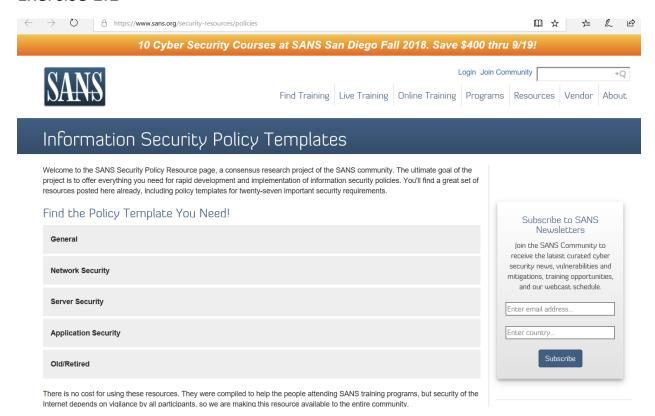
Exercise 1.1



Find the Policy Template You Need!

General

Network Security

- Acquisition Assessment Policy
- · Bluetooth Baseline Requirements Policy
- Remote Access Policy
- · Remote Access Tools Policy
- · Router and Switch Security Policy
- · Wireless Communication Policy
- · Wireless Communication Standard

Server Security

Application Security

Old/Retired

There is no cost for using these resources. They were compiled to help the people attending SANS training programs, but security of the Internet depends on vigilance by all participants, so we are making this resource available to the entire community.

Over the years a frequent request of SANS attendees has been for consensus policies, or at least security policy templates, that they can use to get their security programs updated to reflect 21st century requirements. While SANS has provided some policy resources for several years, we felt we could do more if we could get the community to work together. This page provides a vastly improved collection of policies and policy templates.

This page will continue to be a work in-progress and the policy templates will be living documents. We hope all of you who are SANS attendees will be willing and able to point out any problems in the models we post by emailing us at policies@sans.org. We also hope

Acquisition Assessment Policy

Defines responsibilities regarding corporate acquisitions, and defines the minimum requirements of an acquisition assessment to be completed by the Infosec Team.

Download Policy Template

- PDF
- DOC

Bluetooth Baseline Requirements Policy

Defines the minimum baseline standard for connecting Bluetooth enabled devices to the enterprise network or company owned devices. The intent of the minimum standard is to ensure sufficient protection Personally Identifiable Information (PII) and confidential company information.

Download Policy Template

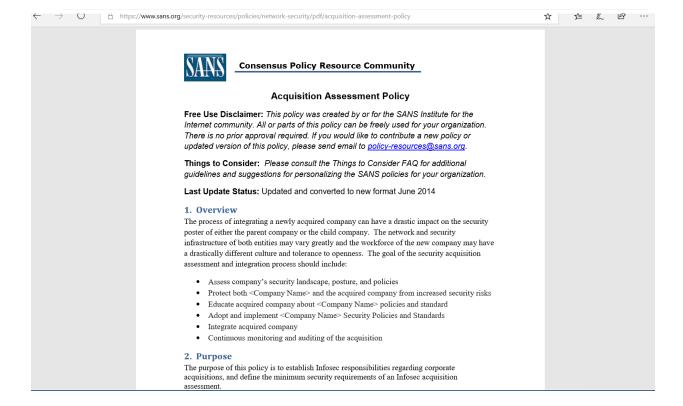
- PDF
- DOC

Remote Access Policy

Defines standards for connecting to the organization's network from any host or network external to the organization.

Download Policy Template

- PDF
- DOC



Old/Retired

- · Analog/ISDN Line Security Policy
- Anti-Virus Guidelines
- Server Audit Policy
- · Automatically Forwarded Email Policy
- · Communications Equipment Policy
- Dial In Access Policy
- Extranet Policy
- · Internet DMZ Equipment Policy
- · Internet Usage Policy
- · Mobile Device Encryption Policy
- · Personal Communication Devices and Voicemail Policy
- · Removable Media Policy
- · Risk Assessment Policy
- · Server Malware Protection Policy
- Social Engineering Awareness Policy
- DMZ Lab Security Policy
- Email Retention Policy
- · Employee Internet Use Monitoring and Filtering Policy
- · Lab Anti Virus Policy
- Mobile Employee Endpoint Responsibility Policy
- Remote Access Mobile Computing Storage
- Virtual Private Network Policy

There is no cost for using these resources. They were compiled to help the people attending SANS training programs, but security of the Internet depends on vigilance by all participants, so we are making this resource available to the entire community.

