

SIP overview

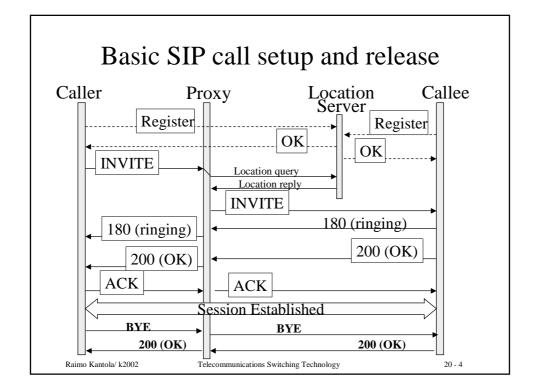
- Simplicity
 - Ascii based simple tools for development
 - Lower call setup time than in H.323
 - basic protocol + extensions structure adopted
- Caller preferences, Ability to support many media types
- Runs over UDP or TCP (or SCTP)
- Used between both services and call control entities
- Has been adopted as the basis for 3G.IP signalling
- Originally subscriber signaling, proposed also as network to network signaling
- Quality of Specification is not very good! Leaves a lot of decisions to the implementor
 - A lot of development during the last year!

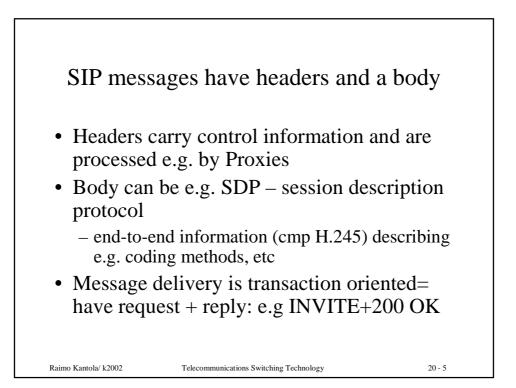
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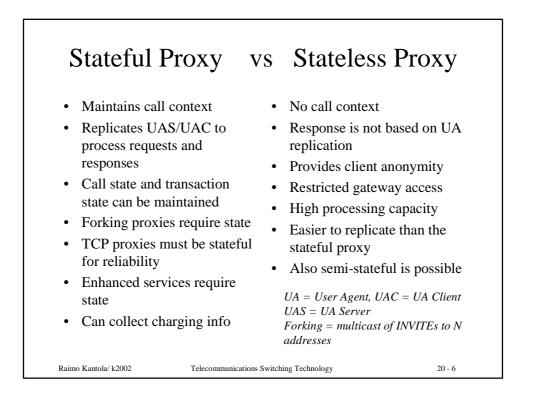
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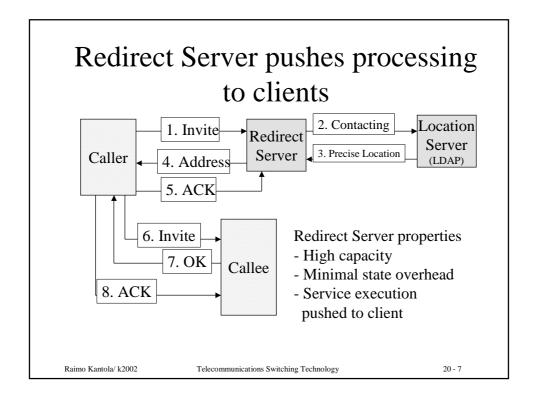
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Some SIP issues	
 Parties can release the "call session" but since they have obtained each others IP-addresses, they can continue sending media streams to each other!! How to push INVITE to B-party, if B-party does not have a permanent IP address which is most often the case! 	Integration of Proxy with Firewall and NAT
• Response messages (e.g. 180) are not reliably delivered. This may cause tear down of the call if it was initiated from ISDN	PRACK method
• If BYE is lost, Proxy does not know that call has ended	KeepAlive = re-INVITE mechanism
• Ascii coding increases the signaling overhead in Radio access	
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