draft-josefsson-kitten-crotp-00

- It is an GSS-API/SASL mechanism to do username/password/OTP authentication.
- Based on SCRAM only minor modifications to protocol for sending the OTP to server
- Use-case 1: sites with username/password authentication (CRAM-MD5 or SCRAM) used for IMAP+SMTP that wants to add an OTP factor easily
 - "easily" means (at least) without having to change existing credentials (username/password)

```
;; from RFC 5802
client-final-message-without-proof =
           channel-binding "," nonce [","
           extensions]
;; variant used by CROTP
                       = "o=" sasIname
otp
client-final-message-without-proof =
           channel-binding "," nonce "," otp
           ["," extensions]
```

Examples:

```
o=755224 (OATH HOTP)
o=dteffujedcflcindvdbrblehecuitvjkjevvehjd (YubiKey)
```

Open questions

- How important is confidentiality of the OTP?
 Validation protocols and deployments rarely confidentiality protect OTPs and it "works". TLS?
 GSS_Wrap?
- Could an EAP mechanism be used together with GSS-EAP instead? EAP-GTC "kind of" supports OTP but it works poorly in practice.
- Generally, is there support for working on two-factor authentication in GSS-API/SASL?