



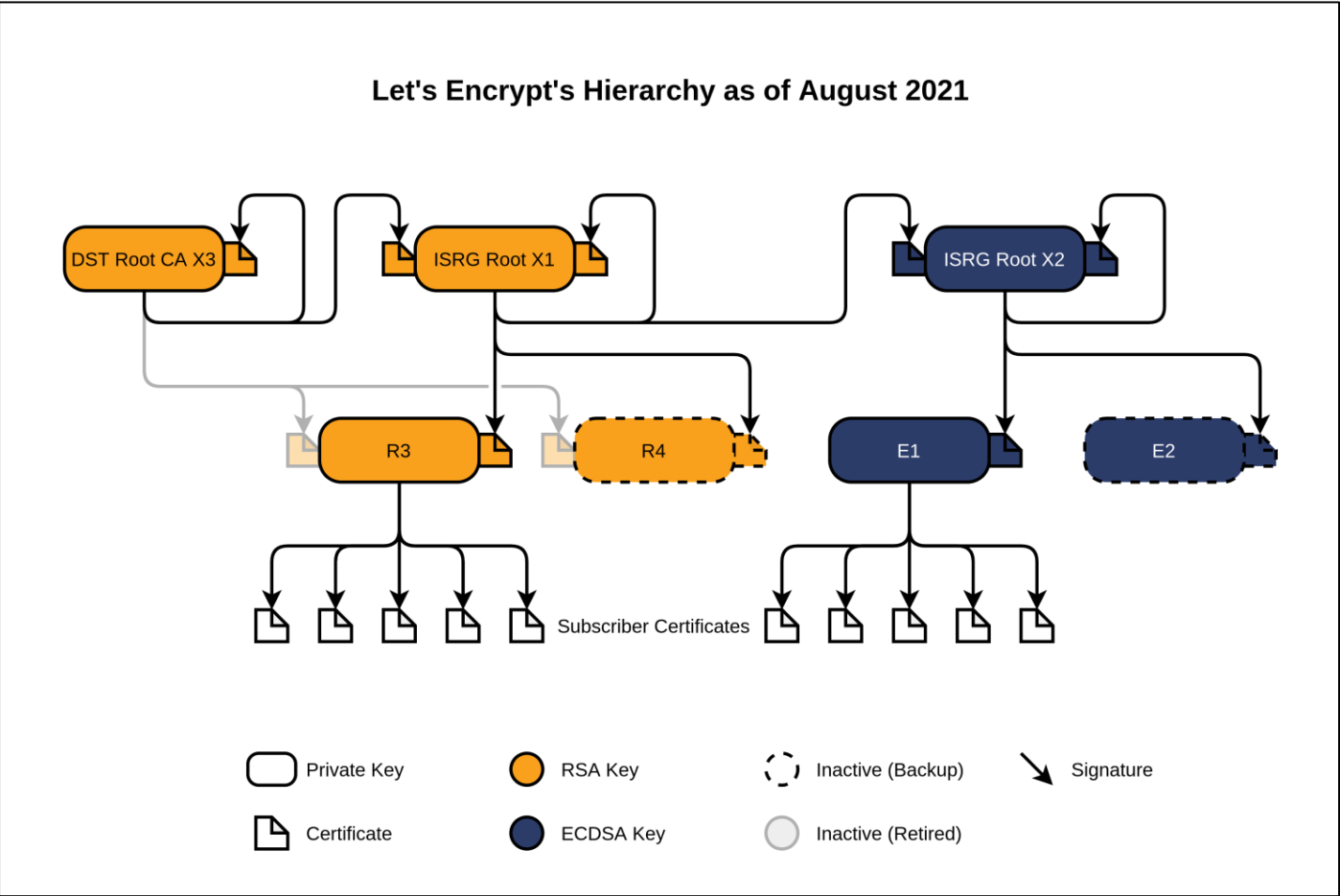
SINEMA RC

Using LetsEncrypt Certificates

Installation

- Let's Encrypt allow

Let's Encrypt CA Hierarchy



- The ISRG Root X1 may still be signed by the meanwhile expired “Root CA X3”.
- This causes issues when trying to import the certificates in SINEMA RC since the signing is checked and the other root expired.
- You’ll get an error in the log saying:

System	Error in cert import validation: Certificate chain is not complete!
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Source: <https://letsencrypt.org/certificates/>

Possible Fixes with new certificates

- To fix the issue permanently the settings of the can be adjusted by using:
 - preferred-chain = "ISRG Root X1" in the **cli.ini** file
 - --preferred-chain "ISRG Root X1" on calling **certbot ...** directly
- This should result in the certificates being issued by "ISRG Root X1" without the chain containing the cross signing to "Root CA X3"
The **chain.pem** can be imported without change then
- On debain bullseye running certbot 1.12.0 if was not sufficient to just use the renew option
The account had to be unregistered first by running:
certbot unregister
and adding it again, e.g.
certbot certonly --standalone --preferred-challenges http --rsa-key-size 4096 --preferred-chain "ISRG Root X1" -d yourhost.com
- Afterwards "Root CA X3" is no longer in the chain and the import works