

PROKSISERVERI PROJEKT LÕPPDOKUMENTATSIOON

(Ülesanded 18–20)

Oluline info:

Käesolev dokument sisaldab täpselt samu küsimusi ja tõendusnõudeid, mis on kirjas järgmistes kolmes töös:

- Võrguliikluse jälgimine ja analüüs
- Ligipääsureeglid ja kontroll
- Käideldavus ja teenuse haldus

Midagi uut ei ole lisatud, midagi ei ole muudetud. Siin on lihtsalt kõik nõuded koondatud ühte dokumenti, et esitamine toimubks ühe failina.

I. VÕRGULIIKLUSE JÄLGIMINE JA ANALÜÜS

1. Reaalajas logi jälgimine

Lisa dokumenti:

- 5–10 rida käsust

```
tail -f /var/log/squid/access.log
```

```
Feb 12 08:52:58 proxy-vm-kristopher-hindeline squid[2087]: Using Least Load store dir selection
Feb 12 08:52:58 proxy-vm-kristopher-hindeline squid[2087]: Current Directory is /
Feb 12 08:52:58 proxy-vm-kristopher-hindeline squid[2087]: Finished loading MIME types and icons.
Feb 12 08:52:58 proxy-vm-kristopher-hindeline squid[2087]: HTTP Disabled.
Feb 12 08:52:58 proxy-vm-kristopher-hindeline squid[2087]: Pinger socket opened on FD 19
Feb 12 08:52:58 proxy-vm-kristopher-hindeline squid[2087]: Squid plugin modules loaded: 0
Feb 12 08:52:58 proxy-vm-kristopher-hindeline squid[2087]: Adaptation support is off.
Feb 12 08:52:58 proxy-vm-kristopher-hindeline squid[2087]: Accepting HTTP Socket connections at 10cp
Feb 12 08:52:59 proxy-vm-kristopher-hindeline squid[2087]: storeLateRelease: released 0 objects
kristopher@proxy-vm-kristopher-hindeline:~% sudo tail -f /var/log/squid/access.log
[sudo] password for kristopher:
tail: invalid option -- '/'
Try 'tail --help' for more information.
kristopher@proxy-vm-kristopher-hindeline:~% -f /var/log/squid/access.log
-f: command not found
kristopher@proxy-vm-kristopher-hindeline:~% sudo tail -f /var/log/squid/access.log
1770887398.351 127753 172.16.50.22 TCP_TUNNEL/200 1170758 CONNECT th.bing.com:443 - HIER_DIRECT/80.2
39.137.144 -
1770887399.154 125343 172.16.50.22 TCP_TUNNEL/200 13288 CONNECT login.microsoftonline.com:443 - HIER_DIRECT/20.190.180.23 -
1770887399.960 125928 172.16.50.22 TCP_TUNNEL/200 12233 CONNECT login.live.com:443 - HIER_DIRECT/20.
190.177.22 -
1770887400.625 130264 172.16.50.22 TCP_TUNNEL/200 7409 CONNECT browser.events.data.msn.com:443 - HIE
R_DIRECT/20.42.73.24 -
1770887403.738 127762 172.16.50.22 TCP_TUNNEL/200 7427 CONNECT www2.bing.com:443 - HIER_DIRECT/150.1
71.29.10 -
1770887403.997 128594 172.16.50.22 TCP_TUNNEL/200 10803 CONNECT testfamily.safety.bing.com:443 - HIER
_DIRECT/150.171.27.20 -
1770887421.841 149684 172.16.50.22 TCP_TUNNEL/200 1213257 CONNECT www.bing.com:443 - HIER_DIRECT/80.
239.137.146 -
1770887506.737 240217 172.16.50.22 TCP_TUNNEL/200 6838 CONNECT sb.scorecardresearch.com:443 - HIER_D
IRECT/13.33.235.32 -
1770887511.795 500126 172.16.50.21 TCP_TUNNEL/200 4989 CONNECT cdn.adnxs.com:443 - HIER_DIRECT/62.11
5.252.208 -
1770887514.151 501896 172.16.50.21 TCP_TUNNEL/200 38691 CONNECT acdn.adnxs.com:443 - HIER_DIRECT/62.
115.252.208 -
```

väljundist

- 1x GET logirida (HTTP)

```
1770888509.223 11319 172.16.50.21 TCP_TUNNEL/200 13210 CONNECT ib.adnxs.com:443 - HIER_DIRECT/185.69.210.90 -
```