Risk Assessment Policy

Defines the requirement that the Infosec Team has the authority to perform periodic information security risk assessments (RAs) for purpose of determining areas of vulnerability, and to initiate appropriate remediation.

Download Policy Template

- PDF
- DOC

Server Malware Protection Policy

Defines the requirements for which server systems are required to have anti-virus and/or anti-spyware applications.

Download Policy Template

- PDF
- DOC

Social Engineering Awareness Policy

Defines guidelines to provide awareness around the threat of social engineering and defines procedures when dealing with social engineering threats. Relevant content was added to the Acceptable Use Policy.

Download Policy Template

- PDF
- DOC



Consensus Policy Resource Community

Risk Assessment Policy

Free Use Disclaimer: This policy was created by or for the SANS Institute for the Internet community. All or parts of this policy can be freely used for your organization. There is no prior approval required. If you would like to contribute a new policy or updated version of this policy, please send email to policy-resources@sans.org.

Things to Consider: Please consult the Things to Consider FAQ for additional guidelines and suggestions for personalizing the SANS policies for your organization.

Last Update Status: Retired

1. Overview

See Purpose

2. Purpose

To empower Infosec to perform periodic information security risk assessments (RAs) for the purpose of determining areas of vulnerability, and to initiate appropriate remediation.

3. Scope

Risk assessments can be conducted on any entity within <Company Name> or any outside entity that has signed a *Third Party Agreement* with <Company Name>. RAs can be conducted on any information system, to include applications, servers, and networks, and any process or procedure by which these systems are administered and/or maintained.

4. Policy

The execution, development and implementation of remediation programs is the joint responsibility of Infosec and the department responsible for the system area being assessed. Employees are expected to cooperate fully with any RA being conducted on systems for which they are held accountable. Employees are further expected to work with the Infosec Risk Assessment Team in the development of a remediation plan.

Find the Policy Template You Need!

General

- · Acceptable Encryption Policy
- Acceptable Use Policy
- · Clean Desk Policy
- Data Breach Response Policy
- Disaster Recovery Plan Policy
- <u>Digital Signature Acceptance Policy</u>
- Email Policy
- Ethics Policy
- Pandemic Response Planning Policy
- Password Construction Guidelines
- Password Protection Policy
- · Security Response Plan Policy
- End User Encryption Key Protection Policy

Network Security	
Server Security	
Application Security	
Old/Retired	

Ethics Policy

Defines the guidelines and expectations of individuals within the company to demonstrate fair business practices and encourage a culture of openness and trust.

Download Policy Template

- PDF
- DOC

Pandemic Response Planning Policy

Defines the requirements for planning, preparation and performing exercises for pandemic disease outbreak over and above the normal business continuity and disaster recovery planning process.

Download Policy Template

- PDF
- DOC

Password Construction Guidelines

Defines the guidelines and best practices for the creation of strong passwords.

