POP3 CLIENT FEATURES

NETWORK		IPV4	IPV6	IPV6 – LinkLocal	DNS			
		Y	Y	Y	Y			

PROTOCOLS		POP3	POP3S	STARTTLS				
		Y	Y	Y				

COMMANDS		USER	PASS	APOP	RETR	STAT	LIST	DELE
		Y	Y	Y	Y	Y	Y	Y
		NOOP	CAPA	STARTTLS	AUTH	UIDL	TOP	XTND
		Y	Y	Y	Y	Y	Y	N

AUTH		USER	APOP	PLAIN	LOGIN	CRAM-MD5	DIGEST-MD5	NTLM
		Y	Y	Y	Y	Y	Y	Y

SSL		NON-CA	CA	CLIENT-AUTH				
		Y	Y	N				

ENVIRONMENT	
OS	Open-SUSE 11.4 - 32 bit
PLATFORM	VirtualBox
LANGUAGE	C++
MAKEFILE	gnu-make
COMPILER	g++
DEBUGGER	gdb
SSL	openssl library
AUTHENTICATION	Self written except NTLM and KERBEROS
MD5/HMAC-MD5	Self Written - Referred some part from RFCs
BASE-64 (ENC/DEC)	Self-Written
EDITOR	Vim
POP3-SERVERS	DOVECOT in Linux/ HmailServer for Win Vista 32. Gmail POP3 server used for SSL with CA verification
CERTIFICATES	openssl command line tool
NTLM	Cyrus-sasl library
KERBEROS	MIT Krb5API + Cyrus SASL library

REFERENCES	
RFC 1321	The MD5 Message-Digest Algorithm
RFC 1939	Post Office Protocol - Version 3
RFC 2104	HMAC: Keyed-Hashing for Message Authentication
RFC 2195	IMAP/POP AUTHorize Extension for Simple Challenge/Response
RFC 2202	Test Cases for HMAC-MD5 and HMAC-SHA-1
RFC 2222	Simple Authentication and Security Layer (SASL)
RFC 2245	Anonymous SASL Mechanism
RFC 2449	POP3 Extension Mechanism
RFC 2595	Using TLS with IMAP, POP3 and ACAP
RFC 2831	Using Digest Authentication as a SASL Mechanism
RFC 4616	The PLAIN Simple Authentication and Security Layer (SASL) Mechanism
RFC 5034	Simple Authentication and Security Layer (SASL) Authentication Mechanism
Base64	http://en.wikipedia.org/wiki/Base64
CYRUS-SASL	http://www.sendmail.org/~ca/email/cyrus2/programming.html
SMTP Authentication	http://www.fehcom.de/qmail/smtpauth.html