

# 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.