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VoIP Penetration Testing: Lessons Learned, Tools and Techniques

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Why?

- Low Awareness as to Security Threats to VoIP
- Publicly Accessible IP Phones
  - Waiting Areas
  - Conference Rooms
  - Hotel Rooms
- How easily can an Attacker Gain Privileged Access?

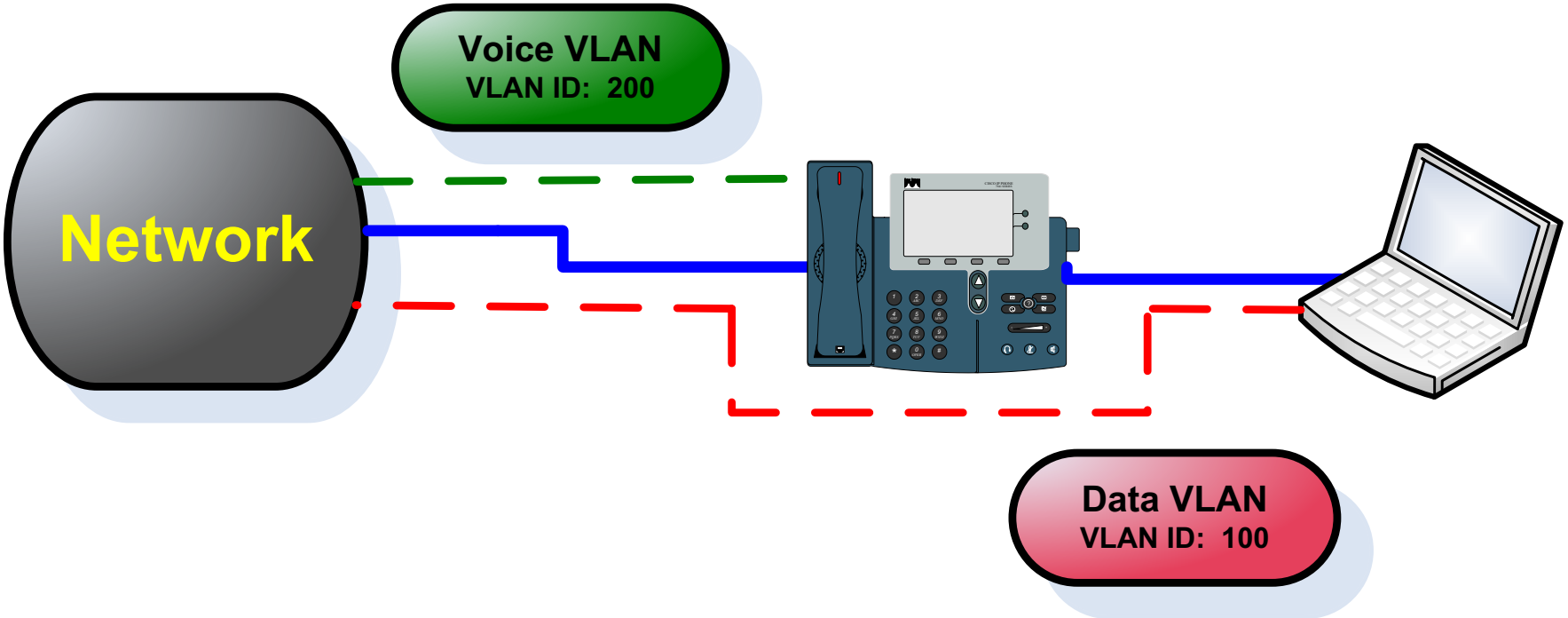