Download Policy Template

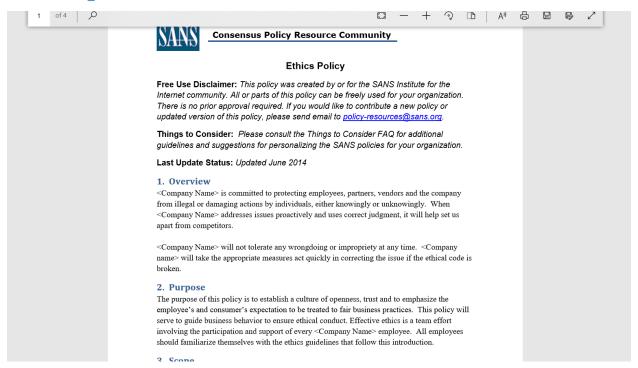
- PDF
- DOC

Password Protection Policy

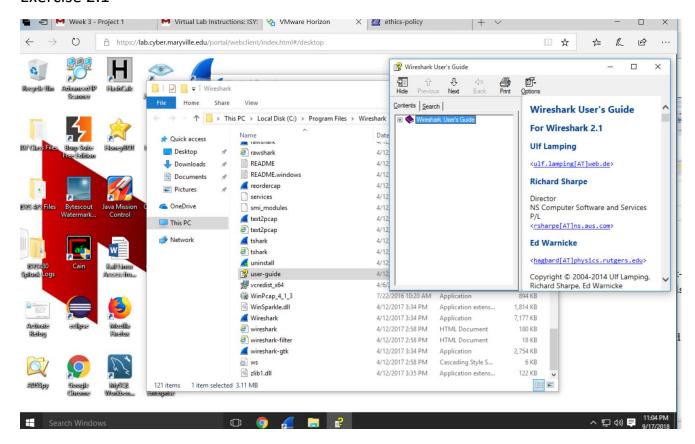
Defines the standard for the creation of strong passwords, the protection of those passwords, and the frequency of change.

Download Policy Template

- PDF
- DOC



Exercise 2.1



imap.cap (iippcap) A Short liviAP Session using mutt against an MSA Server.

RawPacketIPv6Tunnel-UK6x.cap (libpcap) - Some IPv6 packets captured from the 'sit1' interface on Linux. The IPv6 packets are carried over the UK's UK6x network, but what makes this special, is the fact that it has a Link-Layer type of "Raw packet data" - which is something that you don't see everyday.

iseries.cap (IBM iSeries communications trace) FTP and Telnet traffic between two AS/400 LPARS.

FTPv6-1.cap (Microsoft Network Monitor) FTP packets (IPv6)

FTPv6-2.cap (Microsoft Network Monitor) Some more FTP packets (IPv6)

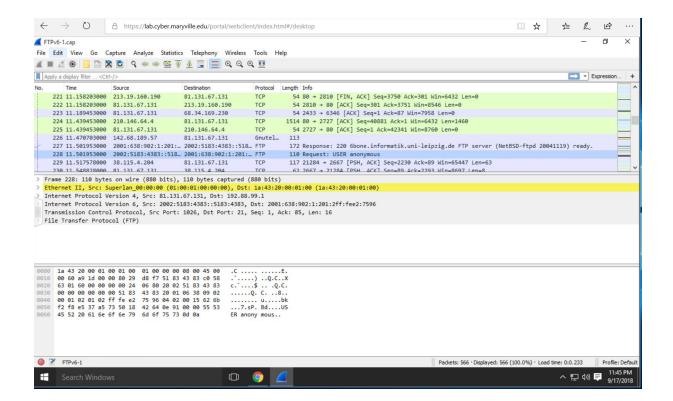
gearman.cap Gearman Protocol packets

isl-2-dot1q.cap (libpcap) A trace including both ISL and 802.1q-tagged Ethernet frames. Frames 1 through 381 represent traffic encapsulated using Cisco's ISL, frames 382-745 show traffic sent by the same switch after it had been reconfigured to support 802.1Q trunking.

kafka-testcases-v4.tar.gz (libpcap) Apache Kafka dissector testcases (generated with this scripts).

lacp1.pcap.gz (libpcap) Link Aggregation Control Protocol (LACP, IEEE 802.3ad) traffic.

linx-setup-pingpong-shutdown.pcap (libpcap) Successive setup of LINX on two hosts, exchange of packets and shutdown.



Exercise 2.2

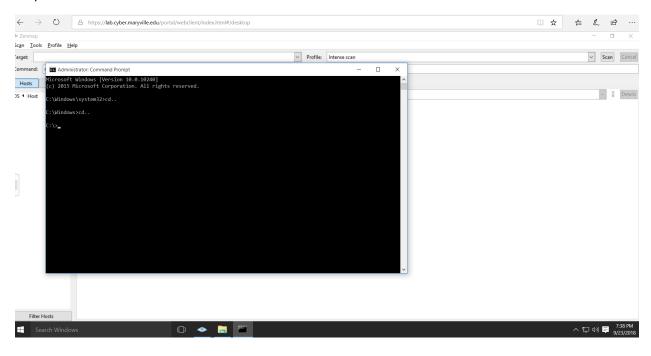
Layer	Layer Responsibility	Protocols, Ports, or Services	Potential Attacks
Application	Communication	SNMP, Telnet, DNS, SSH, SMTP	Password Attacks through Telnet or FTP
Host-to-host	Connection and connectionless communication	TCP and UDP	Session hijacking, connectionless, scanning communication
Internet	Deliver, and route data; detect errors	IP and ICMP	Routing attacks, man- in-the-middle attacks
Network access	Physical layer delivery	ARP	Spoof MAC address