- 1x CONNECT logirida (HTTPS)

```
1770888509.223 11319 172.16.50.21 TCP_TUNNEL/200 13210 CONNECT ib.adnxs.com:443 - HIER_DIRECT/185.69.210.90 -
```

Vasta kirjalikult:

- Mis on GET?
GET - näed ühendust ja sisu, see ei ole krüpteeritud veebsait ja väga ebaturvaline!!!!
- Mis on CONNECT?
näed ühendust aga sisu ei näe mis veebsaitil on , see tähendab sisu on krüpteeritud ja https töötab
- Miks HTTPS puhul ei näe sisu?
Sest HTTPS krüpteerib andmed

2. Ühe kliendi liikluse filtreerimine

Lisa dokumenti:

- Client-1 logiväljavõte (grep IP)
IP on 172.16.50.21

```

Feb 12 09:23:06 proxy-vm-kristopher-hindeline squid[2285]: HTTP Disabled.
Feb 12 09:23:06 proxy-vm-kristopher-hindeline squid[2285]: Pinger socket opened on FD 14
Feb 12 09:23:06 proxy-vm-kristopher-hindeline squid[2285]: Squid plugin modules loaded: 0
Feb 12 09:23:06 proxy-vm-kristopher-hindeline squid[2285]: Adaptation support is off.
Feb 12 09:23:06 proxy-vm-kristopher-hindeline squid[2285]: Accepting HTTP Socket connections at localhost:80
Feb 12 09:23:07 proxy-vm-kristopher-hindeline squid[2285]: storeLateRelease: released 0 objects

kristopher@proxy-vm-kristopher-hindeline:~$ sudo tail -f /var/log/squid/clienti.log

^C
kristopher@proxy-vm-kristopher-hindeline:~$ sudo tail -f /var/log/squid/clienti.log
tail: cannot open '/var/log/squid/clienti' for reading: No such file or directory
tail: no files remaining
kristopher@proxy-vm-kristopher-hindeline:~$ sudo tail -f /var/log/squid/clienti.log
1770888499.053 209 172.16.50.21 NONE/503 0 CONNECT pixel.alephd.com:443 - HIER_NONE/- -
1770888509.093 10815 172.16.50.21 TCP_TUNNEL/200 4751 CONNECT ams3-ib.adnxs.com:443 - HIER_DIRECT/185.89.210.153 -
1770888509.223 11319 172.16.50.21 TCP_TUNNEL/200 13210 CONNECT ib.adnxs.com:443 - HIER_DIRECT/185.89.210.90 -
1770888516.809 20039 172.16.50.21 TCP_TUNNEL/200 5673 CONNECT assets.msn.com:443 - HIER_DIRECT/62.15.252.186 -
1770888516.811 20043 172.16.50.21 TCP_TUNNEL/200 5674 CONNECT assets.msn.com:443 - HIER_DIRECT/62.15.252.186 -
1770888516.818 20051 172.16.50.21 TCP_TUNNEL/200 5676 CONNECT assets.msn.com:443 - HIER_DIRECT/62.15.252.186 -
1770888516.820 20051 172.16.50.21 TCP_TUNNEL/200 5676 CONNECT assets.msn.com:443 - HIER_DIRECT/62.15.252.186 -
1770888518.242 20069 172.16.50.21 TCP_TUNNEL/200 5667 CONNECT th.bing.com:443 - HIER_DIRECT/62.115.252.65 -
1770888518.251 20021 172.16.50.21 TCP_TUNNEL/200 290 CONNECT img-s-msn-com.akamaized.net:443 - HIER_DIRECT/62.115.252.170 -
1770888518.551 20062 172.16.50.21 TCP_TUNNEL/200 5667 CONNECT www.bing.com:443 - HIER_DIRECT/62.115.252.59 -
1770888518.555 20062 172.16.50.21 TCP_TUNNEL/200 5665 CONNECT www.bing.com:443 - HIER_DIRECT/62.115.252.59 -