Voice VLAN

Legend

Ethernet Cable

Data Traffic

Voice Traffic



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Live Demonstration

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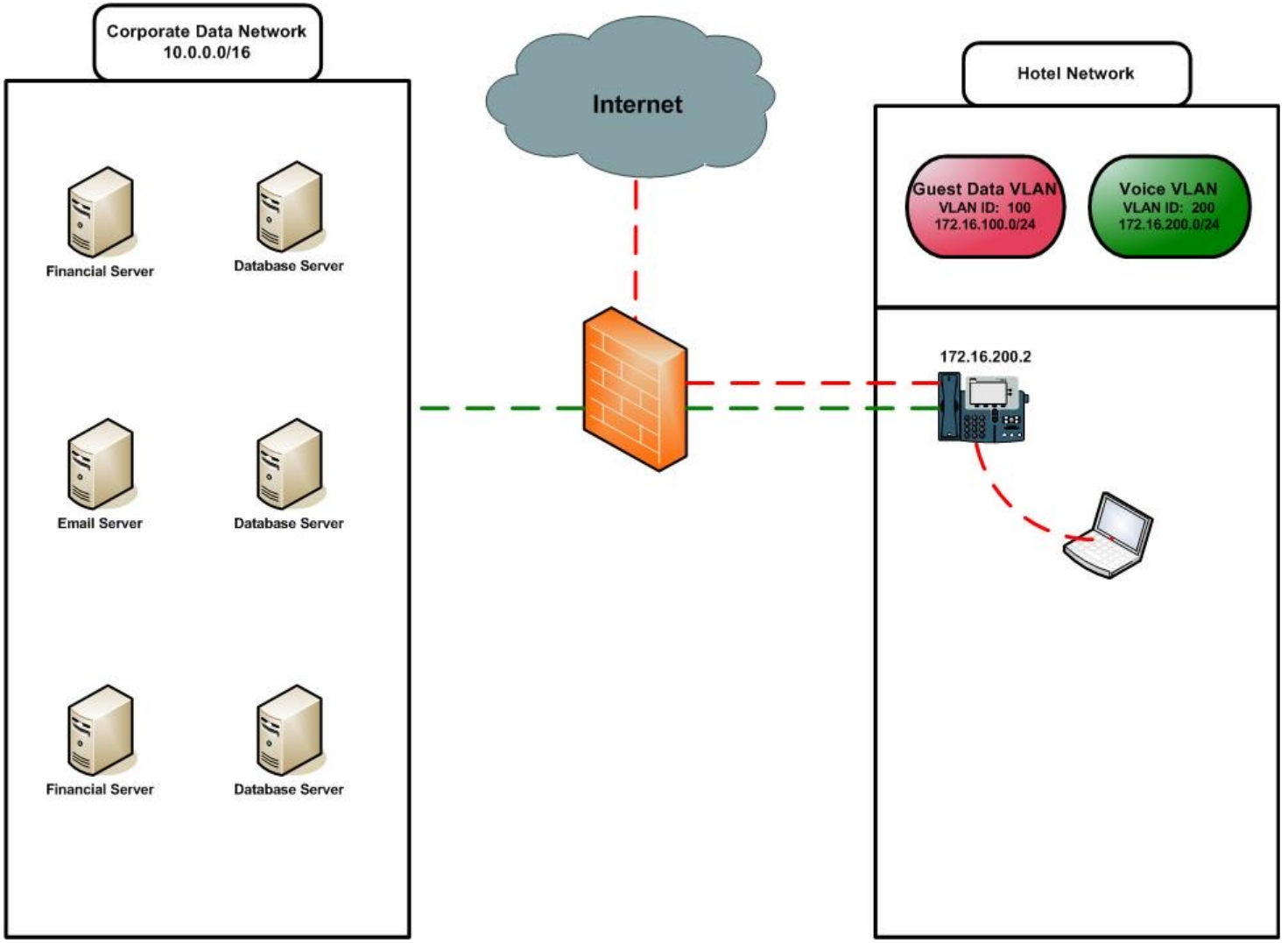
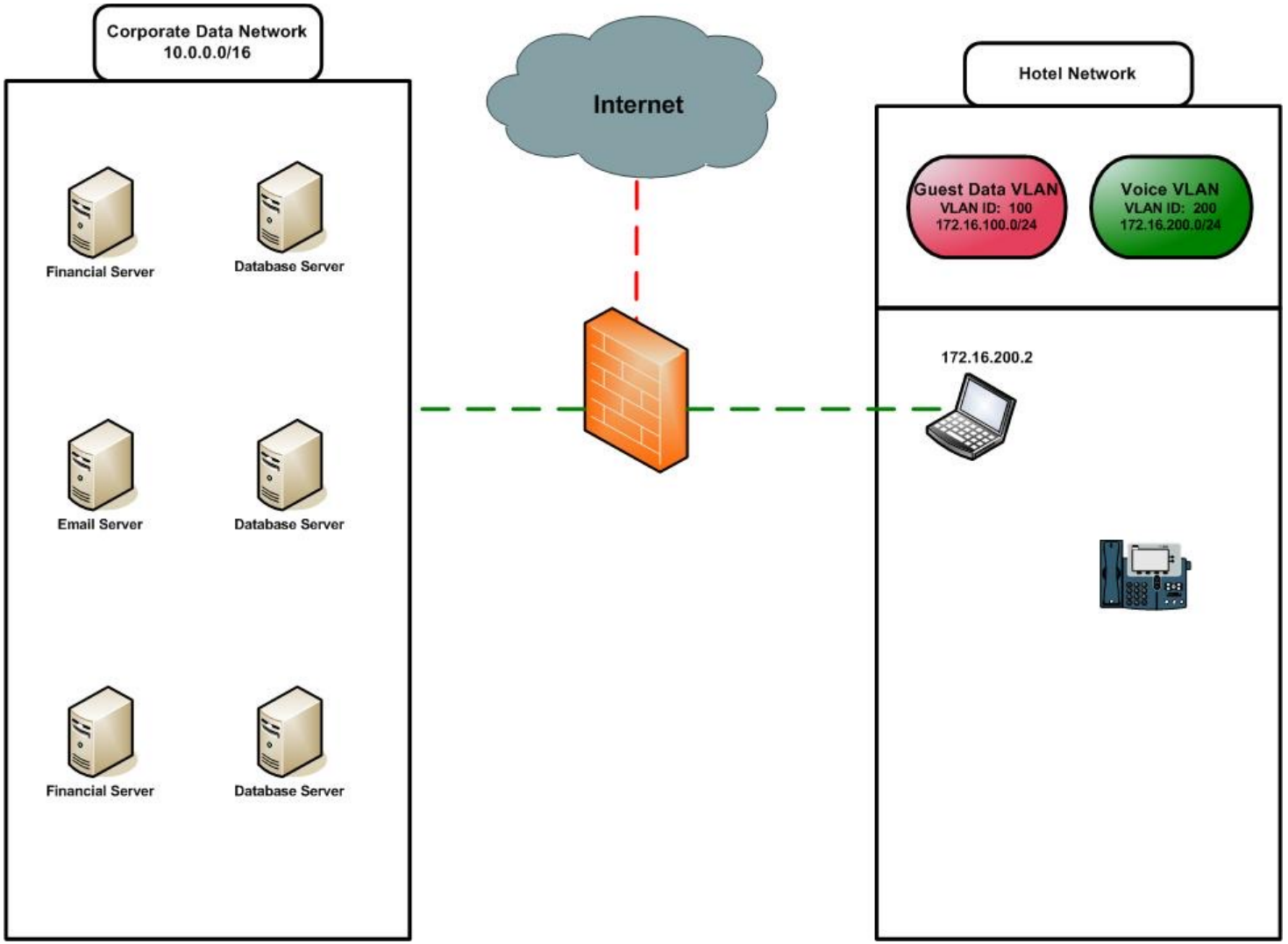
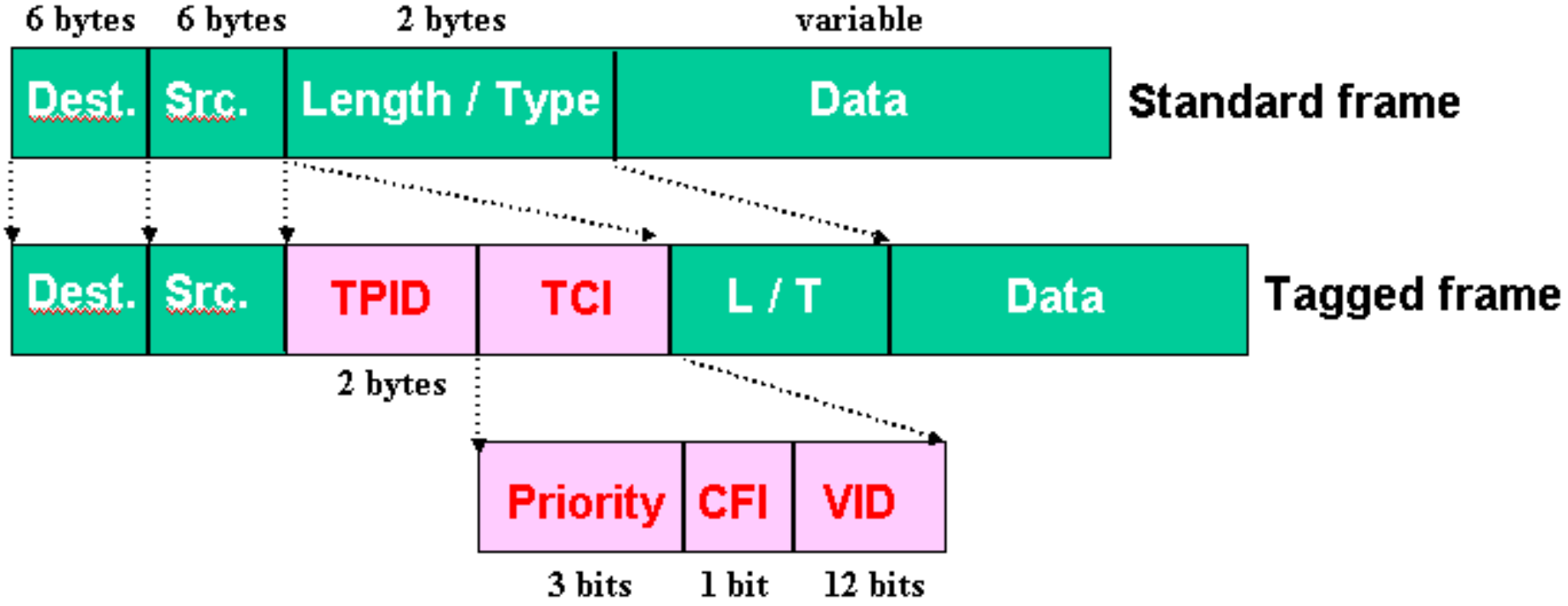
Customer VoIP Network



How this happens



Create a new VLAN Interface on the PC



VoIP Hopper:
Jumping from one VLAN to the Next!

A look at automating the collection of small information tokens and VLAN Hopping that can allow exploitation of VoIP Networks.

VoIP Hopper Information

- Project Download – http://voiphopper.sourceforge.net
- Security Focus Article
- http://www.securityfocus.com/infocus/1892

Q&A

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