Media Injection

- Vulnerability
  - Media channel is unauthenticated and unencrypted
- Attack:
  - Inject new media into an active media channel
  - Replace media in an active media channel
- Effect:
  - Modification of media
  - Replacement of media
  - Deletion of media

Media Injection Example

- Real-Time Transfer Protocol
- Normally UDP Transport
- Sniff a legitimate RTP session
- Adjust packets to be injected's sequence numbers so that they will arrive "before" legitimate packet
- Send away!

Media Injection

- Tools
  - RTPInsertSound
    - http://www.hackingvoip.com/tools/rtpinsertsound_v2.0.tar.gz
  - RTPMixSound
    - http://www.hackingvoip.com/tools/rtpmixsound_v2.0.tar.gz
- Mitigation
  - Authenticate media packets
  - Encrypt the media channel