```

- Client-2 logiväljavõte (grep IP)

IP on 172.16.50.22

```

1770887399.351 127753 172.16.50.22 TCP_TUNNEL/200 1170758 CONNECT th.bing.com:443 - HIER_DIRECT/80.239.137.144 -
1770887399.154 125343 172.16.50.22 TCP_TUNNEL/200 13288 CONNECT login.microsoftonline.com:443 - HIER_DIRECT/20.190.181.23 -
1770887399.960 125928 172.16.50.22 TCP_TUNNEL/200 12233 CONNECT login.live.com:443 - HIER_DIRECT/20.190.177.22 -
1770887400.625 130264 172.16.50.22 TCP_TUNNEL/200 7409 CONNECT browser.events.data.msn.com:443 - HIER_DIRECT/20.42.73.24 -
1770887403.738 127762 172.16.50.22 TCP_TUNNEL/200 7427 CONNECT www2.bing.com:443 - HIER_DIRECT/150.71.29.10 -
1770887403.997 128594 172.16.50.22 TCP_TUNNEL/200 10803 CONNECT testfamilysafety.bing.com:443 - HIER_DIRECT/150.171.27.20 -
1770887421.841 149684 172.16.50.22 TCP_TUNNEL/200 1213257 CONNECT www.bing.com:443 - HIER_DIRECT/80.239.137.146 -
1770887506.737 240217 172.16.50.22 TCP_TUNNEL/200 6838 CONNECT sb.scorecardresearch.com:443 - HIER_DIRECT/13.33.235.32 -

```

Vasta kirjalikult:

- Kas üks klient kasutab rohkem HTTPS-i?
Kõik kasutavad HTTPS
- Kas esineb DENIED kirjeid?
Jah kui üks klient läheb blokitud veebisaitile

```
DIRECT/20.135.4.169 -
1770889212.449      0 172.16.50.21 TCP_DENIED/403 4185 CONNECT www.facebook.com:443 - HIER_NONE/- te
xt/html
```

3. Enim külastatud domeenid

Lisa dokumenti:

- TOP domeenide loetelu (käsu väljund või käsitsi analüüs)

```
https://ubuntu.com/20-04

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Thu Feb 12 13:16:51 UTC 2026 on tty1
kristopher@proxy-vm-kristopher-hindeline:~$ awk '{print $7}' /var/log/squid/access.log | cut -d/ -f3
| sort | uniq -c | sort -nr | head -n 20
> ^C
kristopher@proxy-vm-kristopher-hindeline:~$ tail f/var/log/squid/access.log
tail: cannot open 'f/var/log/squid/access.log' for reading: No such file or directory
kristopher@proxy-vm-kristopher-hindeline:~$ f/var/log/squid/access.log
-bash: f/var/log/squid/access.log: No such file or directory
kristopher@proxy-vm-kristopher-hindeline:~$ sudo tail -f /var/log/squid/access.log
[sudo] password for kristopher:
1771490812.202 147197 172.16.50.21 TCP_TUNNEL/200 8723 CONNECT cp501.prod.do.dsp.mp.microsoft.com:44
3 - HIER_DIRECT/2.23.89.205 -
1771490812.202 146644 172.16.50.21 TCP_TUNNEL/200 8723 CONNECT cp501.prod.do.dsp.mp.microsoft.com:44
3 - HIER_DIRECT/2.23.89.205 -
1771490812.202 129773 172.16.50.21 TCP_TUNNEL/200 8723 CONNECT cp501.prod.do.dsp.mp.microsoft.com:44
3 - HIER_DIRECT/2.23.89.205 -
1771490812.202 96317 172.16.50.21 TCP_TUNNEL/200 9276 CONNECT cp501.prod.do.dsp.mp.microsoft.com:44
3 - HIER_DIRECT/2.23.89.205 -
1771490812.202 96039 172.16.50.21 TCP_TUNNEL/200 9320 CONNECT cp501.prod.do.dsp.mp.microsoft.com:44
3 - HIER_DIRECT/2.23.89.205 -
1771490812.202 95271 172.16.50.21 TCP_TUNNEL/200 8723 CONNECT cp501.prod.do.dsp.mp.microsoft.com:44
3 - HIER_DIRECT/2.23.89.205 -
1771490812.202 96156 172.16.50.21 TCP_TUNNEL/200 8816 CONNECT disc501.prod.do.dsp.mp.microsoft.com:
443 - HIER_DIRECT/2.23.89.205 -
1771490812.202 95844 172.16.50.21 TCP_TUNNEL/200 8816 CONNECT disc501.prod.do.dsp.mp.microsoft.com:
443 - HIER_DIRECT/2.23.89.205 -
1771490812.202 129852 172.16.50.21 TCP_TUNNEL/200 8875 CONNECT geover.prod.do.dsp.mp.microsoft.com:4
43 - HIER_DIRECT/2.23.89.205 -
1771490812.202 96416 172.16.50.21 TCP_TUNNEL/200 8875 CONNECT geover.prod.do.dsp.mp.microsoft.com:4
43 - HIER_DIRECT/2.23.89.205 -
-
```

