



*EMAGINED SECURITY*®

# **Network Security Configuration Assessment**

## Overview

Emagined Security's Network Security Configuration Assessment includes an analysis of the effectiveness of a company's or specific system's security controls. Our service includes reviews using adaptive techniques and technology to review the actual risk associated with a company's overall network security design along with the implementations of network controls.

## Benefits

A Network Security Configuration Assessment can help save your company time, money and the embarrassment of a bad audit by finding discrepancies before an audit occurs and before an attacker does. In addition, by allowing Emagined Security to perform the assessment for you, you receive the most accurate and unbiased report of your strengths and weaknesses in the network security arena.

## Description of Service

Network Security Configuration Assessments evaluate crucial network components at the technology, vulnerability and configuration levels.

The Security Technology Assessment performs a high-level security review of the external security boundary along with selected key areas and systems to determine potential vulnerabilities and risks. The primary systems and areas of interest include:

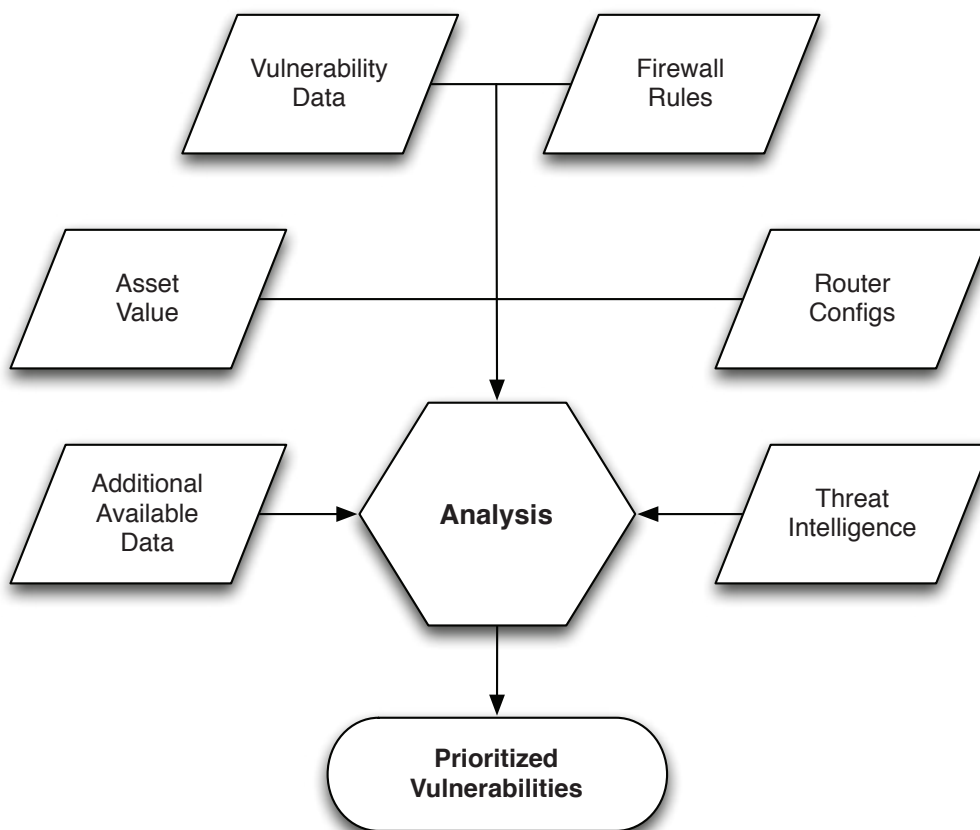
- Internet Connectivity
- Remote Access
- Business Partner Connections
- Critical Internal Network Infrastructure
- Application Security Infrastructure

For these areas, the topics on which we will focus are:

- Identification And Authentication
- Password Management
- Resource Access Control
- Data Security
- Security Event Logging
- Intrusion Detection And Reporting

- Virus Protection
- Operating System Patches
- Emergency Response
- Data Backup And Archiving
- Contingency Planning
- Operations Procedures
- Vendor Access Control
- Software Development Standards
- Change Control

The Vulnerability Prioritization task uses vulnerability information and network device configurations to develop risk mitigation prioritization. Using vulnerability prioritization tools, Emagined Security takes into consideration specific network paths, near real-time vulnerabilities, and attack simulations. The result of this process is a list of the top vulnerabilities that should be addressed to immediately reduce network risk.



The Configuration Reviews will perform key Technology Equipment reviews (e.g., firewalls, routers, servers) and make cost effective recommendations. This review provides an internal perspective of technology to determine if configurations are adequate. Configuration reviews can be performed on the following types of systems:

- Firewalls
- Internet Router(s) providing connectivity to outside networks
- Proxy Server(s)
- Intrusion Detection System(s)
- Domain Name Server(s)
- E-mail server(s)
- Application Server(s)
- Bastion Host(s)
- Web Server(s)