and your understanding and flexibility in such moments are greatly appreciated. Thank you for your cooperation.

Best regards,

Akkaravit Tattamanas

HR Manager

akkaravit.tattamanas@

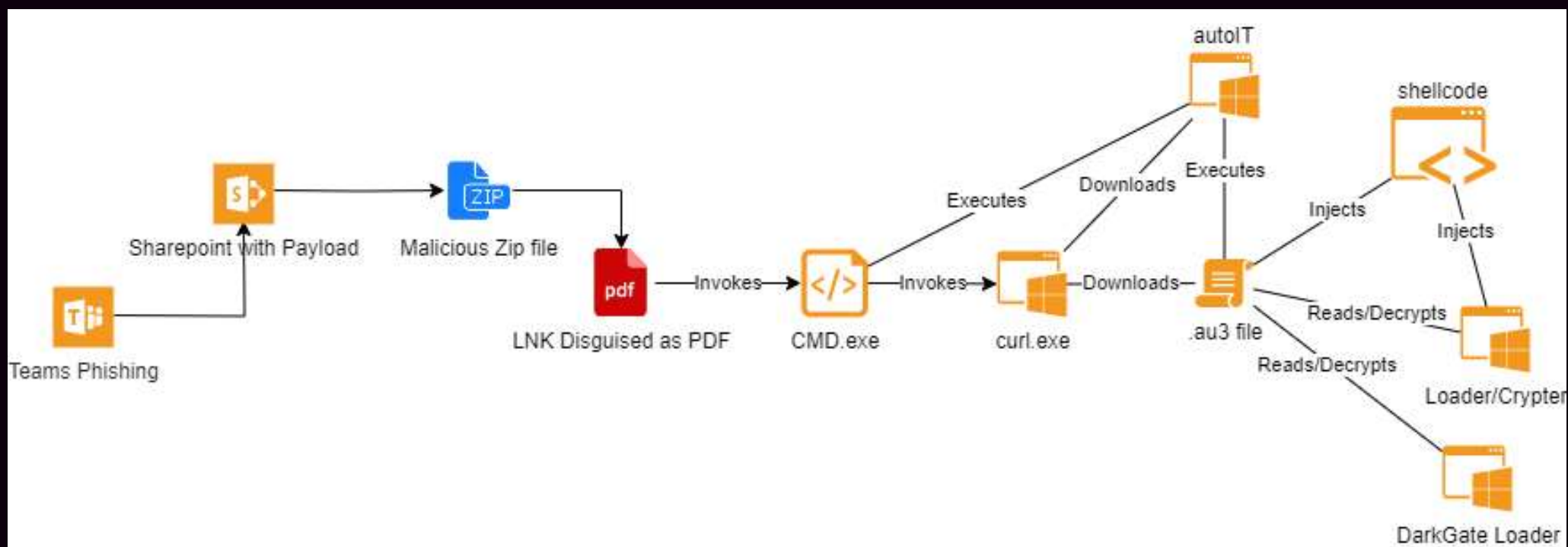


Changes to the vacation schedule.zip

Extern

Changes to the vacation schedule.zip

https://burapha-my.sharepoint.com/:u/g/personal/63090101_my_buu_ac_th/EWkB0I3nR4dCjDmwAe7jb7kBWPPkDObt8wVbmB106



Summary

- Targeting Teams messages instead of traditional email.
- No safe links scan in this world will block it.
 - Because we're leveraging MS Infrastructure
 - The Access Tokens although short lived can be used for recon-a-plenty
 - Including, but not limited to: Your entire Entra ID tenant configuration w/o permissions.
- Threat actors are getting more and more creative.