Vasta kirjalikult:

- Kuidas tulemus saadi?

Vaatasin logi ja nägin kasutaja on korduvalt külastanud Microsoft.com kohta

4. Cache test

Lisa dokumenti:

- päringu logirida (TCP_MISS)

```
17/104.18.21.213 application/pkix-crl  
770897597.697      14 172.16.50.21 TCP_MISS/200 232114 GET http://r12.c.lencr.org/28.crl - HIER_DIT  
T/104.18.21.213 application/pkix-crl
```

- päringu logirida (TCP_HIT või TCP_MISS)

```
17/104.18.21.213 application/pkix-crl  
70897598.445      0 172.16.50.21 TCP_MEM_HIT/200 229489 GET http://r12.c.lencr.org/52.crl - HIER_E/- application/pkix-crl
```

Vasta kirjalikult:

- Mida tähendab MISS?

Kui domeen ei ole avatud browserist

- Mida tähendab HIT?

Vahemälu on salvestanud andmed

- Miks HIT ei pruugi tekkida?

Sest vahest cache ei tööta või ei ole lubatud teha vahemälu

II. LIGIPÄÄSUREEGLID JA KONTROLL

1. Reeglite ülevaatus

Vasta kirjalikult:

- Mitu http_access deny rida on?

4 Deny rida

- Mitu http_access allow rida on?

Ainult 2

- Milline on viimane rida?

Access_log/var/log/squid/Access.log squid

- Mida tähendab "default deny"?

- Keelatud võrgu väjaarvatud kindla loaga

2. Keelatud päringu analüüs

Lisa dokumenti:

- Üks logirida, kus on TCP_DENIED/403

```
DIRECT/20.135.4.169 -  
1770889212.449      0 172.16.50.21 TCP_DENIED/403 4185 CONNECT www.facebook.com:443 - HIER_NONE/- te  
xt/html
```

Vasta kirjalikult:

- Milline http_access rida selle otsuse tegi?
http_access deny keelatud
- Miks just see rida?
Sest see annab käskluse keelata
- Mis juhtuks, kui see rida oleks teises kohas?
Siis see oleks viga

3. Reeglite järjekorra mõju

Vasta kirjalikult:

- Kas facebook oleks blokeeritud näidisjärjekorras?
Mis näidisjärjekorras?
- Mis juhtuks, kui allow localnet oleks enne keelureeglit?
Siis see ei oleks läinud läbi
- Miks selline viga on ettevõttes ohtlik?
Sest siis kasutajad saavad ligipääsu keelatud domeenile või squid jookseb kokku

4. Kliendipõhine kontroll

Lisa dokumenti:

- Üks DENIED kirje

```
DIRECT/20.135.4.169 -  
1770889212.449      0 172.16.50.21 TCP_DENIED/403 4185 CONNECT www.facebook.com:443 - HIER_NONE/- te  
xt/html
```

