Inject 3 — Automation

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For whatever reason, the Linux desktop machines in the lab have neither a static ip nor hostnames set up.

I asked about static ip’s and there apparently there was some issue with vlan interaction, and local hostanme resolution takes a longer time to set up.

However, I found something funny, where you can actually just make a public domain name point to a private ip, and it will just work.

So I decided to use duckdns, for dynamic dns (if you don’t have a static ip), as an alternative to hostnames.

Here is a systemd service I wrote that does this:

[Unit]  
Description=My Network Service  
Wants=network-online.target  
After=network-online.target  
  
[Service]  
Type=oneshot  
ExecStart=/bin/python3 -c "import subprocess; local\_ip = subprocess.check\_output('ip route get 8.8.8.8', shell=True).decode('utf-8'); private\_ip = local\_ip.split(); print(private\_ip[6]); subprocess.run(f'echo url=\'https://www.duckdns.org/update?domains=domainname&token=duckdnstoken&ip={private\_ip[6]}\' | curl -k -K -', shell=True)"  
  
[Install]  
WantedBy=multi-user.target