Day-to-Day Cell Administration

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Lecture 23

Simple Group dcecp Commands

- group catalog [-simplename]
- group delete <*group*>
- group rename <*group*> -to <*group*>
- group add <*group*> -member <*principal*>
- group list <*group*> [-simplename]
- group remove <*group*> -member < *principal*>

Create a Group

- group create <*group*> -attribute <*list*>
- where the <*list*> is of the form {{<*option*> <*value*>} ...}
- <option> <value>
    - -alias name
    - -gid number
    - -uuid number
    - -fullname string
    - -inprojlist yes/no

How do I “pause” a group?

- group modify <*group*> -change {{-inprojlist no}}
- This will keep the group in the registry with an intact principal list but this group will not be in any PAC.

Can I Extend Group Attributes?

- group <*group*> modify -add <*ERA*>
- group <*group*> modify -remove <*ERA*>
- First create an ERA and the group then add extended registry attributes.

Organization

- The organization commands follow the group commands except with a different attribute list.
- Recall, the organization defines the policies.
- An organization is a list of principals.
- Organization can have ERAs.

Organization Attributes

- orgid number
- uuid number
- fullname sting

Organization Policy Attributes

- acctlife [time | unlimited]
- pwdalpha [yes|no]
- pwdexpdate [time | none]
- pwdlife [time | unlimited]
- pwdminlen number
- psdspaces [yes|no]

How to force all passwords to be changed (in this org)

- organization <*org*> -modify {{-*change* pwdexpdate <*now*>}}

Simple Principal Commands

- principal catalog [-simplename]
- principal delete <*principal*>
- principal rename <*principal*> -to < *principal*>
- principal show <*principal*>

Principal Create

- principal create <*principal*> -attribute {attribute value list}
- alias [yes|no]
- uid number
- uuid number
- fullname string
- quota [number, 0, unlimited]
  - number of registry objects this principal can create

Simple Accounts Commands

- account catalog [-simplename]
- account delete <*account*>
- account show <*account*>

Create an Account

- account create <*principal*>
- -password <*password*>
- -group <*group*>
- -organization <*organization*>
- -mypassword <password>
- -attribute <*name value list*>

Account Attributes

- acctvalid [yes|no]
- client [yes|no]
- create <date>
- description <string>
- dupkey [yes|no]
- expdate <date>
- forwardabletkt [yes|no]

More Account Attributes

- goodsince <date>
- home <directory name>
- lastchange <principal> <time>
- postdatetkt [yes|no]
- proxiabletkt [yes|no]
- pwdvalid [yes|no]
- renewabletkt [yes|no]

More Account Attributes

- server [yes|no]
- shell <unix shell>
- stdtgtauth [yes|no]
- maxtktlife <time>
- maxtktrenew <time>

Common Account Actions

- Freeze an account?
  - account <account> -attribute {{acctvalid no}} -mypassword <password>
- Force password change?
  - account <account> -attribute {{pwdvalid no}} -mypassword <password>

Simple Host Commands

- host catalog [-simplename]
- host ping <*hostname*>
- host start <*hostname*>
- host stop <*hostname*> -force
- host show <*hostname*>
- host unconfigure <*hostname*>

Configure a Host

- host configure <*hostname*> -cell < *cellname*> -client -secmaster < *secmastername*> -cds <*cdsname*> -admin <*cell_admin*> -password <*password*>

Hostdata

- hostdata catalog [-simplename]
- /.../cellname/hosts/hostname/config/hostdata/
    - dce_cf.db
    - cell_name
    - pe_site
    - host_name
    - cell_aliases
    - post_processors
    - svr_routing

hostdata create

- hostdata create <dataname> -attribute {{uuid <number>} {annotation <string>} {storage <filename>} {hostdata/data < data>}} [-binary]
- example:
- dcecp> hostdate create file1 -attribute {{storage /tmp/file1} {data {hello world}}}

hostdata -entry

- The hostdata modify and delete command has the -entry option. If present, the operation works on the name in the cds. If not present, the operation works on the data at the host location.

Common Keytab Commands

- keytab catalog <*keytabname*> [-simplename]
- /.../*cellname*/hosts/*hostname*/keytab/*keytabname*
- keytab delete <*keytabname*> [-entry]

keytab create

- keytab create <*keytabname*> {-attribute {-uuid <*number*>} {-annotation <*string*>} {-storage <*filename*>} {-data {<*list of principals and keys*>}}} [-random]
- <principal> des [<version> <key>]
- <principal> plain <version> <key>

keytab add

- keytab add <*keytabname*> -member < principal> [-registry -random -version]
- keytab add <*keytabname*> -member < principal> [-registry] -key <*password*> -version <*number*>

Application

- <principal, keytab>
- can use the identify of the host machine
- can use it’s own identity
- object in the name space
  - group, profile, rpc object

CDS

- directories
- links
- objects with attributes
- clearing houses

Registry

- backup
- skulk
- sink