- Üks ALLOWED kirje

```
1771490812.202 129773 172.16.50.21 TCP_TUNNEL/200 8723 CONNECT cp501.prod.do.dsp.mp.microsoft.com:44  
3 - HIER_DIRECT/2.23.89.205 -  
1771490812.202 96317 172.16.50.21 TCP_TUNNEL/200 9276 CONNECT cp501.prod.do.dsp.mp.microsoft.com:44  
3 - HIER_DIRECT/2.23.89.205 -
```

Siin ei ole DENY

Vasta kirjalikult:

- Kuidas logist näed, milline klient keelu sai?
IP aadress
- Kuidas tõestad, et teine klient ei olnud piirangu all?
Kontrollin squid reegli faili

5. Ajapõhine reegel

Vasta kirjalikult:

- Millisel kellaajal see kehtib?
13:30-13:32
- Mis juhtub väljaspool seda aega?
Kasutaja blokeeritakse sisenemast domeenile
- Miks on ajapõhised reeglid riskantsed?

Sest see võib blokeerida su vale ajal

6. IT-poliitika hinnang

Kirjuta 4–6 lauset:

- Milline reegel on kõige rangem?
Deny sest see võtab su vabaduse mis on väga julm
 - Milline on kõige lihtsamini valesti seadistatav?
HTTP rida sest ma vahest kirjutan HTTPS mis on vale
 - Millise reegli mõju on kasutajale kõige nähtavam?
Deny – sest kui ta külastab domeeni ta saab error nimega, et asutuskoht blokeeris ära su
-
- Millist reeglit peaks eriti hoolikalt dokumenteerima?
Järjekord ja grammatika

III. KÄIDELDAVUS JA TEENUSE HALDUS

1. Proksi peatamine

Lisa dokumenti:

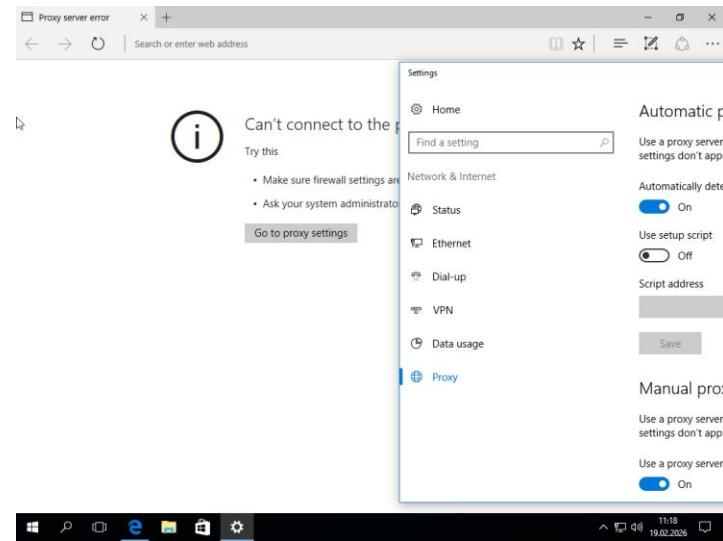
- Kirjeldus olukorast, kus Squid peatati

