

What things are under my control?

CSC 1: Inventory and Control of Hardware Assets

Automate an inventory audit of everything on the network under your control, in AWS, Azure, any VPS provider and run it weekly.

Get the purchasing department on board to routinely give you a couple of years of hardware purchased and match it against your inventory.

Those tiny EC2 instances, Raspberry Pi's and employee phones which are connected to the company WiFi? Enumerate each one of these into a source of truth repository that you and others can reference.

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Start simple, request a CSV export from your purchasing vendor and an internal list from your purchasing department. Match those records up against what you gather from in the ARP tables on your WiFi access points and network switches.

Configuration management tools such as Ansible and SaltStack have integrated NAPALM (Network Automation and Programmability Abstraction Layer with Multivendor support) to gather facts. They can return to you some well-formatted JSON output ready to be compared to your records.