



Mapping a Network

Purpose

Process

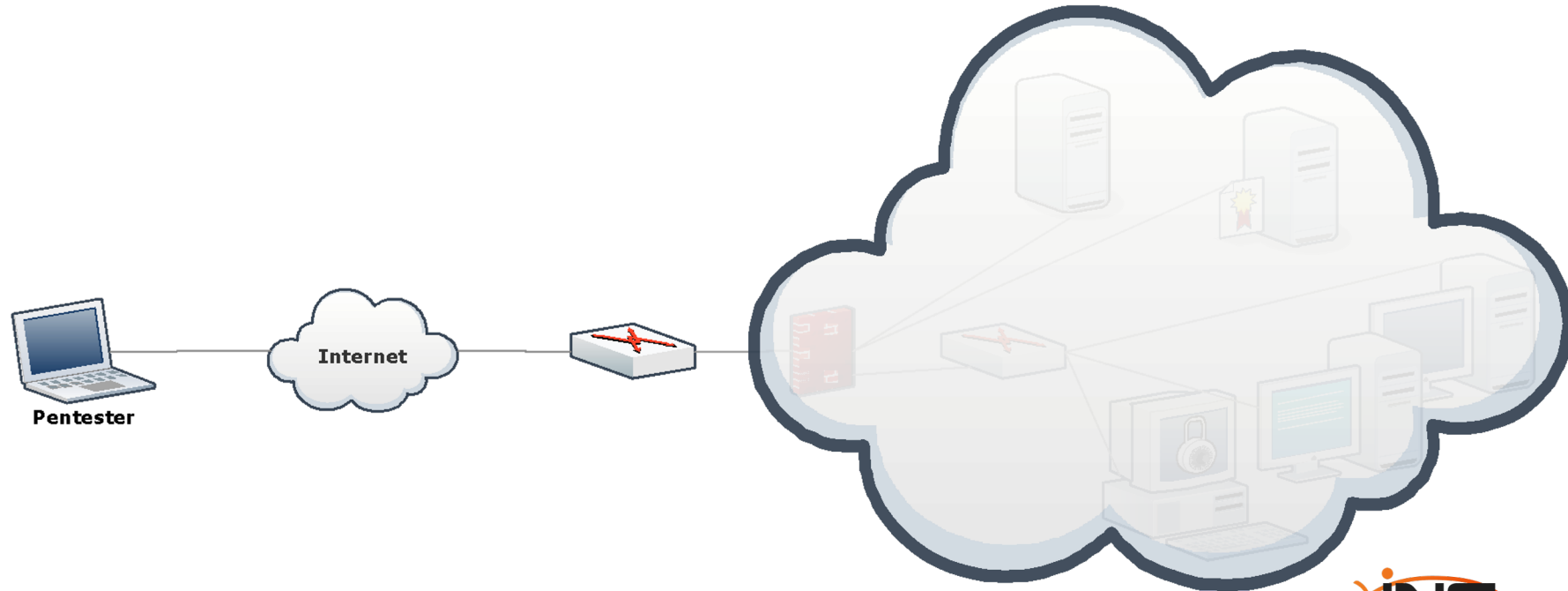
Tools

Mapping a Network

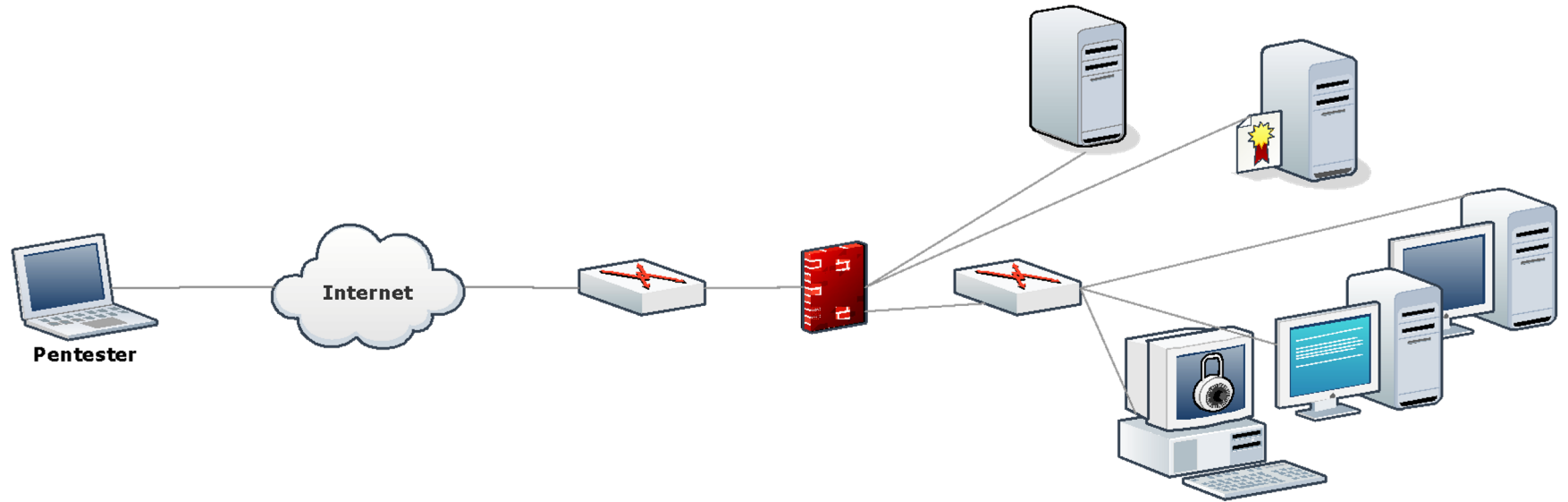
Purpose

- + Scope
- + Discovery

Purpose



Purpose



Process

- + Physical Access
- + Sniffing
- + ARP
- + ICMP

Physical Access

- + Physical Security
- + OSINT
- + Social Engineering

Sniffing

- + Passive Reconnaissance
- + Watch network traffic

ARP

- + Address Resolution Protocol (RFC 826)
 - + Resolve IP to MAC

ARP

Who has 10.10.1.5? Tell 10.10.1.7

10.10.1.5 is at 00:0c:29:af:ea:d2

ARP Table

ICMP

- + Internet Control Message Protocol (RFC 792)
- + Traceroute
- + Ping

PING

Type 8 - echo request



Tools

- + WIRESHARK
- + ARP-SCAN
- + PING
- + FPING
- + NMAP
- + ZENMAP



WIRESHARK

ARP-SCAN



PING



FPING



NMAP



ZENMAP