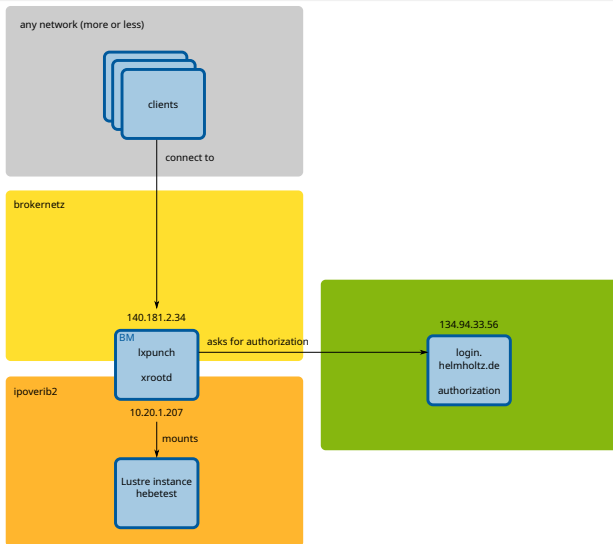


Status GSI data lake prototype (PUNCH)

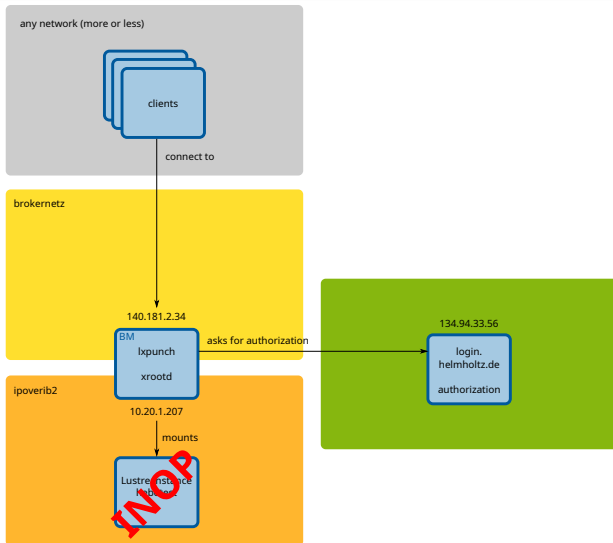
Sören Fleischer

14.02.2023

High-level block diagram



Using local disk while hebetest is inoperative



xrootd configuration

```
root@lxpunch1:~# cat /etc/xrootd/xrootd.conf
all.export / r/w
all.sitename GSI

http.exthandler xrdtpc libXrdHttpTPC.so
http.header2cgi Authorization authz
http.tlsreuse off
if exec xrootd
xrd.protocol XrdHttp /usr/lib/libXrdHttp.so
fi

sec.protocol ztn -expiry required -maxsz 4k -tokenlib libXrdAccSciTokens.so

xrd.port 1094

xrd.tls /home/punch/lxpunch1_cert.pem /home/punch/lxpunch1_key.pem
xrd.tlsca certdir /etc/grid-security/certificates

cms.space 1k 2k
oss.localroot /home/punch/data/

all.adminpath /run/xrootd
all.pidpath /run/xrootd

ofs.tpc autorm ttl 60 60 xfr 40 pgm /usr/bin/xrdcp --server
xrootd.chksum max 2 md5 adler32 crc32

ofs.authlib ++ /usr/lib/libXrdAccSciTokens.so config=/etc/xrootd/scitokens.cfg

acc.authdb /etc/xrootd/auth_file
ofs.authorize
```

collaborative effort

- Iterating xrootd configuration with Oliver Freyermuth
- Oliver Wirth triggered fixing the network configuration (wrong default gateway)
- Using xrootd compilation workflow by Paul Kramp