

Vi gjør Norge sikrere

tirsdag 20. september 2022

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Løsningsdesign – Prosjektleder i leveranseprosjekt

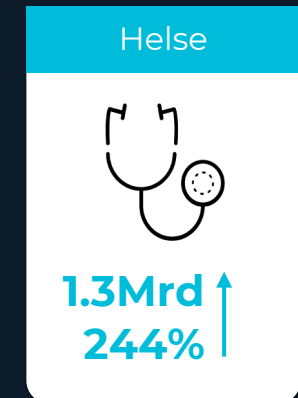
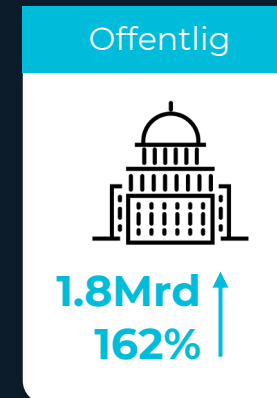
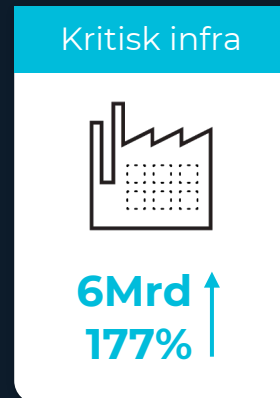


