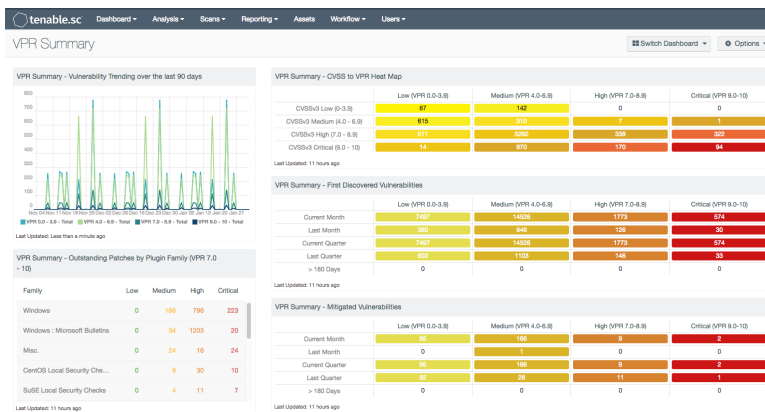




# Predictive Prioritization Focus on What Matters First

## A Data Science Approach to Vulnerability Overload

Predictive Prioritization is a ground-breaking new process for solving the vulnerability remediation priority problem and is included as core functionality within Tenable.sc and Tenable.io. It leverages a proprietary machine learning algorithm along with threat intelligence to predict the vulnerabilities with the highest likelihood of being exploited in the near future. Tenable's Predictive Prioritization model updates priority scores for every single CVE daily.



Directly within Tenable.sc and Tenable.io, a Vulnerability Priority Rating (VPR) is automatically displayed for each vulnerability, indicating the remediation priority of the vulnerability. VPR is a dynamic value and changes with the threat landscape, enabling organizations to focus on remediating the vulnerabilities with the highest likelihood of being leveraged in a cyber attack.

## Improve Remediation Efficiency

With Tenable's Predictive Prioritization, organizations can now dramatically improve their remediation efficiency and effectiveness by focusing first on the 3% of vulnerabilities in their environment that have been or will likely be exploited in the wild. A potential 97% reduction in the vulnerabilities you need to remediate with high priority.



The majority of vulnerabilities are scored through CVSS as 'high' or 'critical'; common sense dictates that if everything is important than nothing is.



The vast majority of vulnerabilities pose only a theoretical threat, most will never be weaponized and used in attacks.



Of the 16,500 new vulnerabilities disclosed in 2018, only 7% had a public exploit available.



Tenable examined over 109,000 vulnerabilities and determined which of 150 different characteristics are likely indicators that a vulnerability will be exploited.