
Securing User IDs and Passwords

- Several encryption services, called **authentication protocols**, transmit, store, and handle passwords safely.
- These include TACACS+ (Terminal Access Controller Access System), RADIUS (Remote Access Dial-In User Service), Kerberos, PAP (Password Authentication Protocol), SPAP (Shiva Password Authentication Protocol), CHAP (Challenge Handshake Authentication Protocol), and MS-CHAP (Microsoft CHAP),
- Of these, **CHAP** and **Kerberos** are the more popular protocols or methods.



Challenge Handshake Authentication Protocol Chap Pdf Download ->->->-> <http://bit.ly/2ApW1rh>

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CHAP is an authentication scheme used by Point to Point Protocol (PPP) servers to validate the identity of remote clients Home Skip to content Skip to footer We recommend you subscribe to the RSS feed to receive update notifications In this example, it looks for: `username 3640-1 password pc1` The password is fed into the MD5 hash generator The `callin` option specifies that the router refuses to answer CHAP authentication challenges received from the peer, but still requires the peer to answer any CHAP challenges that the router sends Although the authentication is only one-way, you can negotiate CHAP in both directions, with the help of the same secret set for mutual authentication

In the Cisco CHAP implementation, by default, the called party must authenticate the calling party (unless authentication is completely turned off) Thus, CHAP provides better security as compared to Password Authentication Protocol (PAP) which is vulnerable for both these reasons Configure CHAP The procedure to configure CHAP is fairly straightforward Wikibooks has a book on the topic of: Network Plus Certification/Security/User Authentication Verify CHAP This section provides tips on how to verify your configuration 2005 Ability to troubleshoot when the Link Control Protocol (LCP) phase is not in the open state However, the calling party can also verify the identity of the called party, and this results in a two-way authentication

Preview Versions Response (continued) Figure 5 The CHAP Response Packet Sent to the Authenticator is Built This site uses cookies for analytics, personalized content and ads Trademarks This notice does not grant any licenses under those rights ^ Forouzan (2007) No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred Response Figure 4 Receipt and MD5 Processing of the Challenge Packet from the Peer Figure 4 illustrates the how the challenge packet is received from the peer, and processed (MD5) `ppp chap hostname username` This command defines an interface-specific CHAP hostname One-way authentication is often required when you connect to non-Cisco devices ae94280627

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