Demo: Can I really do that?

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Lecture 10

Group help

```
dcecp> group help
add                 Adds a member to the named group.
catalog             Returns a list of all the names of groups in the registry.
create              Creates a group.
delete              Deletes a group.
list                Returns all of the members of a group.
modify              Changes the information about a group.
remove              Removes a specified member from the named group.
rename              Renames the specified group.
show                Returns the attributes of a group.
help                Prints a summary of command-line options.
operations          Returns the valid operations for command.
```

Group Catalog

```
dcecp> group create help
dcecp> group cat
/.../stanford.edu/nogroup
/.../stanford.edu/system
/.../stanford.edu/daemon
/.../stanford.edu/uucp
/.../stanford.edu/bin
/.../stanford.edu/kmem
/.../stanford.edu/mail
/.../stanford.edu/tty
/.../stanford.edu/none
/.../stanford.edu/tcb
/.../stanford.edu/acct-admin
/.../stanford.edu/subsys/dce/sec-admin
/.../stanford.edu/subsys/dce/cds-admin
/.../stanford.edu/subsys/dce/dts-admin
/.../stanford.edu/subsys/dce/cds-server
/.../stanford.edu/subsys/dce/dts-servers
/.../stanford.edu/subsys/dce/audit-admin
/.../stanford.edu/subsys/dce/dced-admin
/.../stanford.edu/dce-tech
/.../stanford.edu/dce-team
/.../stanford.edu/grade_server
/.../stanford.edu/teacher
/.../stanford.edu/math_server
/.../stanford.edu/auth_server
/.../stanford.edu/cs_depart
/.../stanford.edu/layer1/layer2
/.../stanford.edu/med_depart
/.../stanford.edu/class
/.../stanford.edu/foo
/.../stanford.edu/net_working/group1
/.../stanford.edu/networking
/.../stanford.edu/net_working/g2
/.../stanford.edu/net_working/grade_server
/.../stanford.edu/net_working/teacher
/.../stanford.edu/net_working/try
/.../stanford.edu/net_working/group_security_labs
/.../stanford.edu/Test_Apps
/.../stanford.edu/subsys/dce/dfs-admin
/.../stanford.edu/subsys/dce/dfs-fs-servers
/.../stanford.edu/subsys/dce/dfs-bak-servers
/.../stanford.edu/subsys/dce/dfsgw-admin
```

Group list and show

```
dcecp> group show dce-team
{alias no}
{gid 111}
{uuid 0000006f-3187-21cf-ac01-2415004faa77}
{inprojlist yes}
{fullname {}}
dcecp> group list dce-team
/.../stanford.edu/jiewang
/.../stanford.edu/ccc
/.../stanford.edu/bhatia
/.../stanford.edu/bhagat
/.../stanford.edu/kedar
/.../stanford.edu/burback
/.../stanford.edu/borthaku
/.../stanford.edu/herhusky
/.../stanford.edu/auth_uptime_server
/.../stanford.edu/jie
/.../stanford.edu/web_server_1
dcecp>
```

Organization

```
dcecp> organization help
add                    Adds a member to the named organization.
catalog                Returns a list of all the names of organizations.
create                 Creates an organization in the registry.
delete                 Deletes an organization from the registry.
list                   Returns a list all of the members of an organization.
modify                 Changes the information about an organization.
remove                 Removes a member from the named organization.
rename                 Renames the specified organization.
show                   Returns the attributes of an organization.
help                   Prints a summary of command-line options.
operations             Returns the valid operations for command.
```

Organization Catalog

```
dcecp> organization catalog
/.../stanford.edu/none
/.../stanford.edu/DCG
/.../stanford.edu/test_adduser_org
/.../stanford.edu/cs_depart
/.../stanford.edu/1/2/3
/.../stanford.edu/med_depart
/.../stanford.edu/class
/.../stanford.edu/ex3org
/.../stanford.edu/networking/org1
/.../stanford.edu/networking/sid
/.../stanford.edu/networking/try
/.../stanford.edu/networking/server_p4
/.../stanford.edu/networking/org_security_labs
/.../stanford.edu/ohi_org
```

Organization show and list

```
dcecp> organization show /.../stanford.edu/class
{fullname {}}
{orgid 105}
{uuid 00000069-5b55-21cf-ac02-2415004faa77}
dcecp> organization list /.../stanford.edu/class
/.../stanford.edu/user20
/.../stanford.edu/user19
/.../stanford.edu/user18
/.../stanford.edu/server3
/.../stanford.edu/user16
/.../stanford.edu/user15
/.../stanford.edu/user14
/.../stanford.edu/user13
/.../stanford.edu/user12
/.../stanford.edu/user11
/.../stanford.edu/user10
/.../stanford.edu/user9
/.../stanford.edu/user8
/.../stanford.edu/user7
/.../stanford.edu/user6
/.../stanford.edu/user5
/.../stanford.edu/user4
/.../stanford.edu/user3
/.../stanford.edu/user2
/.../stanford.edu/user1
/.../stanford.edu/server1
/.../stanford.edu/server5
/.../stanford.edu/server_p1
/.../stanford.edu/server_p2
```

Principals

```
dcecp> principal help
catalog             Returns all the names of principals in the registry.
create              Creates a DCE principal.
delete              Deletes a principal from the registry.
modify              Changes the information about a principal.
rename              Renames the specified principal.
show                Returns the attributes of a principal.
help                Prints a summary of command-line options.
operations          Returns the valid operations for command.
dcecp> principal show burback
{fullname {Ron Burback}}
{uid 10034}
{uuid 00002732-3033-21cf-ac00-2415004faa77}
{alias no}
{quota unlimited}
{groups dce-tech dce-team}
```