systemctl stop squid

```
:443 - HIER_DIRECT/72.153.5.130 -
1771492122.760 82432 172.16.50.22 TCP_TUNNEL/200 104057 CONNECT oneclient.sfx.ms:443 - HIER_DIRECT/
62.115.252.226 -
1771492122.760 123721 172.16.50.22 TCP_TUNNEL/200 3006 CONNECT array519.prod.do.dsp.mp.microsoft.com
:443 - HIER_DIRECT/72.153.5.140 -
1771492122.762 123729 172.16.50.22 TCP_TUNNEL/200 3007 CONNECT array511.prod.do.dsp.mp.microsoft.com
:443 - HIER_DIRECT/72.153.5.132 -
1771492122.762 126790 172.16.50.22 TCP_TUNNEL/200 11328 CONNECT kv501.prod.do.dsp.mp.microsoft.com:4
43 - HIER_DIRECT/2.23.89.205 -
1771492122.762 82650 172.16.50.22 TCP_TUNNEL/200 1100 CONNECT g.live.com:443 - HIER_DIRECT/13.107.2
26.67 -
1771492167.558 723 172.16.50.22 TCP_TUNNEL/200 4464 CONNECT sls.update.microsoft.com:443 - HIER_D
IRECT/74.179.77.204 -
1771492185.454 17141 172.16.50.22 TCP_TUNNEL/200 5669 CONNECT fe2.update.microsoft.com:443 - HIER_D
IRECT/172.184.231.68 -
1771492187.834 116561 172.16.50.22 TCP_TUNNEL/200 8754 CONNECT cp501.prod.do.dsp.mp.microsoft.com:44
3 - HIER_DIRECT/2.23.89.205 -
^C
kristopher@proxy-vm-kristopher-hindeline:~$ awk '{print $7}' /var/log/squid/access.log | cut -d/ -f3
| sort | uniq -c | sort -nr | head -n 20^C
kristopher@proxy-vm-kristopher-hindeline:~$ systemctl stop squid
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to stop 'squid.service'.
Authenticating as: kristopher
Password:
polkit-agent-helper-1: pam_authenticate failed: Authentication failure
==== AUTHENTICATION FAILED ===
Failed to stop squid.service: Access denied
See system logs and 'systemctl status squid.service' for details.
kristopher@proxy-vm-kristopher-hindeline:~$ systemctl stop squid
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to stop 'squid.service'.
Authenticating as: kristopher
Password:
==== AUTHENTICATION COMPLETE ===
-
```

Squid on mitte aktiivne ja kui klient läheb internetti surfama siis maagiliselt ei saa, kui uurid kas squid kuulab, squid ei kuule ta ei näe.

- Tõendus, et kliendid kaotasid interneti



Vasta kirjalikult:

- Miks see kinnitab, et proksi on Single Point of Failure?

Sest kui squid on maas, siis kõik klientid on maas lisaks kõik lubad ja keelud

2. Teenuse oleku kontroll

Lisa dokumenti:

- **systemctl status squid** väljund (pilt või kirjeldus)

```
| sort | uniq -c | sort -nr | head -n 20^C
kristopher@proxy-vm-kristopher-hindeline:~$ systemctl stop squid
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to stop 'squid.service'.
Authenticating as: kristopher
Password:
polkit-agent-helper-1: pam_authenticate failed: Authentication failure
==== AUTHENTICATION FAILED ===
Failed to stop squid.service: Access denied
See system logs and 'systemctl status squid.service' for details.
kristopher@proxy-vm-kristopher-hindeline:~$ systemctl stop squid
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to stop 'squid.service'.
Authenticating as: kristopher
Password:
==== AUTHENTICATION COMPLETE ===

kristopher@proxy-vm-kristopher-hindeline:~$ systemctl status squid
● squid.service - Squid Web Proxy Server
  Loaded: loaded (/lib/systemd/system/squid.service; enabled; vendor preset: enabled)
  Active: inactive (dead) since Thu 2026-02-19 09:17:28 UTC; 1min 43s ago
    Docs: man:squid(8)
   Process: 769 ExecStartPre=/usr/sbin/squid --foreground -z (code=exited, status=0/SUCCESS)
   Process: 850 ExecStart=/usr/sbin/squid -sYC (code=exited, status=0/SUCCESS)
 Main PID: 853 (code=exited, status=0/SUCCESS)

Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: storeDirWriteCleanLogs: Starting...
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Finished. Wrote 0 entries.
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Took 0.00 seconds ( 0.00 entries/sec).
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Logfile: closing log stdio:/var/log/squid>
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Logfile: closing log stdio:/var/log/squid>
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Squid Cache (Version 4.10): Exiting norma>
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[853]: Squid Parent: squid-1 process 856 exited >
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[853]: Removing PID file (/var/run/squid.pid)
Feb 19 09:17:28 proxy-vm-kristopher-hindeline systemd[1]: squid.service: Succeeded.
Feb 19 09:17:28 proxy-vm-kristopher-hindeline systemd[1]: Stopped Squid Web Proxy Server.
lines 1-18/18 (END)
```

Squid on surnud, selle töö nimel pidin squidi ära tapma

- **ss -ltnp | grep 3128** tulemus

```

Feb 19 09:17:28 proxy-vm-kristopher-hindeline systemd[1]: Stopped Squid
Web Proxy Server.

kristopher@proxy-vm-kristopher-hindeline:~$ ss -ltnp | grep 3128
kristopher@proxy-vm-kristopher-hindeline:~$
```

