Name : Sanjay Ram . G

Subject : Computer Networks

Title: securing RDP protocol using RSA

ABSTRACT

The main objective of this project is to create a remote desktop app using java language which implements the RDP protocol. We are also going to secure this protocol using RSA encryption. Using this project, we are able to share files and access another laptop remotely.

RDP allows client to interconnect with server. With this protocol, we will be able to run applications on the server from the remote client. RDP is a client/server software package permitting remote network admittance with graphical interface. This software allows us to control the remote server desktop using client’s mouse and keyboard.

RSA is an asymmetric cryptography algorithm. Asymmetric actually means that it works on two different keys – Public key and Private key. Public key is kept private and Private key is kept private.

1. Client sends it public key and requests for some data.

2. Server encrypts the data using clients public key and sends the data.

3. Client receives the data and decrypts it.

Keywords :

RDP protocol

RSA encryption

Client – Server

Java-AWT