Eksplosjon av IoT og OT i offentlig sektor

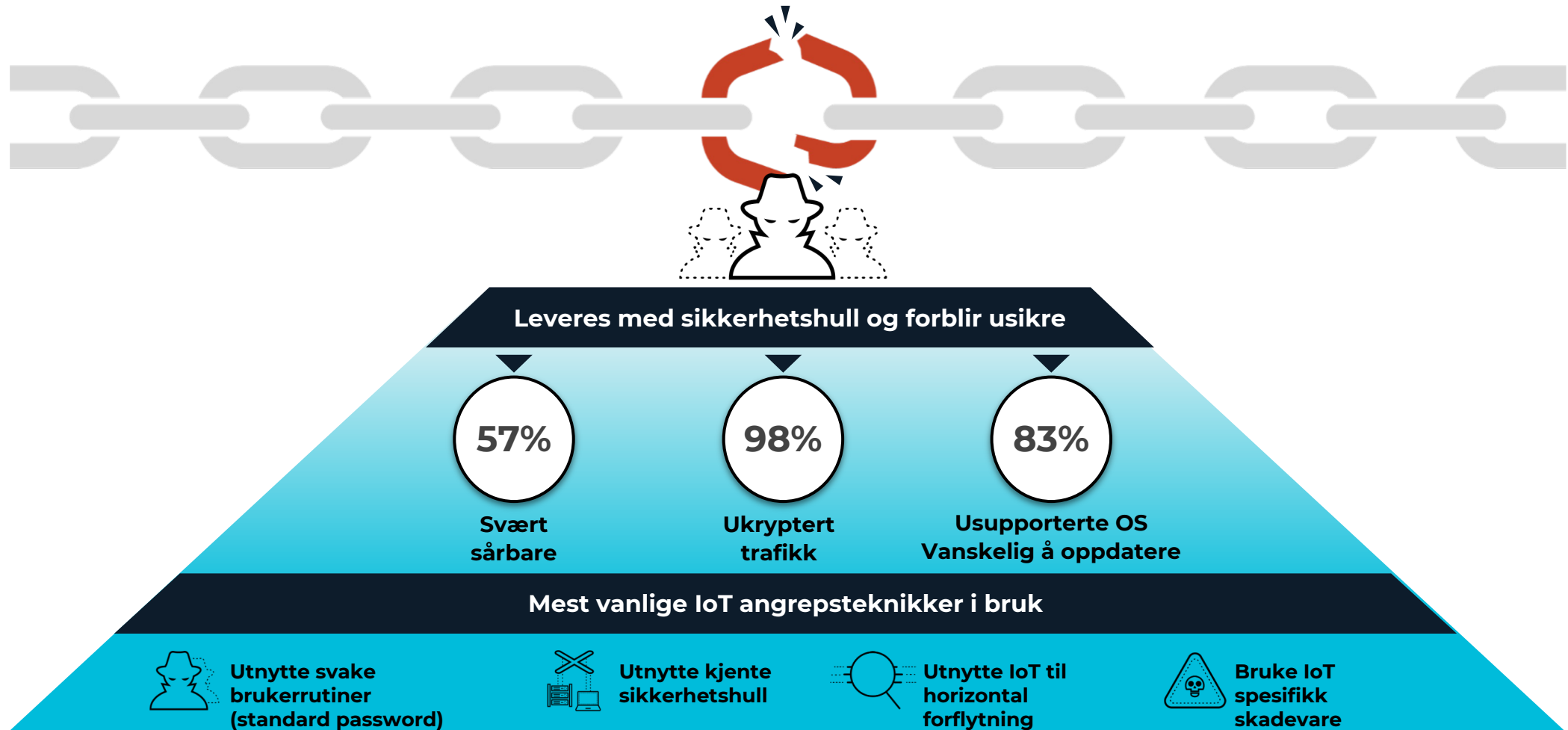
En historie fra skyttergravene

