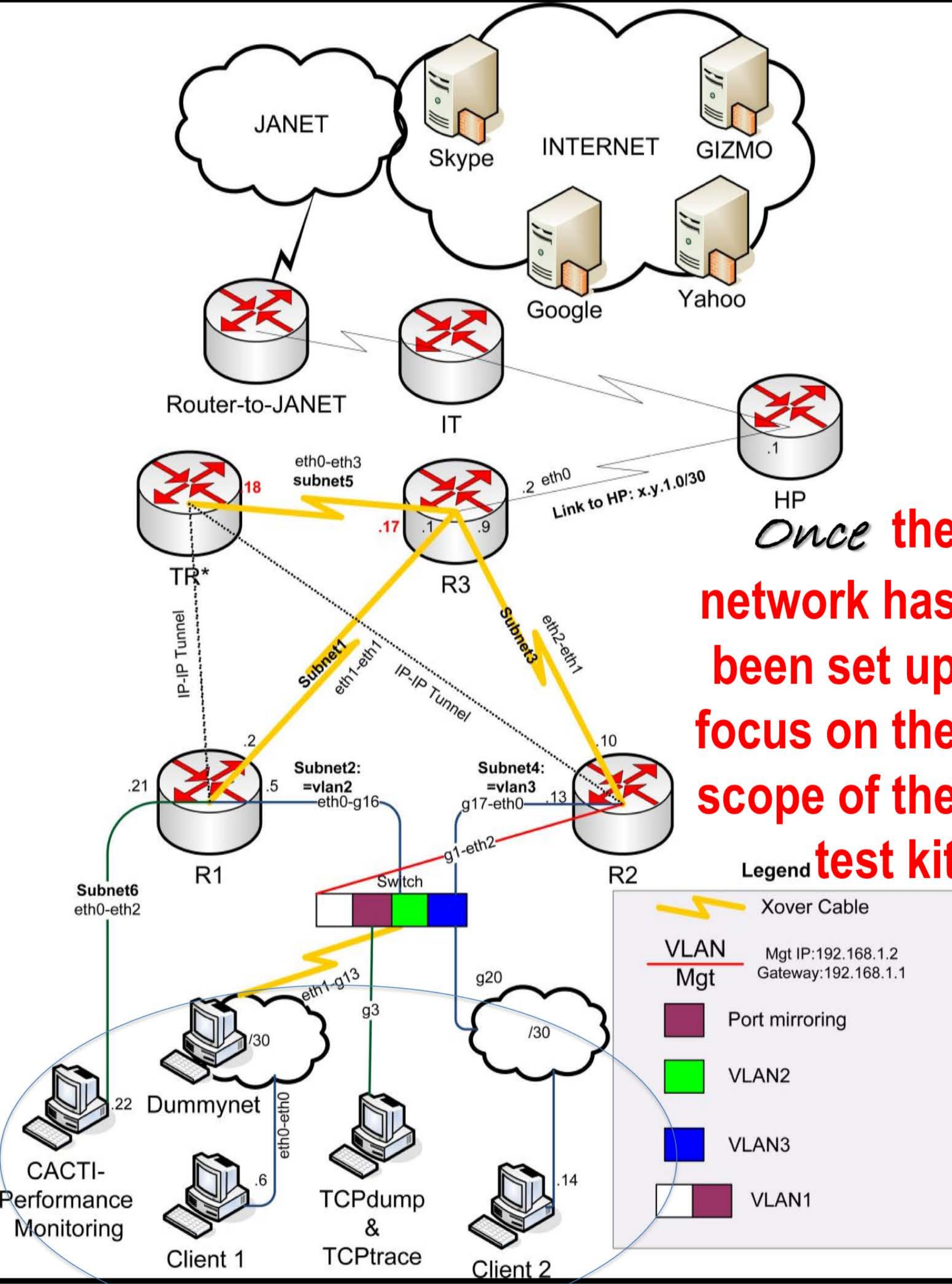




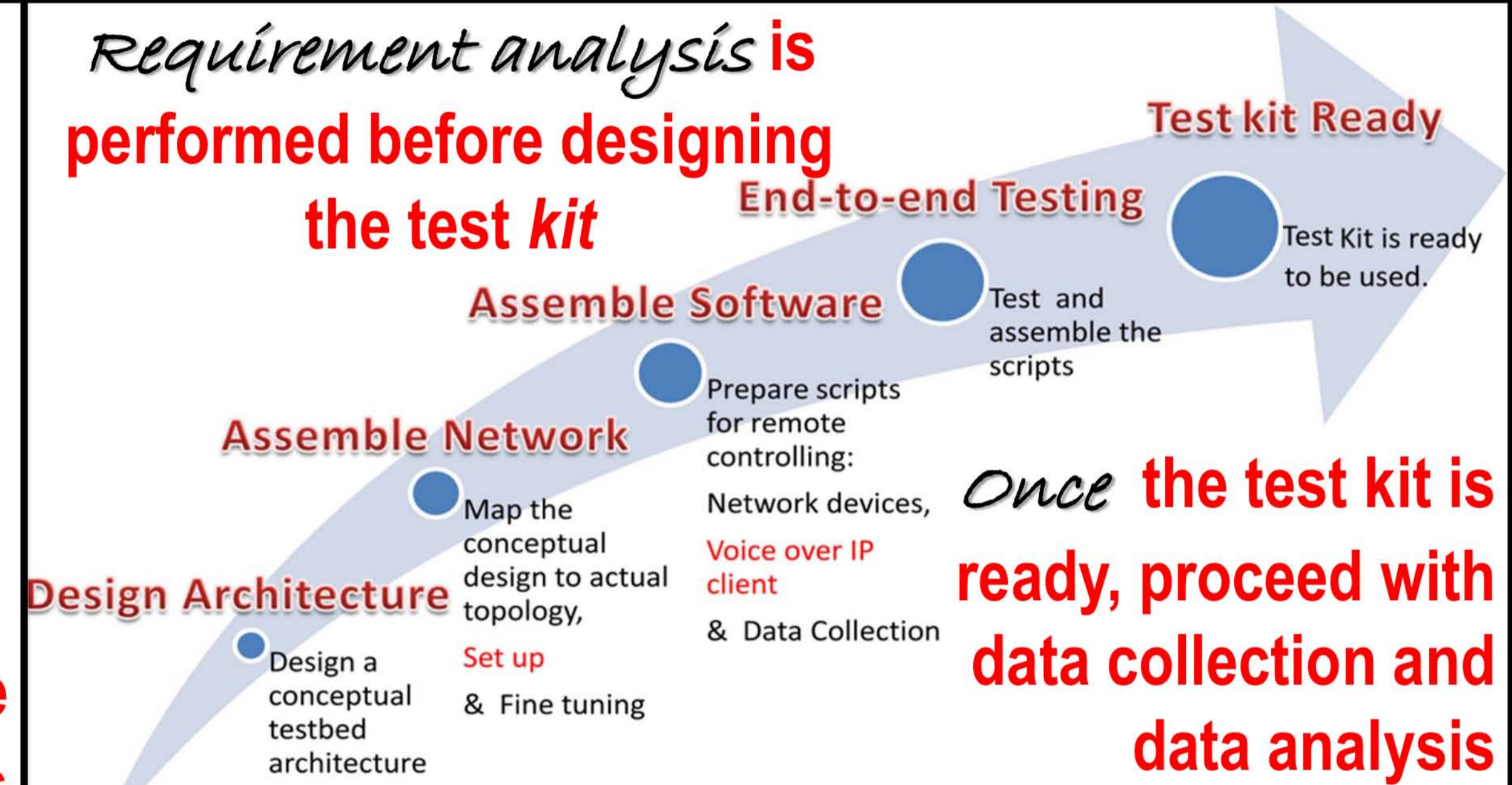
A RECIPE FOR AN AUTOMATED VOIP TEST KIT

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EXPERIMENTAL NETWORK



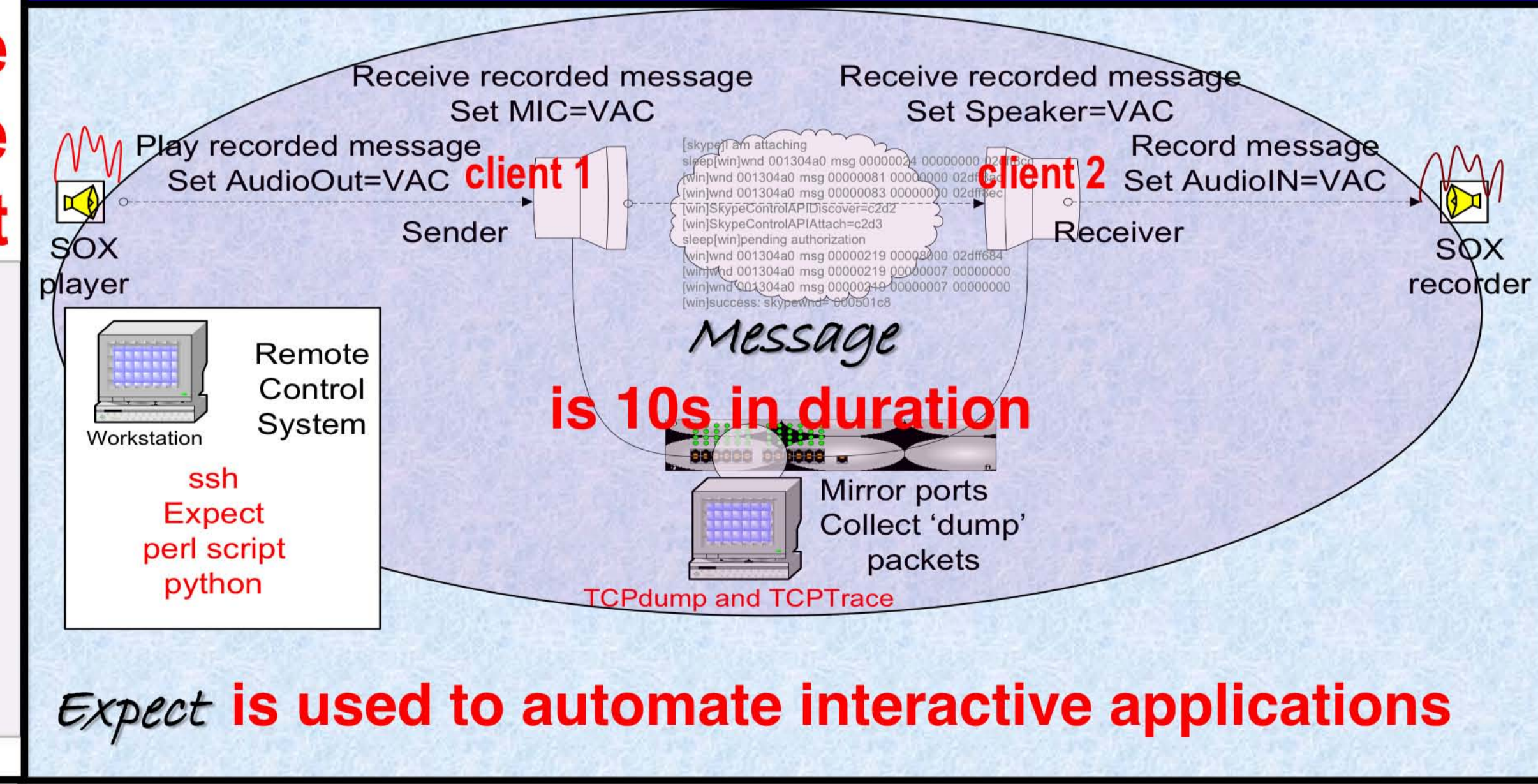
METHOD



SCRIPTS

- Expect**
 - automate interactive applications (such as ssh, telnet, ftp, passwd, fsck, rlogin, etc)
- Libraries**
 - SkypeAPI for skype,
 - Pyjingle for GoogleTalk,
 - IM client for Yahoo Messenger and Pjsua for SIP based application
- DummyNet / IPFW**
 - control bandwidth,
 - control jitter
 - control packet loss in a lab environment
- Scripts**
 - support command line interface
 - Remote control

SCOPE



- Legend**
 - DummyNet
 - Expect
 - IPFW
 - SOX
 - SSH
 - VAC
 - VLAN
 - VoIP
- Packet Interceptor
- Software to automate interactive applications
- IP Firewall
- SOund eXchange
- Secure SHell, a powerful software-based approach to network security
- Virtual Audio Cable
- Virtual Local Area Network
- Voice over IP protocol

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