

Control flow for one SASL session

fork(),
pthread_create(),
...

Decide which mechanism to use:
mech = my_chose_mechanism();

Start new authentication process:
gsasl_client_start (ctx, mech, &session);
-OR-
gsasl_server_start (ctx, mech, &session);

Optionally set properties:
gsasl_property_set (session, GSASL_AUTHZID, "joe");

Read token from peer:
readtoken (&in);
-OR-
in = NULL

One step of the authentication:
rc = gsasl_step64 (session, in, &out);

Send token to peer:
sendtoken (out);

Need
another
token?

Authentication
finished?

rc != GSASL_NEEDS_MORE

rc == GSASL_NEEDS_MORE

rc != GSASL_OK

rc == GSASL_OK

Abort
gsasl_finish (session);
printf ("Failure: %s\n", gsasl_strerror (rc));

Finish authentication process:
gsasl_finish (session);

Authenticated protocol exchange...
For example SMTP or IMAP.