Tips & Tricks

When was xroad-securityserver package last upgraded

```
ls -t /var/log/dpkg* | xargs zgrep "upgrade xroad-securityserver"
```

Editing keyconf

1. On master node, stop xroad-signer process
2. Edit keyconf
3. On master node, start xroad-signer process
4. Restart xroad-signer on slave nodes

Grep packet loss

```
cat /var/log/xroad/*.log|grep -v "org.eclipse.jetty.io.EofException: null"|wc -l
```

Time opmonitor database read

```
time echo "select count(id) from operational_data;" | psql -h 127.0.0.1 -U opmonitor -W op-monitor
```

Keyconfist välja parseda serdid normaliseeritud kujul

```
cat /etc/xroad/signer/keyconf.xml | python -c "exec(\"import sys, xml.etree.ElementTree as
ET\\nroot=ET.fromstring(sys.stdin.read())\\nfor cert in root.findall('.//cert/contents'):\\n print '-----BEGIN
CERTIFICATE-----\\\\n'+str('\\\\n').join([cert.text[i:i+64] for i in range(0, len(cert.text), 64)])+'\\\\n-----END
CERTIFICATE-----'\")"
```

Logback location

```
/etc/xroad/conf.d/
```

Global conf location in ss

```
/etc/xroad/globalconf/<environment>/shared-params.xml
```

List xroad services status

```
systemctl list-units "xroad*"
```

Stop all xroad processes

```
systemctl stop xroad-*
```

Environmental monitoring

is the monitoring of the X-Road environment: details of the security servers such as operating system, memory, disk space, CPU load, running processes and installed packages, etc.

Operational monitoring

is the monitoring of operational statistics such as which services have been called, how many times, what is the average response time, etc.

Count proxy open files

```
lsof -p `systemctl show -p MainPID xroad-proxy.service|cut -d'=' -f2`|wc -l
```