

RFC proxies

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What's the difference?

■ Legacy proxy:

```
$ grid-proxy-info
subject   : [...] /CN=proxy /CN=proxy /CN=proxy /CN=proxy
issuer    : [...] /CN=proxy /CN=proxy /CN=proxy
identity  : [...]
type      : full legacy globus proxy
strength  : [...]
path      : [...]
timeleft  : [...]
```

■ RFC proxy:

```
$ grid-proxy-info
subject   : [...] /CN=1690539221 /CN=925500684 /CN=173197385 /CN=2083576435
issuer    : [...] /CN=1690539221 /CN=925500684 /CN=173197385
identity  : [...]
type      : RFC 3820 compliant impersonation proxy
strength  : [...]
path      : [...]
timeleft  : [...]
```

What's the big deal?

- RFC proxies are the **standard**
 - **Better** supported by “random” SW we use
- They are **supported** by all MW versions that themselves are supported today
 - We happened to get that “for free” with the SHA-2 campaign
- **Legacy** proxies have already run into a few support **issues**
 - Workarounds were found so far
 - Better get rid of remaining dependencies and finally switch to RFC proxies this year

Status per experiment

- **ALICE** are switching WLCG VOBOXes at their sites to RFC proxies
 - Latest AliEn versions **only** support **RFC** proxies
- **ATLAS** will check if previous obstacles for RFC proxies are gone now
- **CMS** users are using RFC proxies since many months
 - **Legacy** proxies had run into an **incompatibility** after CMS web services were upgraded from SL5 to SL6
- **LHCb** will check if DIRAC supports RFC proxies

Other players

- SAM
 - The SAM-Nagios proxy renewal sensor needs an **easy fix** to support RFC proxies
 - To be followed up soon
 - That will allow us to **verify** if the tested grid services are indeed ready everywhere
- Anything else?

UI clients

- Legacy proxies are still the default
- To get an RFC proxy today:
 - `voms-proxy-init -rfc`
 - `myproxy-init` needs this environment variable:
 - `GT_PROXY_MODE=rfc`
- RFC proxies could become the default later this year
 - To be coordinated with EGI and OSG
- Followup in Operations Coordination TF