Exercise 3.1

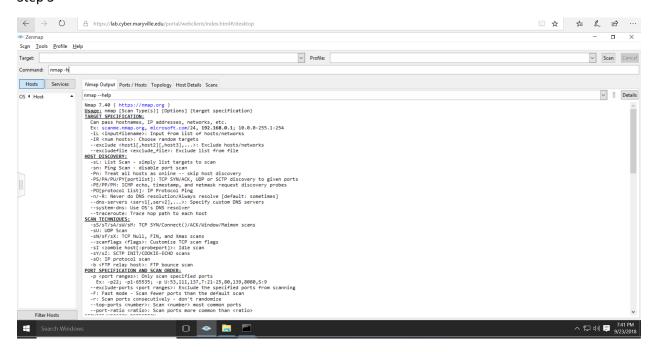
Domain Name	IP Address	Location	Contact Person	Address and Pone Number
Redriff.com	162.251.87.184	Panama City	Whois Foundation	Ramon Arias Avenue, Ropardi BBuilding, Office 3-C PO Box 0823-03015 (507)=836-5679
Examcram.com	159.182.72.15	New Jersey	Pearson Education, Inc.	200 Old Tappan Road Old Tappan, NJ. 07675 (201)-767-5000
Rackspace.com	72.3.246.59	Texas	Chris Hansell	1 Fanatical Place Windcrest, Texas, 78218 (210)-312-4000 Hostmaster@rackspace.com
Rutgers.edu	192.230.123.124	New Jersey	Office of Information Technology Telecommunications Division	96 Davidson Road Piscataway, NJ 08854 (848)-445-7541 netmanager@rutgers.edu

