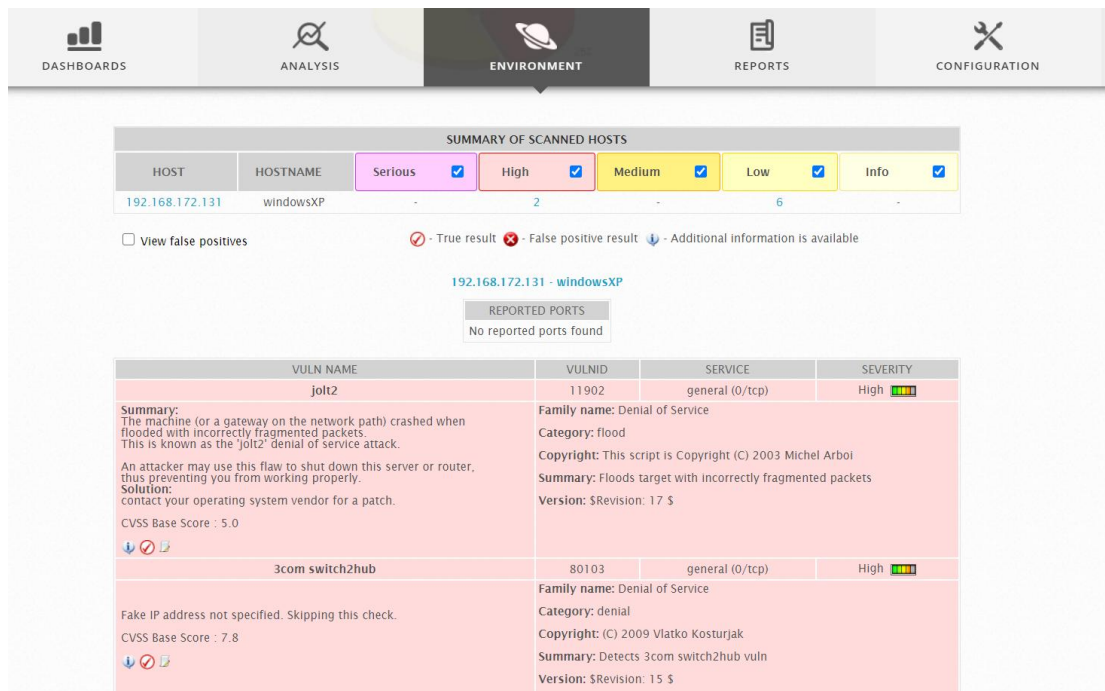
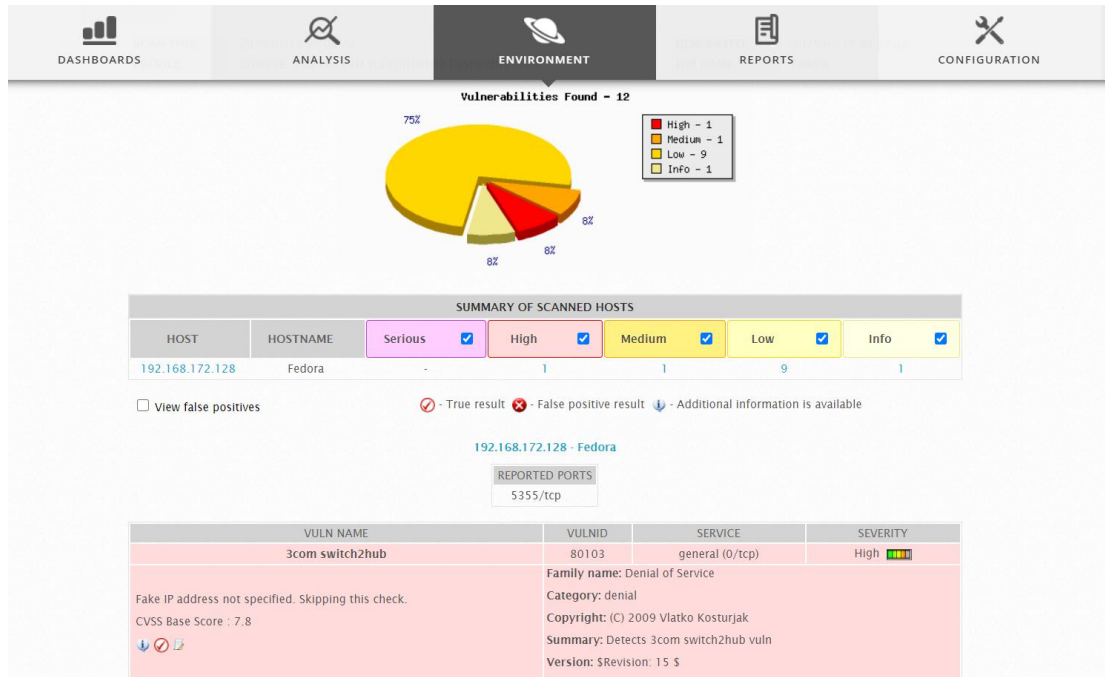


# Security Fundamentals Assignment 1

ZHENGZHENG LI

## 1. Screenshots from Alienvault OSSIM that list the top CVSS results from a security assessment on two hosts:



## 2. What types of devices can Alienvault OSSIM monitor?

AlienVault OSSIM can monitor the following types of devices:

**Servers:** Includes physical or virtual servers running Windows or Linux.

**Network Devices:** Such as routers, switches, and firewalls.

**Security Devices:** Includes IDS (Intrusion Detection Systems) and IPS (Intrusion Prevention Systems).

**Applications and Databases:** Such as web applications and database servers.

**Cloud Services:** Resources on platforms like AWS, Azure, etc.

**Endpoint Devices:** Such as workstations and laptops.

## 3. Is it agent-based or agentless?

AlienVault OSSIM supports both agent-based and agentless modes:

**Agent-based:** By deploying HIDS agents (e.g., OSSEC) on hosts to collect detailed system information and event logs.

**Agentless:** Through network traffic monitoring and log collection for device status analysis.

## 4. What are the differences between the free and paid version?

The key differences between the free OSSIM and paid USM Anywhere versions are:

### **Free OSSIM:**

- Provides basic SIEM features like event correlation, vulnerability assessment, and HIDS support.
- Lacks support for cloud services and machine learning-based analytics.
- Only community support is available; no official technical support.

**Paid USM Anywhere:**

- Supports cloud platform monitoring (e.g., AWS, Azure, and Google Cloud).
- Offers advanced threat intelligence and automated response features.
- Includes professional technical support.

**5. List 3 other commercial SIEM products on the market that provide similar functionality to Alienvault OSSIM.**

Other commercial SIEM products with similar functionalities include:

**Splunk Enterprise Security:** A widely-used enterprise-grade SIEM platform with powerful log analysis and data visualization capabilities.

**IBM QRadar:** A sophisticated SIEM solution focusing on threat detection and incident management, suitable for enterprise-level networks.

**ArcSight (Micro Focus):** An enterprise-grade solution providing real-time threat detection and incident management, designed for complex IT environments.