

NAME

kinit - acquire initial tickets

SYNOPSIS

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kinit [--afslog] [-c cachename | --cache=cachename] [-f | --no-forwardable]
  [-t keytabname | --keytab=keytabname] [-l time | --lifetime=time] [-p | --proxiable] [-R | --renew]
  [--renewable] [-r time | --renewable-life=time] [-S principal | --server=principal]
  [-s time | --start-time=time] [-k | --use-keytab] [-v | --validate] [-e enctypes | --enctypes=enctypes]
  [-a addresses | --extra-addresses=addresses] [--password-file=filename]
  [--fcache-version=version-number] [-A | --no-addresses] [--anonymous] [--enterprise] [--version]
  [--help] [principal [command]]
```

DESCRIPTION

kinit is used to authenticate to the Kerberos server as *principal*, or if none is given, a system generated default (typically your login name at the default realm), and acquire a ticket granting ticket that can later be used to obtain tickets for other services.

Supported options:

-c *cachename* **--cache**=*cachename*

The credentials cache to put the acquired ticket in, if other than default.

-f **--no-forwardable**

Get ticket that can be forwarded to another host, or if the negative flags use, don't get a forwardable flag.

-t *keytabname*, **--keytab**=*keytabname*

Don't ask for a password, but instead get the key from the specified keytab.

-l *time*, **--lifetime**=*time*

Specifies the lifetime of the ticket. The argument can either be in seconds, or a more human readable string like '1h'.

-p, **--proxiable**

Request tickets with the proxiable flag set.

-R, **--renew**

Try to renew ticket. The ticket must have the 'renewable' flag set, and must not be expired.

--renewable

The same as **--renewable-life**, with an infinite time.

-r *time*, **--renewable-life=***time*

The max renewable ticket life.

-S *principal*, **--server=***principal*

Get a ticket for a service other than krbtgt/LOCAL.REALM.

-s *time*, **--start-time=***time*

Obtain a ticket that starts to be valid *time* (which can really be a generic time specification, like '1h') seconds into the future.

-k, **--use-keytab**

The same as **--keytab**, but with the default keytab name (normally *FILE:/etc/krb5.keytab*).

-v, **--validate**

Try to validate an invalid ticket.

-e, **--etypes=***etypes*

Request tickets with this particular enctype.

--password-file=*filename*

read the password from the first line of *filename*. If the *filename* is *STDIN*, the password will be read from the standard input.

--fcache-version=*version-number*

Create a credentials cache of version *version-number*.

-a, **--extra-addresses=***etypes*

Adds a set of addresses that will, in addition to the systems local addresses, be put in the ticket. This can be useful if all addresses a client can use can't be automatically figured out. One such example is if the client is behind a firewall. Also settable via *libdefaults/extra_addresses* in *krb5.conf(5)*.

-A, **--no-addresses**

Request a ticket with no addresses.

--anonymous

Request an anonymous ticket (which means that the ticket will be issued to an anonymous principal, typically "anonymous@REALM").

--enterprise

Parse principal as a enterprise (KRB5-NT-ENTERPRISE) name. Enterprise names are email like principals that are stored in the name part of the principal, and since there are two @ characters the parser needs to know that the first is not a realm. An example of an enterprise name is "lha@e.kth.se@KTH.SE", and this option is usually used with `canonicalize` so that the principal returned from the KDC will typically be the real principal name.

--afslog

Gets AFS tickets, converts them to version 4 format, and stores them in the kernel. Only useful if you have AFS.

The *forwardable*, *proxiabile*, *ticket_life*, and *renewable_life* options can be set to a default value from the `appdefaults` section in `krb5.conf`, see `krb5_appdefault(3)`.

If a *command* is given, **kinit** will set up new credentials caches, and AFS PAG, and then run the given command. When it finishes the credentials will be removed.

ENVIRONMENT**KRB5CCNAME**

Specifies the default credentials cache.

KRB5_CONFIG

The file name of *krb5.conf*, the default being */etc/krb5.conf*.

KRBTKFILE

Specifies the Kerberos 4 ticket file to store version 4 tickets in.

SEE ALSO

`kdestroy(1)`, `klist(1)`, `krb5_appdefault(3)`, `krb5.conf(5)`