網際網路電話系統

期中考重點整理

1. What does "carrier grade" mean for VoIP services?
2. To achieve the requirement of "carrier grade", what challenges will VoIP face?
3. Elaborate on the requirements for voice traffic vs. data traffic in terms of delay, jitter and packet loss
4. Why is voice carried over UDP, not TCP?
5. Describe the functions provided by RTP and RTCP?
6. describe the functions of SIP network entities: UAC, UAS, Proxy Server, Redirect Server, Registrar.
7. SIP Messages
   - Describe the functions of the following SIP headers: To, From, Contact, Via, CSeq, Expires, Retry-After, Record-Route and Route.
   - What is the difference between Request-URI and From, To headers in SIP REGISTER?
8. Compare between the stateful and stateless proxies
9. SIP Extensions and Enhancements