Eksplosjon i IOT enheter

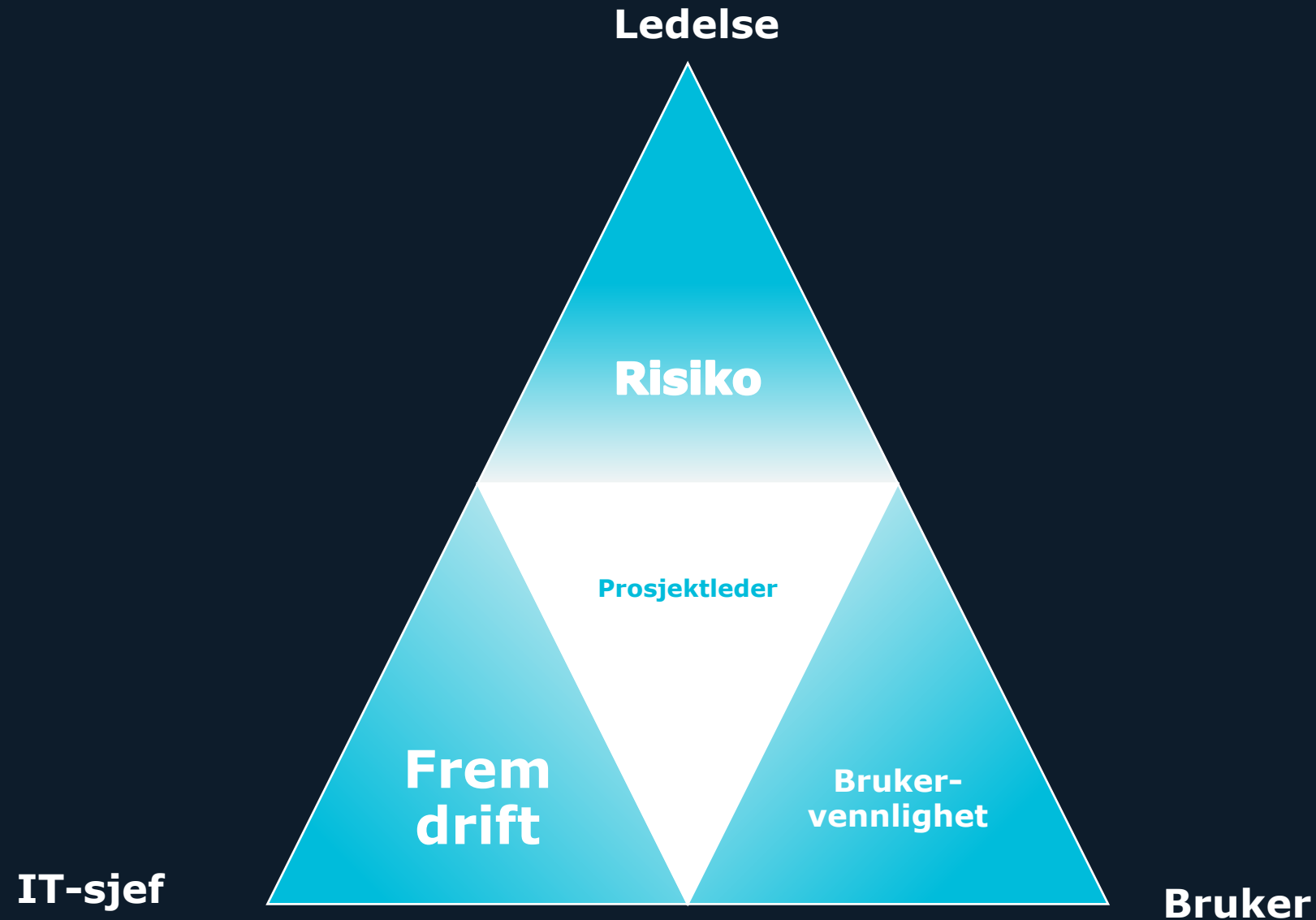
- 10 millioner/dag
- IoT = 4x antall brukere



