Extending the PAW mentality to the cloud

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Extending the PAW mentality to the cloud.
Why just enforcing MFA is not enough.

/whoami

- Viktor Hedberg

- Cyber Security Consultant @ Truesec
- Proactive measures
- DFIR
- Advisory

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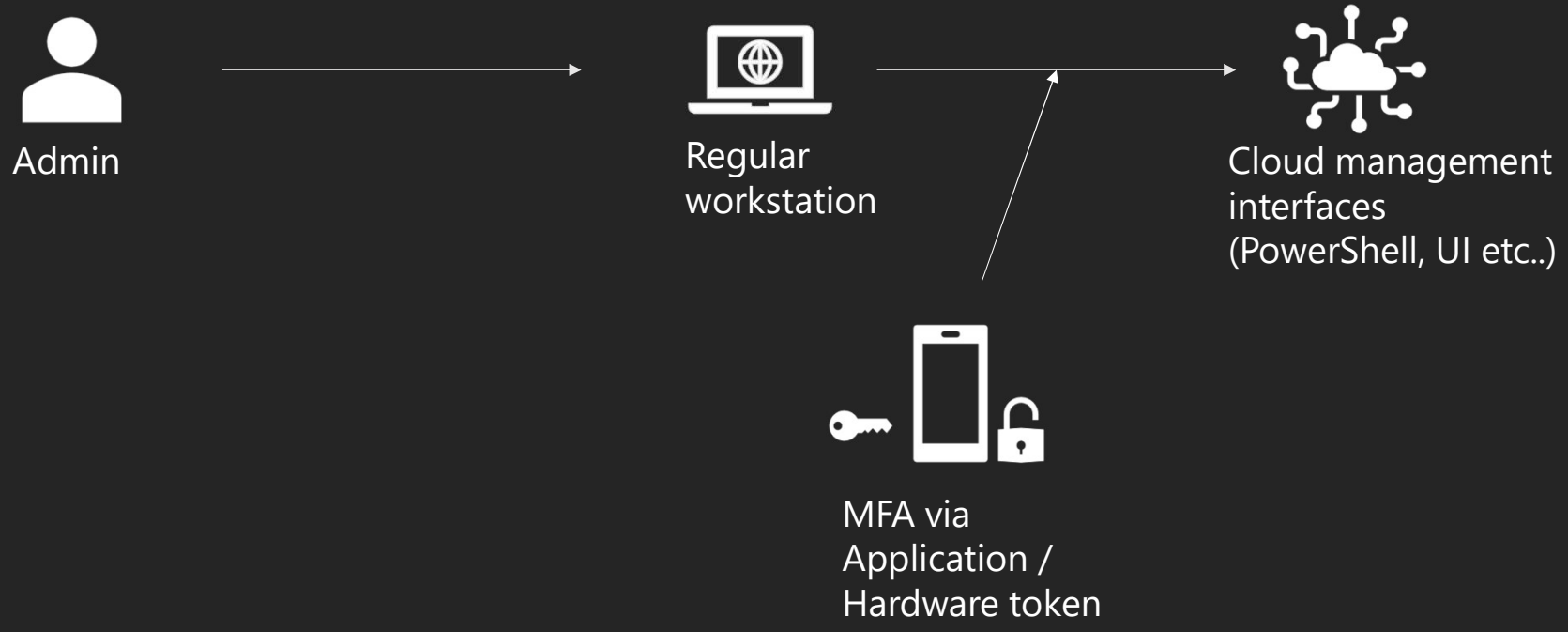
The current state (for most)



Why the current state is not enough?

