More Advanced Features

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Lecture 19

Abbreviations

- auth: authentication, authorization
- com: communication
- dce: distributed computing environment
- dflt: default
- elt: element
- ep: endpoint
- exp: expiration

Abbreviations, continued

- fn: function
- id: identifier
- if: interface
- inq: inquire
- mbr: member
- mgmt: management
- ns: name service

Abbreviations, continued

- protect: protection
- protseq: protocol sequence
- princ: principal
- rpc: remote procedure call
- stats: statistics

Managing UUID

- uuid_create
- uuid_equal

Finding Services

- rpc_ns_binding_import_begin, _next, _done (client)
  - Get a list of binding handles for a particular service
- rpc_ns_binding_select
  - Get one binding

Announcing Services

- rpc_ns_binding_export
  - Export a binding to the name space. (server)
- rpc_ns_binding_unexport
- rpc_server_inq
  - return binding information from the runtime. (server)

RPC Security Client

- rpc_binding_set_auth_info
  - Associates security information with a binding handle. (client)
- rpc_if_register_auth_info
  - Associates security information with an interface. (client)

RPC Security Server

- rpc_binding_inq_auth_client
  - Returns security information associated with a client (server)
- rpc_server_register_auth_info
  - Specifies the security options used by the server. (server)

Object ID Management

- rpc_binding_inq_object
  - Get the UUID of this object
- rpc_object_set_type
  - Set the UUID of an object

End Point Management

- rpc_ep_register
  - Provides server information to the endpoint mapper. (server)
- rpc_ep_unregister

Starting and Stopping a Service

- rpc_server_listen
- rpc_mgmt_stop_server_listening

Finding Protocol Sequences

- rpc_network_inq_protseqs
- rpc_network_is_protseq_valid
- rpc_server_use_all_protseqs
- rpc_server_use_all_protseqs_if
- rpc_server_use_protseq
- rpc_server_use_protseq_ep
- rpc_server_use_protseq_if

Server Group/Profile Management

- rpc_ns_group_mgr_add
- rpc_ns_group_mgr_remove
- rpc_ns_profile_elt_add
- rpc_ns_ profile_elt_remove

Interface Management

- rpc_server_register_if
  - register an interface with the runtime. (server)

ACL Management

- sec_acl_mgr_is_authorized
  - Determines if the specified permissions are available to a principal.

Key Management

- sec_key_mgmt_get_key
- sec_key_mgmt_manage_key
  - periodically changes server key before it expires

Login

- sec_login_get_current_context
- sec_login_set_context
- sec_login_setup_identity
- sec_login_validate_identity