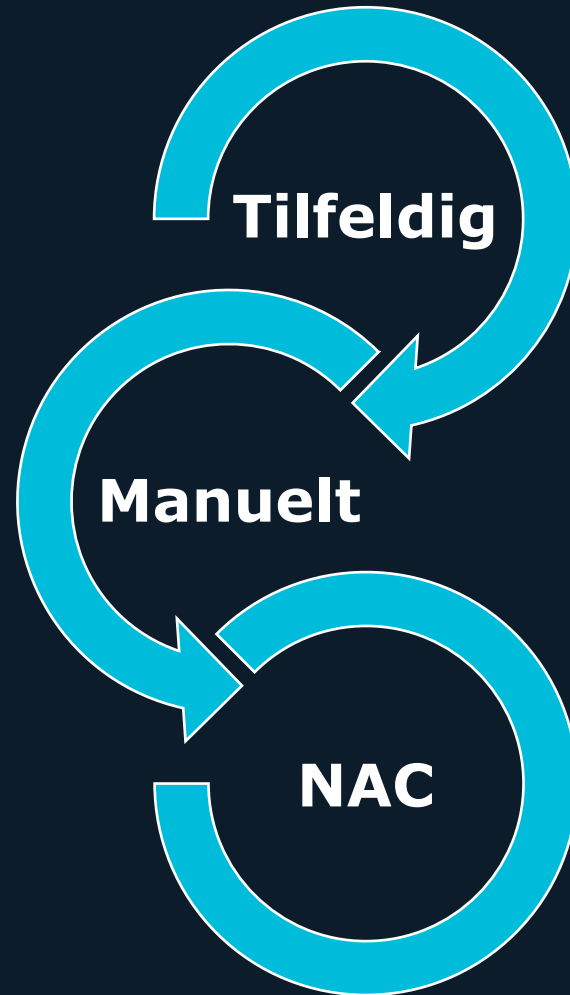
IoT enheter er usikre



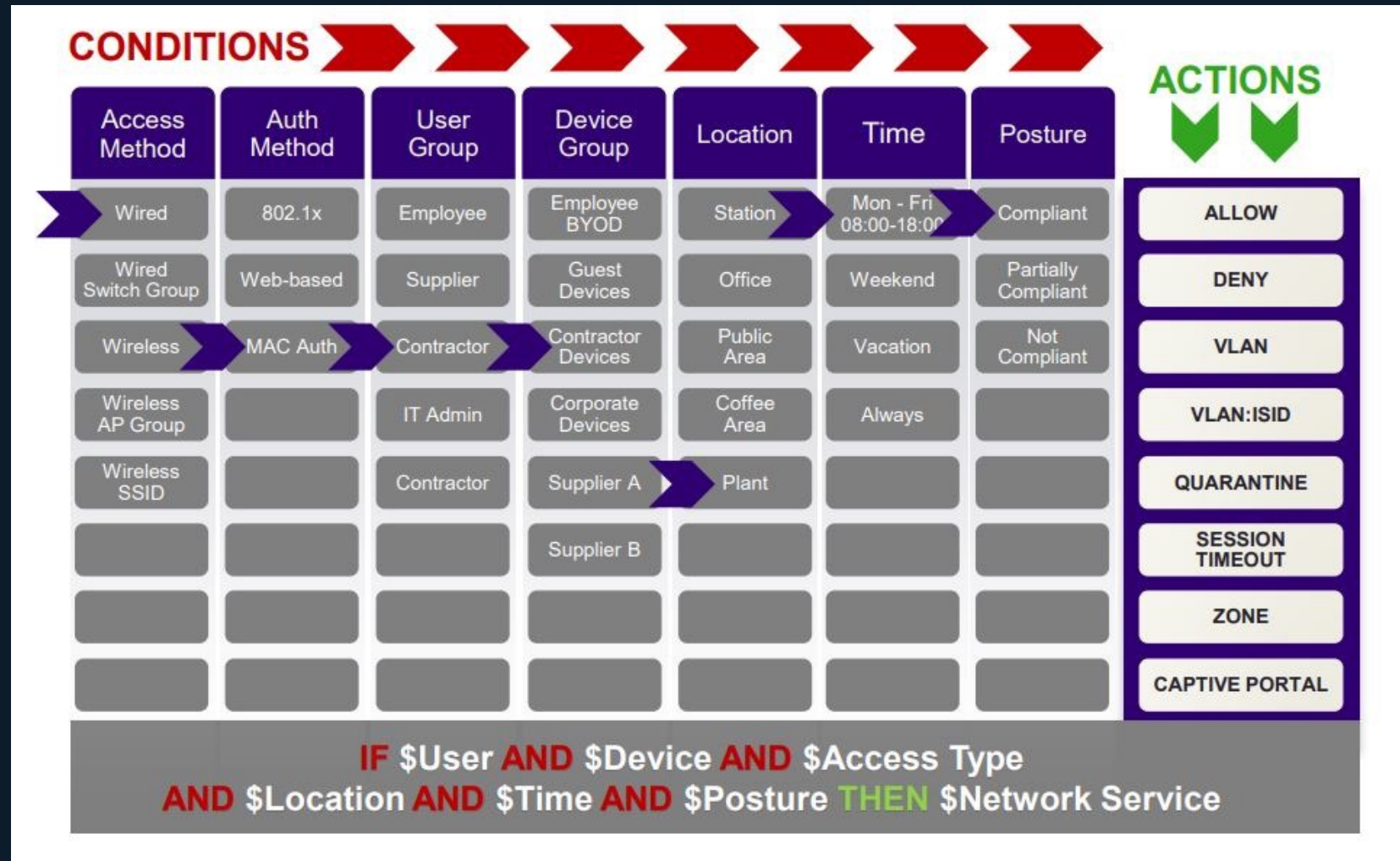
Prosjektlederens dilemma



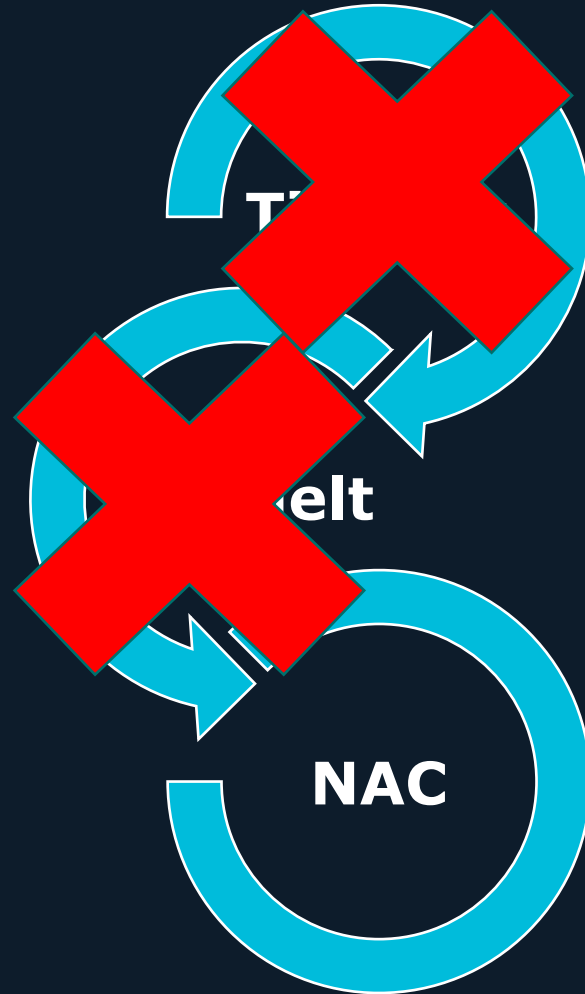
Hvordan behandles IoT i nettet?



