



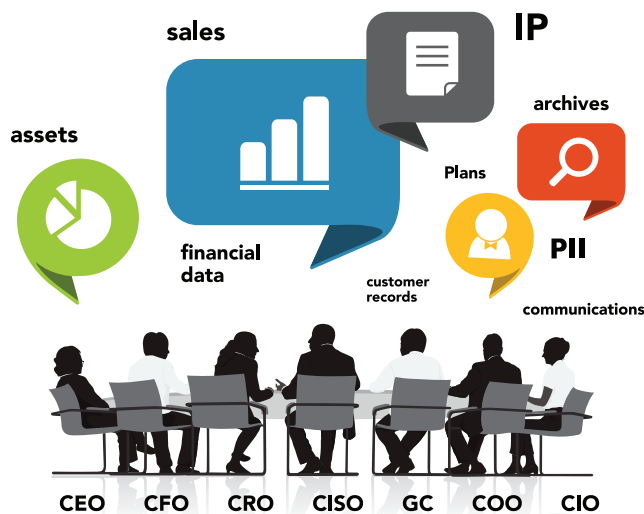
# Quantify cyber risk in dollars and sense

CyVaR is a decision support platform that quantifies an organization's financial risk exposure to cyberattacks.

CyVaR enables CISOs, CIOs, Risk Managers and their organizations to answer:

- How much money could we lose to cyber-attacks over the next year?
- How are our cyber investments protecting our most critical information assets?
- How much, and what types, of cyber insurance do we need to transfer financial risk?

CyVaR enables executives to see the financial impact of vulnerabilities and potential security incidents and arms them with the information they need to make smarter business decisions and manage risk.



## Current Annualized Loss

● **\$2,531,917**

**Average Potential Loss**

This is the average amount you could lose over the next 12 months if you take no action to secure your networks.

● **\$14,329,055**

**Severe Potential Loss**

This is the average amount you could lose based on the top 5% of simulated trials, and is your severe potential loss over the next 12 months if you take no action to secure your networks.

## Total Exposure

based on the potential losses for this scenario

● **\$106,666,667**

CyVaR enables your executive team to come together and make smart decisions about cyber security.

## Understand what's invaluable to you

The only way to truly know how to defend your network is to understand how cyber-attacks could financially impact your business. For example:

- How much revenue could you lose if your website goes down?
- Will you be fined if you lose PII, PHI, PCI or other sensitive data?
- Can your business recover from the financial loss of critical IP?
- How much would it cost to recover from a cyber-attack?

### Potential Losses and Mitigations

Loss Summary Report		
\$106,666,667 Projected Revenue + Net Assets	5 Business Applications in Scenario	\$79,721,697 Business Application Total Exposure
\$268,864 Highest Risk Reduction	\$2,531,917 Scenario Value-at-Risk (Average)	\$14,329,055 Scenario Value-at-Risk (Severe)



## Understand where financial risk exists

Managing risk of financial loss due to cyber incidents requires knowing where those risks reside and the types of loss that could be experienced. CyVaR computes an organization's total Cyber Value-at-Risk and shows how risk is distributed across business applications by financial loss type. Knowing where risk exists and what risk affects enables organizations to make smarter decisions about risk mitigation and risk transfer.

Business Application	Value-at-Risk	Loss Type				Sensitive Data
		Compliance	Cyber/Privacy Extortion	Recovery Costs	Revenue Loss	
SAP	\$15,906,200	\$608,400	\$35,700	\$6,668,500	\$5,387,500	\$3,206,100
Corp Email	\$10,306,600		\$36,000	\$5,150,000		\$5,120,600
Corp File Share	\$9,679,400		\$25,100	\$4,808,600		\$4,845,700
GitHub	\$8,074,700		\$16,800	\$4,029,300		\$4,028,800
Salesforce	\$476,800			\$283,500	\$19,300	
<b>TOTAL</b>	<b>\$44,443,700</b>	<b>\$608,400</b>	<b>\$113,400</b>	<b>\$20,939,900</b>	<b>\$5,580,800</b>	<b>\$17,201,200</b>

## Cyber Risk Management – Security ROI

CyVaR lets you evaluate how risk can be reduced through a combination of risk mitigation and risk transfer. Each potential investment can reduce financial risk. Armed with this information, you can answer questions like, "Which set of investments will most cost-effectively reduce my risk?" and "How much, and what types, of cyber insurance will effectively transfer financial risk?"

Option	Current Potential Loss	Year 1 Cost	Risk Reduction	Revised Potential Loss	Year 1 ROI
Improve patch management process	\$1,510,000	\$475,000	-\$375,000	\$1,135,000	-21.1%
Implement employee spear phishing sensitivity program	\$1,510,000	\$125,000	-\$420,000	\$1,090,000	236.0%
Purchase computer data loss and restoration coverage	\$1,510,000	\$125,000	-\$500,000	\$1,010,000	300.0%
Accept Risk	\$1,510,000	\$0	\$0	\$1,510,000	0.0%

## How are people using CyVaR?

CyVaR brings cyber security risk management decisions into the boardroom. Typical use cases include budgeting; project selection, prioritization and staging; vulnerability and risk assessment; and scenario planning exercises. CyVaR is also a powerful tool for helping businesses select the proper cyber insurance coverages.

## Security investment Planning

All companies know they have to invest in security, but they don't always know how to prioritize or stage those investments. CyVaR is helping companies assess their needs, build business-driven security investment plans, and reduce their cyber risk.

## Cyber Insurance Planning

The biggest questions around cyber insurance are: what is my exposure; and what types of losses do I need to insure? CyVaR's calculations for expected annual loss enables you to determine the potential financial exposure your

company faces in the event of a cyber-attack. It also lets you model different scenarios for potential loss, making it easier to work with an insurance broker to obtain the right policy and coverage.

## How does CyVaR work?

CyVaR facilitates the creation of a profile of your assets, your business applications, your computing environment, and your defensive posture. CyVaR identifies the most valuable information assets and business activities that could be impacted by a cyber-attack, and then estimates the financial consequences of the potential loss for each. CyVaR next uses sophisticated attack modeling and Monte Carlo simulation to estimate the probabilities of those losses occurring and shows how those potential losses are distributed across business applications by financial loss type. The resulting analysis and mitigation recommendations are provided in both on-screen and printable reports.

**Learn more. Visit [cyberpoint.com](https://www.cyberpoint.com)**



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