● 800x600x24 RDP 8/8 | 100% | 2647 KR / 137 MR | 19.02.2026 / 11:20:55

- Ega surnud ei kuule sind

Vasta kirjalikult:

- Mida tähendab active / inactive?
Active- squid hingab ja elab
InActive- squid sai südame infakti(jooksis kokku) või sunni viisil ära tappetud(systemctl stop squid)
- Mida näitab port 3128 olek?
Tühjust ja üksindust

3. Teenuse taastamine

Lisa dokumenti:

- Käsk teenuse käivitamiseks

`systemctl start squid`

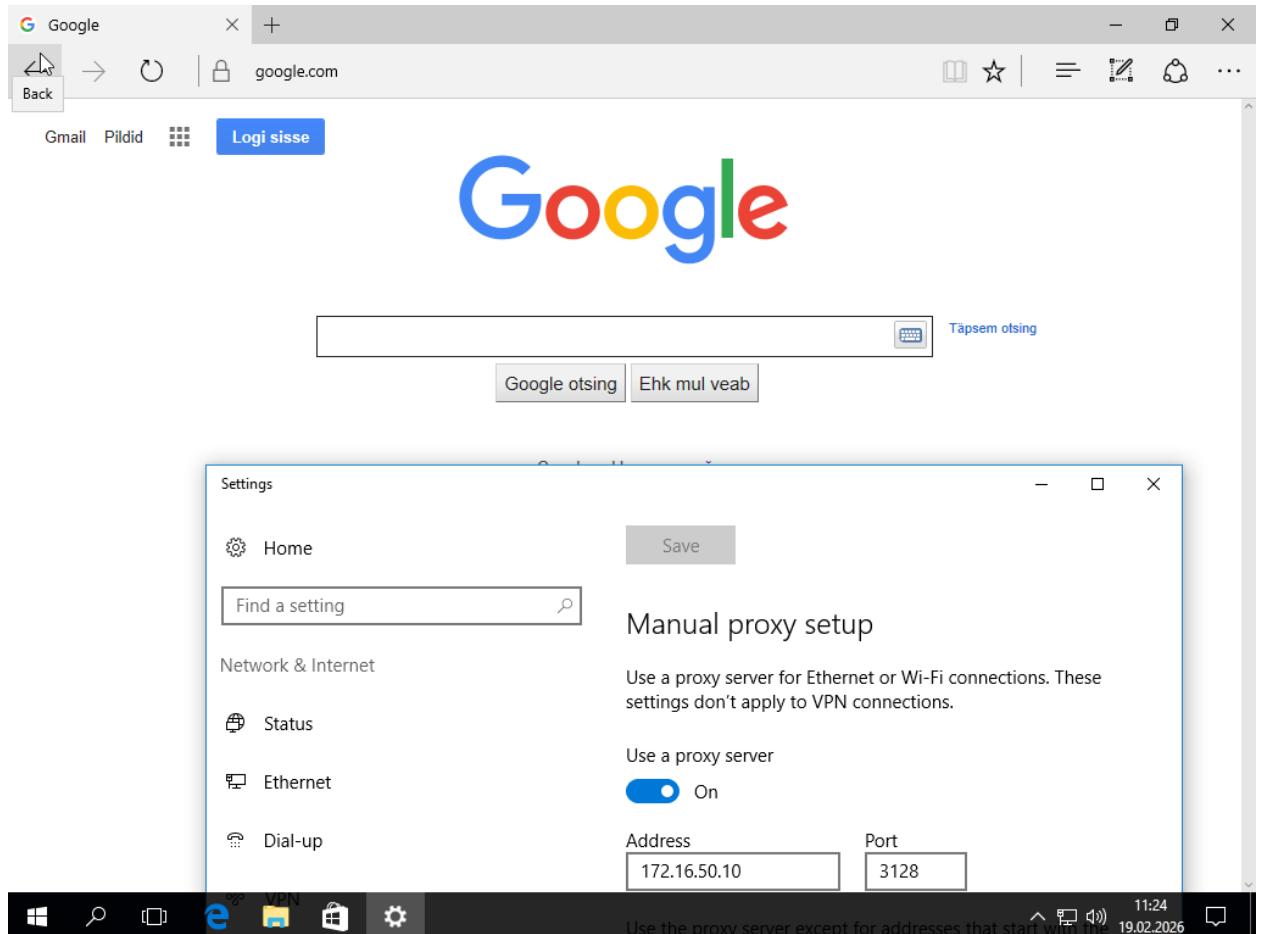
```

kristopher@proxy-vm-kristopher-hindeline:~$ systemctl status squid
● squid.service - Squid Web Proxy Server
   Loaded: loaded (/lib/systemd/system/squid.service; enabled; vendor preset: enabled)
   Active: inactive (dead) since Thu 2026-02-19 09:17:28 UTC; 1min 43s ago
     Docs: man:squid(8)
   Process: 769 ExecStartPre=/usr/sbin/squid --foreground -z (code=exited, status=0/SUCCESS)
   Process: 850 ExecStart=/usr/sbin/squid -sYC (code=exited, status=0/SUCCESS)
 Main PID: 853 (code=exited, status=0/SUCCESS)

Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: storeDirWriteCleanLogs: Starting...
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Finished. Wrote 0 entries.
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Took 0.00 seconds ( 0.00 entries/sec).
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Logfile: closing log studio:/var/log/squid>
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Logfile: closing log studio:/var/log/squid>
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[856]: Squid Cache (Version 4.10): Exiting normally
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[853]: Squid Parent: squid-1 process 856 exited >
Feb 19 09:17:28 proxy-vm-kristopher-hindeline squid[853]: Removing PID file (/var/run/squid.pid)
Feb 19 09:17:28 proxy-vm-kristopher-hindeline systemd[1]: squid.service: Succeeded.
Feb 19 09:17:28 proxy-vm-kristopher-hindeline systemd[1]: Stopped Squid Web Proxy Server.

kristopher@proxy-vm-kristopher-hindeline:~$ ss -ltnp | grep 3128
kristopher@proxy-vm-kristopher-hindeline:~$ systemctl start squid
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to start 'squid.service'.
Authenticating as: kristopher
Password:
polkit-agent-helper-1: pam_authenticate failed: Authentication failure
==== AUTHENTICATION FAILED ===
Failed to start squid.service: Access denied
See system logs and 'systemctl status squid.service' for details.
kristopher@proxy-vm-kristopher-hindeline:~$ systemctl start squid
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to start 'squid.service'.
Authenticating as: kristopher
Password:
==== AUTHENTICATION COMPLETE ===
kristopher@proxy-vm-kristopher-hindeline:~$ _
```