Hvordan gjør den det?



Hvorfor fungerer ikke dette?





*Manuell fingerprinting er en idiotisk
fremgangsmåte*



Gammelt jungelord

Det måtte være en bedre måte

Løsningen måtte tilby:

- **Rask innføring av ny teknologi**
- **Være tilpasset BYOD og IoT**
- **Skalering**





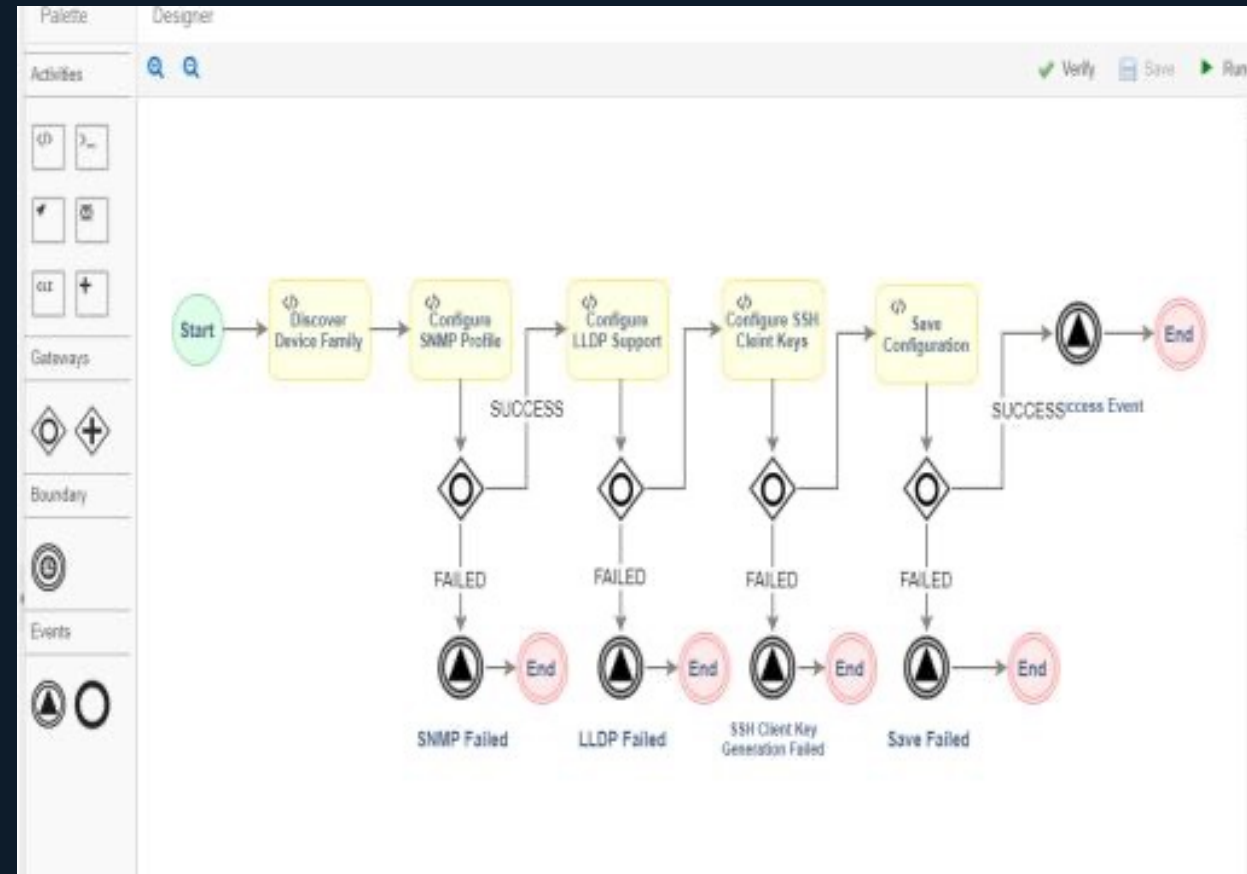


Inventory

All Sites All Devices 1 Day

Categories (56) Risk Score

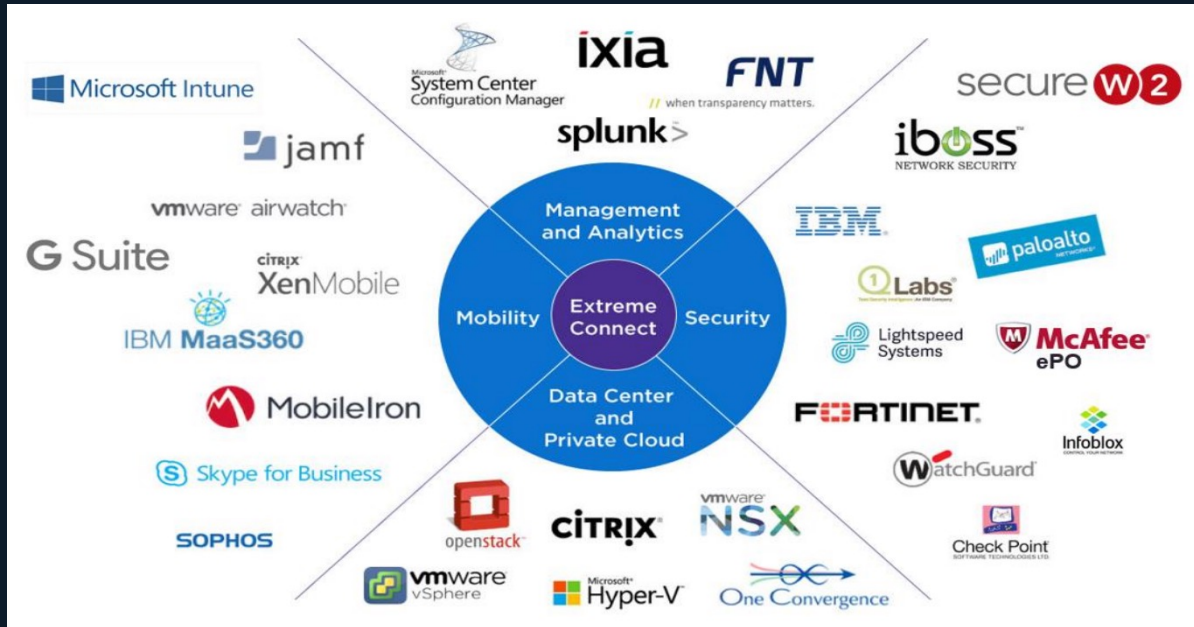
Category	Profiles	Devices	Risk Score
Embedded Systems	1		
Smartphone or Tablet	25	16,972	85
Industrial Controller	1	1	84
Network Equipment	5	12	81
Smartphone or Tablet	2		
generic	8	334	76
Virtual Machine	2	29	76
Personal Computer	2	2	66



Hvorfor PANW IoT?

- Behaviour based
- Uendelig skalering
- API i alle retninger

Hvorfor Extreme Networks workflows?



The screenshot shows the Extreme Networks workflow editor interface. On the left, a 'User Workflows' list includes 'PAN pull IoT d...' which is highlighted. The main workspace shows a workflow titled '/Workflows/PAN pull IoT devices'. The workflow consists of a sequence of steps: a green 'Start' circle, a yellow 'PAN' activity box, a yellow 'NAC' activity box, and a red 'End' circle. The interface also features a 'Palette' on the left with sections for 'Activities', 'Gateways', 'Boundary', and 'Events', each containing various icons for workflow construction.

Eksempel på enhetsbibliotek

JSON

key:value

```
{
  "hostname": "Chromecast",
  "category": "Video Streaming",
  "profile": "Google-ChromeCast",
  "profile_type": "IoT",
  "profile_vertical": "Consumer IoT",
  "ip_address": "10.xxx.40.143",
  "mac_address": "ac:67:84:xx:yy:zz",
  "risk_score": 31,
  "risk_level": "Low",
  "last_activity": "2022-07-11T21:43:27.657Z",
  "confidence_score": 94,
  "deviceid": "ac:67:84:xx:yy:zz",
  "allTags": [
  ]
},
```

