Introducing `htpasswd`, `banfile` and the new `ldap` Plugin

Karsten Schwank

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htpasswd Plugin

An auth-plugin to authenticate users based on username+password using an htpasswd file.

We would like to propose to use htpasswd as a replacement for the old
kpwd

dCache

Configuration

```
# ---- htpasswd plugin
gplazma.htpasswd.file = ${dcache.paths.etc}/
    htpasswd
gplazma.htpasswd.file.cache-period = 1
gplazma.htpasswd.file.cache-period.unit = SECONDS
```

dCache

Command line client `htpasswd` available on all relevant platforms

Create a new `htpasswd` file

```
htpasswd -c /etc/dcache/htpasswd <firstuser>
```

Create user entry in htpasswd file

```
htpasswd /etc/dcache/htpasswd <user>
```

An account-Plugin to ban users based on their gPlazma principal

Plugin configuration

```
gplazma.banfile.path = ${dcache.paths.etc}/ban.conf
```

Banning configuration

```
# Ban users by principal
alias dn=org.globus.gsi.jaas.GlobusPrincipal
alias kerberos=javax.security.auth.kerberos.KerberosPrin
alias fqan=org.dcache.auth.FQANPrincipal
alias name=org.dcache.auth.LoginNamePrincipal

ban name:ernie
ban kerberos:BERT@EXAMPLE.COM
ban com.example.SomePrincipal:Samson
```

dCache

Principals

- The plugin can be used with any principal class that is defined by a single String
- For the most common principal classes (in dCache) we already defined the aliases (s.a.)

A map, `session` and `identity` plugin using LDAP

Configuration 1/3

```
# LDAP server url
gplazma.ldap.url = ldap://${gplazma.ldap.server}:${
    gplazma.ldap.port}

gplazma.ldap.organization = o=YOUR-SITE,c=YOUR-
    COUNTRY
gplazma.ldap.tree.people = People
gplazma.ldap.tree.groups = Groups
```

Configuration 2/3

```
#
# The search filter to use to locate a user's entry
    in the LDAP directory.
# It must contain the special token "%s" which will
    be replaced with the
# supplied username value before the name is used
#
# Some examples:
#    "(uid=%s)"
#    "(&(uid=%s)(objectClass=inetOrgPerson))"
#
gplazma.ldap.userfilter = (uid=%s)
```

Configuration 3/3

```
#
# In both variables %ldapField% expressions will be
    expanded to the
# value of the field "ldapField" in the user entry
   on the LDAP server.
#
# E.g., %homeDirectory% will be expanded to the
   value of the field
# "homeDirectory"
#
gplazma.ldap.home-dir = "%homeDirectory%"
gplazma.ldap.root-dir = "/"
```

Variable expansion

Questions?