Accounts

```
dcecp> account help
catalog             Returns the names of all accounts in the registry.
create              Creates an account in the registry.
delete              Deletes an account from the registry.
generate            Generates a random password for an account in the registry.
modify              Modifies an account in the registry.
show                Returns the attributes of an account.
help                Prints a summary of command-line options.
operations          Returns the valid operations for command.
dcecp> account show burback
{acctvalid yes}
{client yes}
{created /.../stanford.edu/cell_admin 1995-12-06-17:05:00.000-08:00I-----}
{description {}}
{dupkey no}
{expdate none}
{forwardabletkt yes}
{goodsince 1995-12-06-17:05:00.000-08:00I-----}
{group dce-team}
{home /}
{lastchange /.../stanford.edu/cell_admin 1996-05-09-14:52:02.000-07:00I-----}
{organization DCG}
{postdatedtkt no}
{proxiabletkt no}
{pwdvalid yes}
{renewabletkt yes}
{server yes}
{shell {}}
{stdtgtauth yes}
```

Account cell_admin

```
dcecp> account show cell_admin
{acctvalid yes}
{client yes}
{created /.../stanford.edu/cell_admin 1995-12-05-05:48:38.000-08:00I-----}
{description {}}
{dupkey no}
{expdate none}
{forwardabletkt yes}
{goodsince 1995-12-05-05:48:38.000-08:00I-----}
{group none}
{home /}
{lastchange /.../stanford.edu/cell_admin 1996-02-09-10:50:33.000-08:00I-----}
{organization none}
{postdatedtkt no}
{proxiabletkt no}
{pwdvalid yes}
{renewabletkt yes}
{server yes}
{shell {}}
{stdtgtauth yes}
```

Account locksmith

```
dcecp> account show locksmith
Error: Registry object not found
dcecp> principal show locksmith
Error: Registry object not found
```

Account lunaris

```
dcecp> principal show /.:/hosts/lunaris/self
{fullname {}}
{uid 29959}
{uuid 00007507-9d6c-21cf-9200-2415004faa77}
{alias no}
{quota unlimited}
{groups none subsys/dce/dts-servers}
dcecp> account show /.:/hosts/lunaris/self
{acctvalid yes}
{client yes}
{created /.../stanford.edu/cell_admin 1996-04-23-17:57:41.000-07:00I-----}
{description {}}
{dupkey no}
{expdate none}
{forwardabletkt yes}
{goodsince 1996-04-23-17:57:00.000-07:00I-----}
{group none}
{home /}
{lastchange /.../stanford.edu/hosts/lunaris/self 1996-04-23-17:57:43.000-07:00I--
---}
{organization none}
{postdatedtkt no}
{proxiabletkt no}
{pwdvalid yes}
{renewabletkt yes}
{server yes}
{shell {}}
{stdtgtauth yes}
```

ACL

```
dcecp> acl help
check              Returns ACL permissions of invoker.
delete             Deletes all ACL entries except 'user_obj' entry if it exists.
modify             Adds, removes, or changes ACL entries and attributes.
permissions        Returns permissions associated with an object.
replace            Replaces entire ACL with new ACL entries and attributes.
show               Returns ACL entries or attributes on an object.
help               Prints a summary of command-line options.
operations         Returns the valid operations for command.
dcecp>
```

ACL show and permissions

```
dcecp> acl show /.../stanford.edu/dceauth1_ch
{unauthenticated r--t-}
{group subsys/dce/cds-admin rwdtc}
{group subsys/dce/cds-server rwdtc}
{group dce-team -w---}
{group networking -w---}
{group encina_admin_group rwdtc}
{any_other r--t-}

dcecp> acl permissions /.../stanford.edu/dceauth1_ch
{r {Read entry attributes}}
{w {Update entry attributes}}
{d {Delete entry}}
{t {Test attribute values}}
{c {Change ACL}}
```

Audit help

```
dcecp> aud help
disable             Disables the audit daemon.
enable              Enables the audit daemon.
modify              Modifies the attributes of the audit daemon.
rewind              Rewinds the specified audit trail file to the beginning.
show                Returns the attributes for an audit daemon.
stop                Stops the audit daemon.
help                Prints a summary of command-line options.
operations          Returns the valid operations for command.
```

Audit Events

```
dcecp> audevents help
catalog             Returns the list of event classes for an audit daemon.
show                Returns the contents of an event class.
help                Prints a summary of command-line options.
operations          Returns the valid operations for command.
dcecp> audevents cat
dce_audit_admin_modify
dce_audit_admin_query
dce_audit_filter_modify
dce_audit_filter_query
dce_dts_mgt_modify
dce_dts_mgt_query
dce_dts_synch
dce_dts_time_provider
dce_sec_authent
dce_sec_control
dce_sec_modify
dce_sec_query
dce_sec_server
dcecp> audevents show dce_sec_authent
{dce_sec_authent 0x101 0x102 0x103 0x104 0x10c 0x125 0x136 0x138 0x139}
```

Audit Filter

```
dcecp> help audfilter
catalog            Returns the list of filters for an audit daemon.
create             Creates a new filter with specified guides.
delete             Deletes a filter and its associated guides.
modify             Adds or removes one or more guides of a filter.
show               Returns a list of guides in a specified filter.
help               Prints a summary of command-line options.
operations         Returns the valid operations for command.
dcecp> audfilter cat
```

Audtrail

```
dcecp> audtrail help
show                Returns or files the contents of an audit trail file.
help                Prints a summary of command-line options.
operations          Returns the valid operations for command.
```

User

```
dcecp> user help
create          Create a DCE user
delete          Delete a DCE user
show            Show the attributes of a DCE user
help            Print summary of command-line options and abort
operations      Return valid operations for command.
```