**Authentication Protocol**

*(communication protocol /cryptographic protocol)*

Types -

* Authentication protocols developed for Point-to-point protocol(PPP).
  + PAP- Password Authentication protocol.
  + CHAP - Challenge-handshake authentication protocol.
  + EAP - Extensible authentication protocol.

Network authentication protocol-

* LDAP -
  + Lightweight Directory Access Protocol.
  + IT is a Lightweight client-server protocol for accessing directory services.
  + LDAP runs over TCP/IP or other connection oriented transfer services.
  + LDAP is a software protocol for enabling organizations,individuals,and other resources such as files devices in a network, whether on the public Internet or on a corporate internet.
* Kerberos -
  + Kerberos is a network authentication protocol.
  + It is designed to provide strong authentication for client/server applications by using secret-key cryptography.

* Oauth -
  + OAuth2 is an authentication framework that enables applications to obtain limited access to user accounts on HTTP services, such as Facebook,GitHub & DigitalOcean.
* SAML -
  + Security Assertion Markup Language(SAML) is an XML-based, open standard data format for exchanging authentication and authorization data between parties, in particular, between an identity provider and a service provider.

* RADIUS -
  + Remote Authentication Dial-In User Service(RADIUS) is a networking protocol that provides centralized authentication,authorization and accounting(AAA) management for users who connect and use a network service.