SLIP and PPP	
	Gursharan Singh Tatla mailme@gursharansingh.in www.eazynotes.com
1 www.eazynotes.com	27-Mar-2011



















27-Mar-2011









• Step 2: The system checks the validity of username
and password, and either accepts or rejects the
connection

```
www.eazynotes.com
```

27-Mar-2011

27-Mar-2011

Challenge Handshake Authentication Protocol (CHAP)

- It provides more security than PAP.
- In this method, password is kept secret.
- It is a three way authentication protocol:
 - Step 1: System sends a challenge packet to the user. It contains a value, usually a few bytes.
 - Step 2: Using a predefined function, a user combines this challenge value with the user password and sends the resultant packet back to the system.
 - Step 3: System then applies the same function to the password of the user & challenge value, and creates a result. If the result is same as the result sent in the response packet, access is granted, otherwise, it is denied.

www.eazynotes.com

Network Control Protocol (NCP)

- After establishing the link & authenticating the user, PPP connects to the network layer.
- This connection is established by NCP.
- Therefore, NCP is a set of control protocols that allow the encapsulation of the data coming from the network layer.
- After the network layer configuration is done by one of the NCP, the user can exchange data from the network layer.

20 www.eazynotes.com

27-Mar-2011



