## LDAPConnector

- host: String
- port: int
- auth_user: String
- auth_password: String
- ctx: DirContext

+ setHost(host: String) : void
+ printSearchResult(namin...
+ search(inBase: String, in...
+ updateAttribute(inDN: St...
+ main(args: String[]) : void
+ LDAPConnector(host: Stri...

## Service1

- keyPair: KeyPair
- pubKey: PublicKey
- privKey: PrivateKey
- ldapHost: String
- secretKey: Key
- toSendMessage: String
- newField: int

+ setToSendMessage(toSe...
+ setLdapHost(ldapHost: St...
+ genKeyPair() : void
+ storePubKeyinLDAP() : void
+ decryptSecretKey(secret...
+ encryptMessage() : byte[]
+ newMethod() : void

## UsedUtils

+ toHexString(array: byte[]) : String
+ toByteArray(s: String) : byte[]
+ readFromSocket(socket: Socket)...
+ getPublicKey(attrs: Attributes) : ...
+ writeToSocket(socket: Socket, t...

## Ldap_Client

- secretKey: SecretKey
- pubKey: PublicKey
- ldapHost: String

+ getPublicKeyFromLdap() ...
+ setLdapHost(ldapHost: St...
+ generateSecretKey() : void
+ encryptSecret() : byte[]
+ decryptMessage(messag...

## Controller

- serverOrClient: char
- message: String
- port: int
- ldapHost: String
- newField: int

+ doMain(args: String[]) : void
+ main(args: String[]) : void