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# existing users/applications

## CERN Linux "kinit"

(acquires Kerberos4 TGTs by default, for use with other services. Not required for login)

## CERN Linux pam configuration

(acquires Kerberos4 TGTs by default, for use with other services. Not required for login)

## SSH

used via `.klogin` and SSH-1. Should only get used if no equivalent `.k5login` exists, or if the user only has a Kerberos4 TGT. Assumes a CERN or ancient SSH client (newer version don't speak SSH-1 anymore, or at least don't have the Kerberos4 patches).

## CVS "kserver"

initial attempt to turn off on Dec 5th but announcement mail hadn't been sent. Now rescheduled for "mid-January 2009", rescheduled to "end January"

## OpenAFS "klog.krb"

(not much we can do about this - write a "wrapper"?)

## Windows OpenAFS client

(needs KfW-addon to use Kerberos5, otherwise can only do Kerberos4).

Unsupported on NICE, as per <https://winservices.web.cern.ch/winservices/Help/?kbid=060515> But has a CERN-specific README `\\cern.ch\dfs\Applications\IBM\OpenAFS-1.5.39\CERNREADME.txt` that explicitly mentions installing and configuring KfW. Short test by John indicates that the Kerberos4 things can be removed without harm, and that the ticket cache contains only a Kerberos5 TGT (and AFS service ticket).

## /etc/srvtab creation

(done by `cern-config-keytab`, in order to use Kerberos4 authentication against the machine)

## Others, to be confirmed

- arc?
- gssklog

# Usage Monitoring

- Bernard will look at the KDC logs, these should include a hint whether a Kerberos5 or Kerberos4 TGT request has been made
- `fslogs` has SSH logs for most centrally-managed Linux machines, these indicate the authentication method
- firewall logs for `afsdb3`, ports 88 and 750 ?

## Steps & Timeline

- no longer provide Kerberos4 TGTs by default on SLC (modify "kinit" wrapper, modify PAM config ?)
  - ◆ FIO scheduled update beginning of Feb?
- no longer create `/etc/srvtab` on SLC (change `cern-config-keytab`)
  - ◆ FIO scheduled update beginning of Feb?
- firewall port 750 on the KDCs - Rainer: might be used also by K5-clients?
- disallow cvs "kserver" access: announced on 2008-12-11 for end of January, to info-cvs ML

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This topic: [LinuxSupport > Kerberos4PhaseOut](#)

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