

## Overview

A vulnerability management (VM) program should be one of the cornerstones of your cybersecurity program. Effective VM programs help you understand how to stay ahead of the attackers regarding asset coverage, which users are prone to phishing, and which assets in your enterprise have bad cybersecurity hygiene.

Traditional tools deployed by organizations have managed endpoint vulnerabilities and configurations. Nevertheless, organizations have found that these tools don't cover modern environments efficiently and effectively.

Our ESOF VM platform replaces legacy vulnerability tools and various point products to maintain your cybersecurity posture constantly and auto-prioritize open vulnerabilities across assets. Our Prediction feature uses machine learning to report these vulnerabilities for the upcoming month. Your most recent scan results will calculate each architecture type's vulnerability specifics.

The feature also predicts the cyber risk score of various Architecture types based on predicted vulnerabilities. And, based on severity level, it counts the foreseen vulnerabilities.

## The Challenge

Traditional vulnerability and configuration management tools have several problems.

- Users must be more attentive to future threats and risks affecting the entire system.
- Only vulnerabilities that scanners identify are prioritized but not in real-time, and it might take days or weeks to assess the issue.
- To meet all relevant standards, they require multiple siloed tools.
- Each time they run a scan, they cause significant network traffic and bandwidth use.

## The Solution


TAC Security's ESOF Prediction Model prognosticates the vulnerabilities present in vulnerable assets and security misconfigurations. Our prediction features provide these solutions:

- **Future Vulnerability prediction of the month:** ESOF prediction feature assesses all your assets and finds vulnerabilities and security misconfigurations for the next month. All the vulnerable assets are discovered, and the outcome will be based on the History trend of vulnerabilities. It will also display the overall predicted score on the dashboard.

- **Cyber Risk Score:** Based on the output of the monthly vulnerabilities, it predicts the cyber risk score. Using this to look ahead, you can quickly understand how to maintain your organization's security posture.
- **Prediction per patched Vulnerabilities:** It also predicts the vulnerabilities based on the previous month's number of patches.
- **Foreseeing the Top 5 Vulnerabilities:** It also predicts the vulnerabilities based on the previous month's number of patches.

## Prediction Feature Outcomes

ESOF Prediction Feature gives you the following:

-  Increase Vulnerability Understanding
-  Increase Endpoint Visibility
-  Reduce Time To Understand Vulnerabilities
-  Increase Non-Technical Understanding

## How the ESOF Prediction Model Works

The Prediction machine learning algorithm assesses all available data within ESOF to:

- Predict vulnerabilities based on past trends
- Predict patched vulnerabilities based on past trends
- Create real-time predictions
- Predict top vulnerabilities
- Predict the ESOF cyber score

Learn more about ESOF Prediction, please visit our Website [www.tacsecurity.com](http://www.tacsecurity.com) or contact us to Request a Demo.

**TAC Security, Inc**  
1390 Market St #200 San Francisco, CA 94102, USA  
Privacy © Copyright 2022. All Right Reserved - TAC Security, Inc.