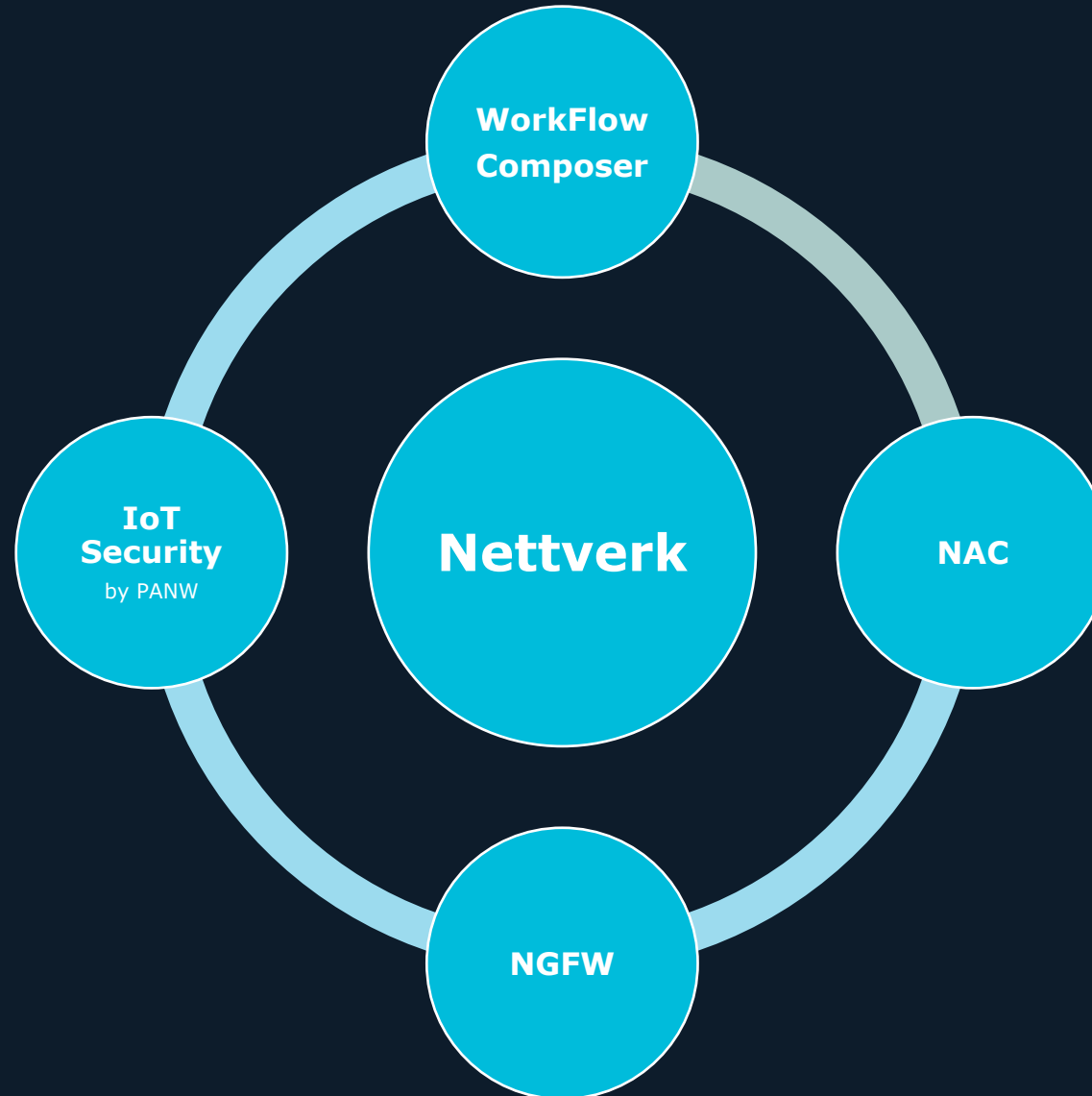
Match på verdier

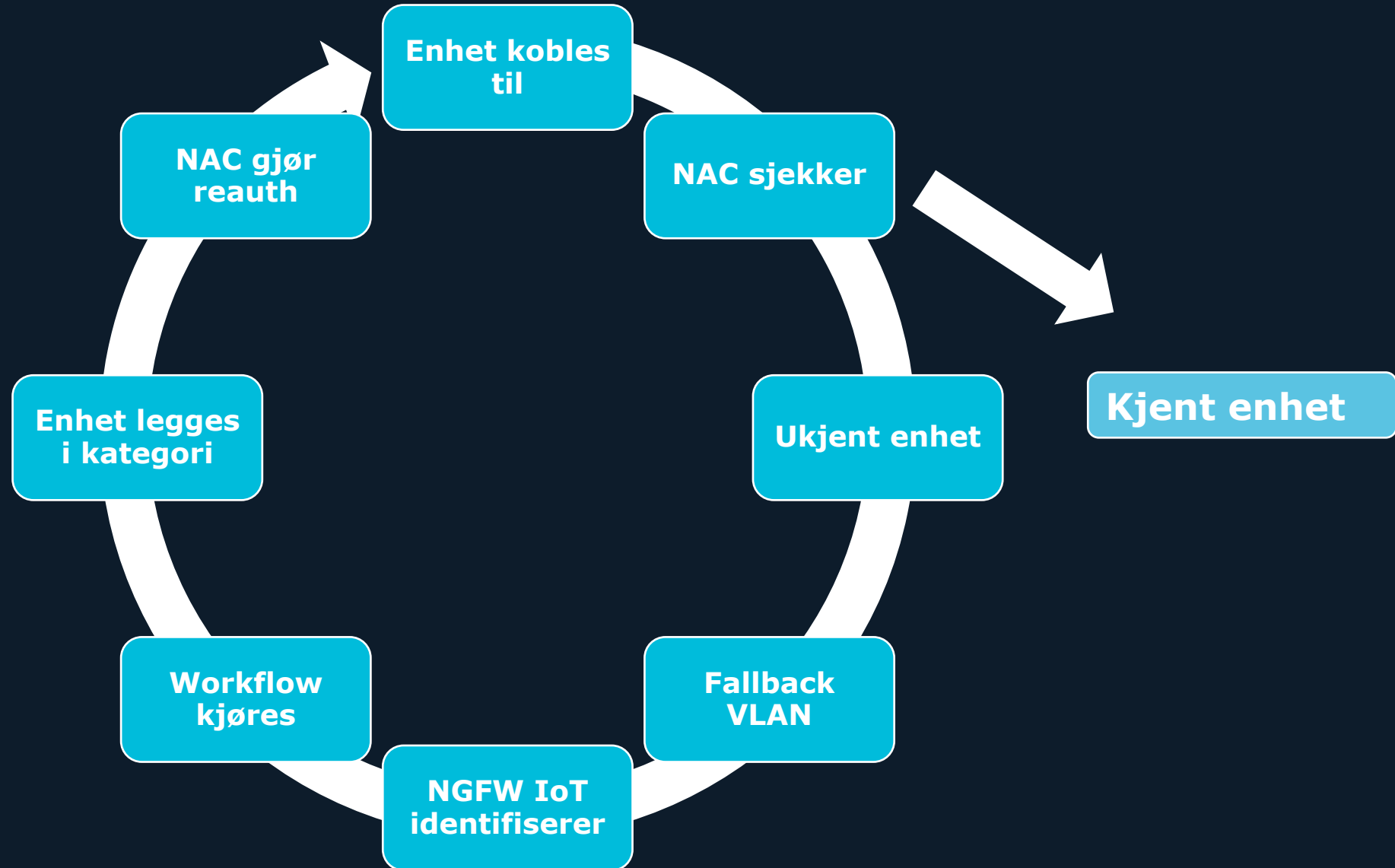
Profil i NAC:

“Videostreaming”

```
{  
  "hostname": "Chromecast",  
  "category": "Video Streaming",  
  "profile": "Google-ChromeCast",  
  "profile_type": "IoT",  
  "profile_vertical": "Consumer IoT",  
  "ip_address": "10.xxx.40.143",  
  "mac_address": "ac:67:84:xx:yy:zz",  
  "risk_score": 31,  
  "risk_level": "Low",  
  "last_activity": "2022-07-11T21:43:27.657Z",  
  "confidence_score": 94,  
  "deviceid": "ac:67:84:xx:yy:zz",  
  "allTags": [  
  ]  
},
```

Komponenter





Resultatet:

- ✓ Raskere utrulling
- ✓ Mindre administrasjon
- ✓ Høyere sikkerhet

Takk for oppmerksomheten!

Kontakt oss for demo