Whatsapp Cellular / No Cellular :STUN :Server/Relay :Caller :Callee 157.240.223.61 (Fra, Dus, Ber, Ham, Muc) edgeray.facebook.com chat.cdn.whatsapp.net startCall callConversationPartner Accept -STUN-Unclear what other end does... -callInfoExchange-TUDP (unknow) In Case of Cellular Idle: Only WiFi Connection STUN (every ~1s) only active Conn / Interface is probed STUN Allocation Requests (every 60s)--STUN (local)-—Data Exchange-WiFi AP start to switch. System must inform Whatsapp. From Laptop to shared Switch-over before WiFi is WiFi switched - Keep sending from old address for short time (only WiFi)-------STUN Allocation, either WiFi or Cellular-----STUN Success------Data Exchange--Using relay-Switching, sending to relay— Connection to new AP ----- STUN repeatedly fails ---call Exchange?-Important: We never find the direct route again. Stun simply fails WiFi AP is switched. From shared WiFi to Laptop WiFi Side Note: We switched from using Fra to Muc STUN-----STUN (success)------Continued Data Exchange--Data Exchange (Relayed)-----endCall-----