

# Prioritize CVEs by Quantified Financial Risk

Focus on Vulnerabilities that Matter Most to Your Organization with ThreatConnect Risk Quantifier



Security teams typically focus on remediating Common Vulnerabilities and Exposures (CVE's) with the highest severity scores, but vulnerabilities can not be effectively prioritized without understanding the amount of financial risk they bring to your business. With **ThreatConnect Risk Quantifier (RQ)**, understand the potential financial risk that CVE's introduce to your organization and prioritize your patching efforts based on this.

From 2015 to 2020, the number of vulnerabilities reported represented a YoY annual growth rate of 36%. In 2020 more than 18,000 vulnerabilities were reported, a whopping 183% increase from 2015. Prioritization of patching is more important than ever.

(Source: 2 Ponemon Institute | Costs and Consequences of Gaps in Vulnerability Response, May 2020)

## Incorporate Financial Impact into CVE Prioritization Decisions

Traditionally, vulnerability management solutions have prioritized CVE's by their technical risk — using CVSS score as a main driver in combination with multiple sources of cyber intelligence to help re-weigh the vulnerability by its technical merits and origin.

Technical weighting does provide legitimate insight and is a good place to start, but it doesn't apply the idea of financial impact. More than 13% (over 16,000 on any given day) of all CVE's are scored at 9.0 and of those, 7,500 (or just under 50%) are scored at the max CVSS score of 10.0. That score of 10 lacks

the business context to help determine relevance to your organization and properly understand potential financial risk. **This begs the question — how do you prioritize between them based on potential impact to your organization?** That's where ThreatConnect RQ steps in. It computes the financial risk to your business and calculations how much risk CVE's contribute so that you can prioritize your patching efforts by how much financial risk is being reduced - providing the business context you need so vulnerabilities can be counted and valued in the same way other risks to the business are.

CVEs do not affect every organization in the same way. Understand the financial impact to **your organization** with ThreatConnect RQ.



## Importance of Quantifying Financial Risk of CVE's

Quickly determine which CVEs pose the greatest financial risk to your organization and prioritize patching efforts with the ability to automate cyber risk quantification. ThreatConnect RQ provides a prioritized list of CVEs that are most important to the business so you can understand what risks you have today while also keeping track of bigger risks as things evolve and change. This dynamic list takes into account your current patching efforts and moves new CVEs with the highest financial risk and impact to the top of the list.

Recommendations									
Short - Term Recommendations   Long - Term Recommendations									
Filter by:	CVE ID	CVSS Score	Applications	Highest Individual ALE	Aggregated Application ALE	Contributory Effect	% Change From Last Run		
	All	All	All	All	All	All	All		
CVE ID	Base information		Critical Asset Analysis			Company Wide Analysis		Financial Prioritization	
	How we compute this	CVSS Score	Applications	Critical Asset Count(AOO)	Highest Individual ALE	Aggregated Application ALE	Company Wide Count	Aggregated Company ALE	Contributory Effect
CVE-2018-0748	4.6	Enterprise View	8	\$15.4M	\$15.4M	8	\$15.4M	\$1.1M	0%
CVE-2017-0146	9.3	Enterprise View	1	\$15.4M	\$15.4M	1	\$15.4M	\$574.9K	0%
CVE-2017-0145	9.3	Enterprise View	1	\$15.4M	\$15.4M	1	\$15.4M	\$574.9K	0%
CVE-2017-0143	9.3	Enterprise View	1	\$15.4M	\$15.4M	1	\$15.4M	\$574.9K	0%
CVE-2017-8759	9.3	Enterprise View	3	\$15.4M	\$15.4M	3	\$15.4M	\$574.9K	0%