- Tõendus, et internet hakkas uuesti tööle



Vasta kirjalikult:

- Milline tegevus taastas teenuse?
Systemctl start squid
- Miks ei piisanud ainult kliendi kontrollimisest?
Sest vahest pead leppima sellega, et see ei ole klienti süü vaid
Sinu kehv võrguühenduse töö töttu juhtus midagi squid serveris.

4. Käideldavuse mõtteülesanne

Kirjuta 4–6 lauset:

- Miks on SPOF ettevõttes risk?
Sest see võtab kogu süsteemi endaga kaasa ja töötajad hakkavad protesteerima, miks nende CSGO ei tööta.
- Millal võib see olla vastuvõetav?

Siis kui sa lepid põrumisega või arvutid on ühendatud tagavara internetti ühendusega(NAT) aga siis kõik mis on keelustatud on nüüd lubatud, anarhia on lahti lastud.

- Kuidas päriselus SPOF-e vähendatakse
Kui squidi muudad, siis algsest katseta see test kasutajal mitte terve kasutaja süsteemi ja kõige parim viis väldita kehva võrguteenuse tööd on mitte kärpida IT sektori inimeste palka muidu nad hakkavad protesteerima...

ESITAMISE TINGIMUSED

Dokument peab sisaldama:

- Kõiki ülaltoodud küsimuste vastuseid
- Kõiki nõutud logiväljavõtteid või ekraanipilte
- Selget struktuuri (I, II, III peatükid)