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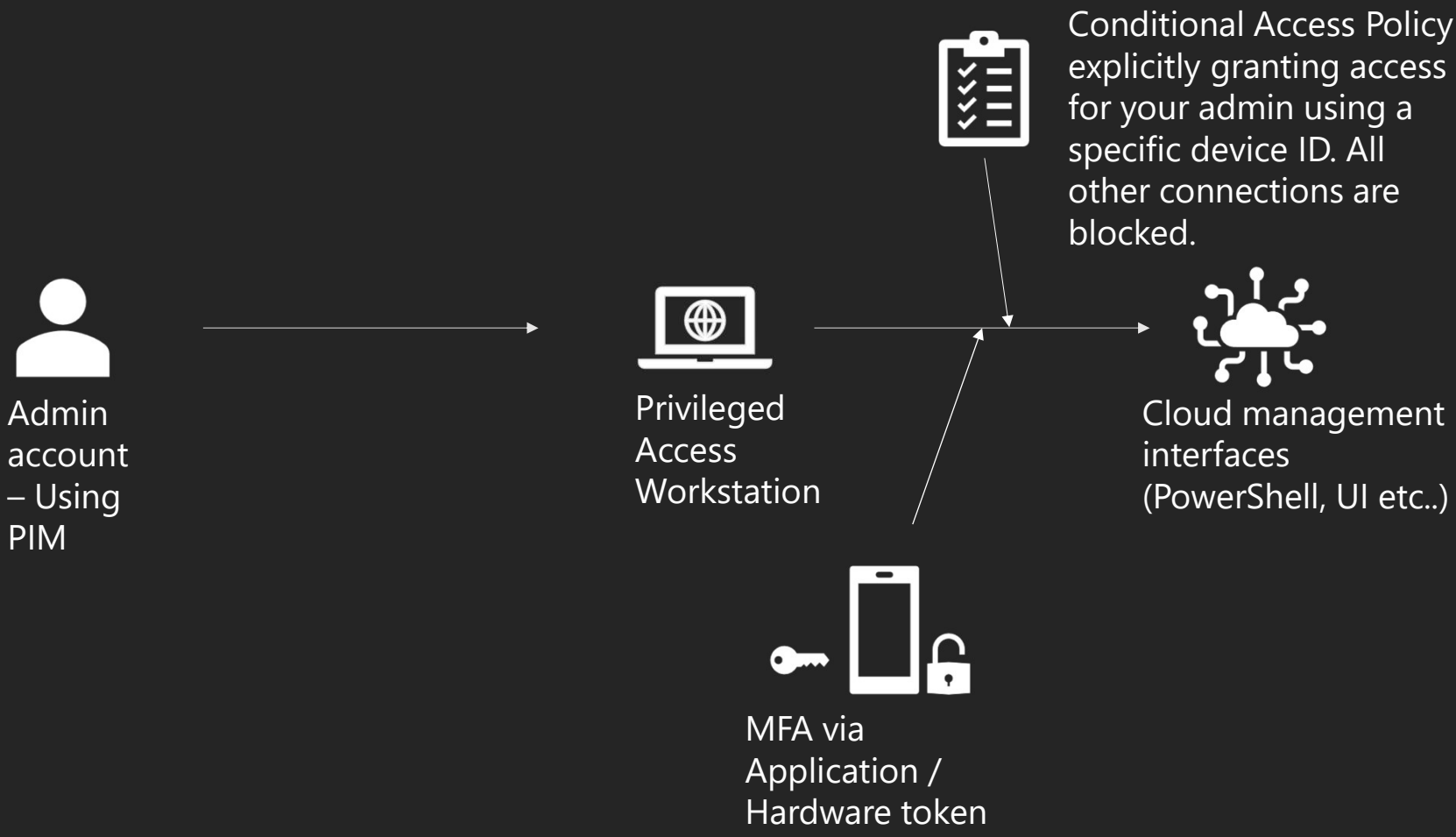
- The sign in can occur from any device.
- Vulnerable to common attack patterns such as:
  - Info Stealers
  - MiTM
  - Prompt Overflow
- What can be done instead?
  - PAW

The preferred state (for ALL!)



Why is the PAW scenario more secure?

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- Sign-in can only occur from a specific device, all other connections are blocked
- A Threat Actor needs to be in possession of all three factors:

Admin account

Privileged Workstation

MFA credential

- This provides for more locking effects, securing our privileged roles and accesses

DEMO

Summary

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- Only use Cloud Native accounts for administrative tasks
- All admin accounts need to have an Azure AD P2 license for PIM/Identity Protection
- Create Device Filter policies to acquire locking effects on individual accounts

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Thank you!

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