















Internet Architecture

A U.S. back

A E

Leased lines

(T)















































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> Replay attacks are prevented by (timestamp or nonce)



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Binding Update and Binding Acknowledgement						
	8 bits	8 bits	8 bits	8 bits		_
	Payload Proto	Header Length	МН Туре		Reserved	
вU		Sequence No		1		
	AHLKF	Reserved	Lifetime			
Home Agent Security association required for every move ACK Expected Link-local address is same as that in home address						
	8 bits	8 bits	8 bits		8 bits	
	Next header Header Length Checksum		МН Туре			
BA			Status	к	Reserved	
	Sequence No		Lifetime			
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Mobility using Session Initiation Protocol (SIP)

- A Signaling Protocol
- Originally used for negotiating media sessions between end systems
- · Media may go through different networks
- Other uses: Conferencing, VoIP, Instant Messaging etc.
- Elements (SIP user agent, Servers, and Gateways)
- Addressing (URLs) e.g. name@domain and supports both Internet and PSTN address

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