

TRS at SLAC

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Token Renewal Service

The token renewal service (TRS) has been used at SLAC National Accelerator Laboratory since the late 1990s. In 2018 it was found to be lacking in some critical areas (encryption types used and other basic mechanism would no longer be available for post Red Hat 6 systems.)

Requirements gathering:

The legacy TRS did 'this', so the new TRS should too.

```
Use_Cases = ['scientists', 'service_admins' ]
```

What are others doing?

kron at Fermi

K5cron at DESY

Other solutions

Configuration management
K5start and service keytabs

Distributed computing

Beyond cron

Kerberos principals and your network

user@realm

User/instance@realm

e.g user/admin@realm , user/sudo@realm

Kcron provides us username/cron/host.domain@realm

Perhaps user/jupyter/host.domain@realm or

User/hpss/host.domain@realm

Distributed compute and the file store

AFS and pts ids

User/batchtxt@realm

User/['aws', 'azure', 'google']@realm

KAFS and AF_RXRPC

For more information:

<https://confluence.slac.stanford.edu/display/TRS>