Exercise 3.2

Step 2



Step 3



Steps 4-7

NMap commands

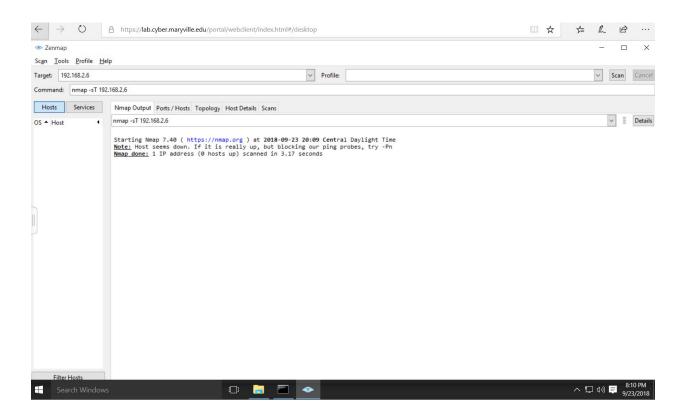
Full connect Scan: sT

Stealth Scan: sS

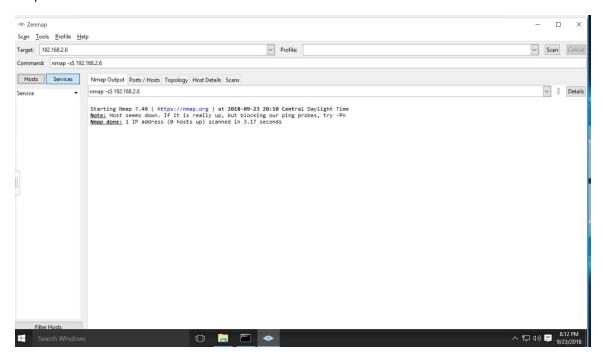
UDP Scan: sU

Fingerprint Scan: OS

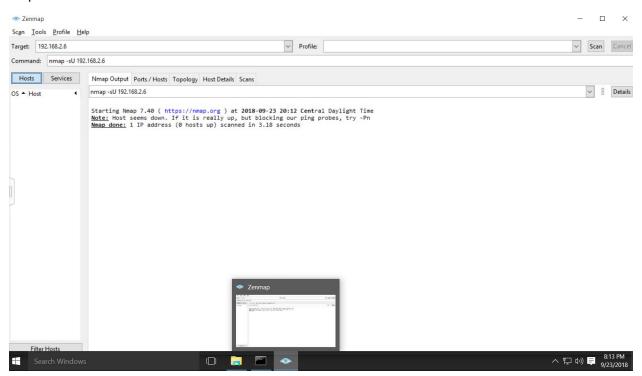
Step 8



Step 9



Step 10



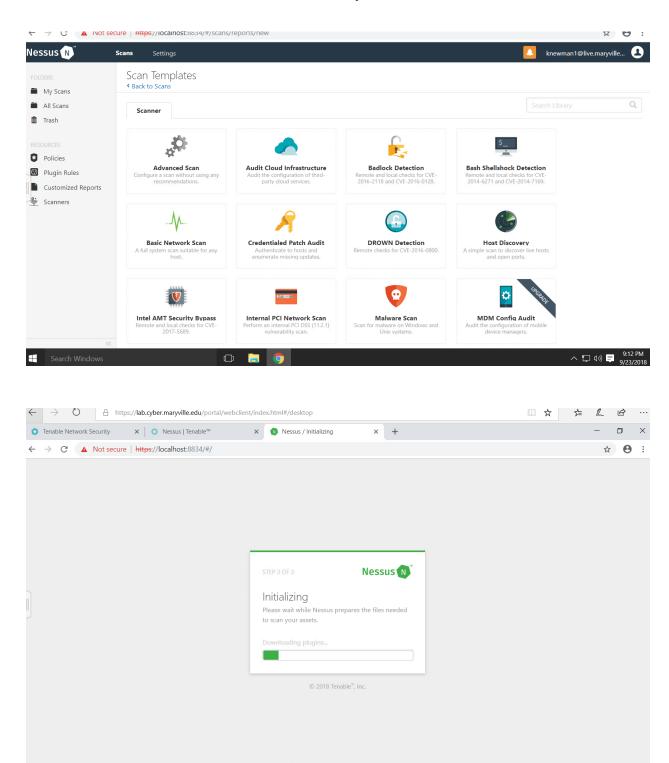
Step 11



Step 12

NMap couldn't identify the system was blocked the ping probes.

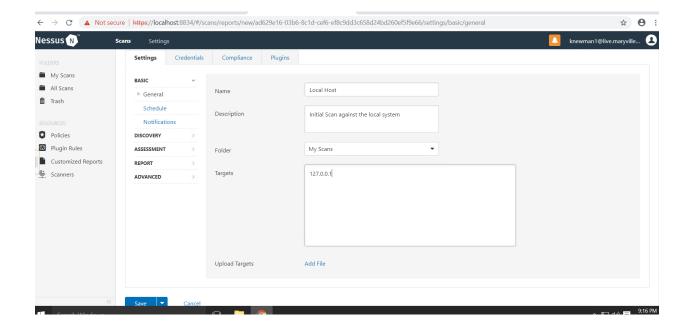
A vulnerability assessment identifies vulenarbilties in a system, and a penetration test is an stimulated attack on a system by an ethical hacker. A vunlerabity assessment can be a part of a penertration test.

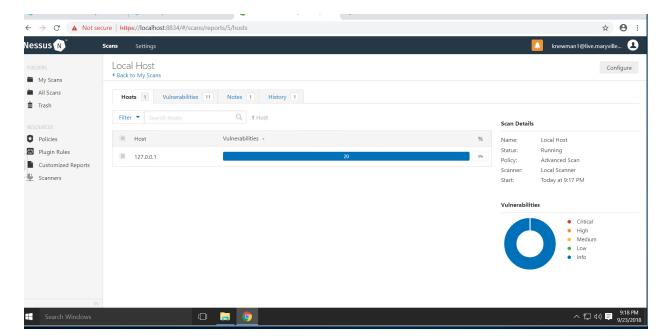


An unauthenticated scan is a scan that done without anyone credentials, while authenticated scan requires user credentials.

ヘ 口 い) ■ 8:47 PM

Search Windows





I would use this tool to run scans on my network and I would run it at the end of every work week. I would also run the scans on all systems to avoid missing any vulnerabilities. . As penetration tester this tool could help cut down the time it takes to find vulnerabilities and weak spots in a targets system.

They type scan that was performed in step 2 is an unauthenticated scan.

