

# Risk Fabric enables security and IT teams to prioritize vulnerabilities based on greatest impact to mission

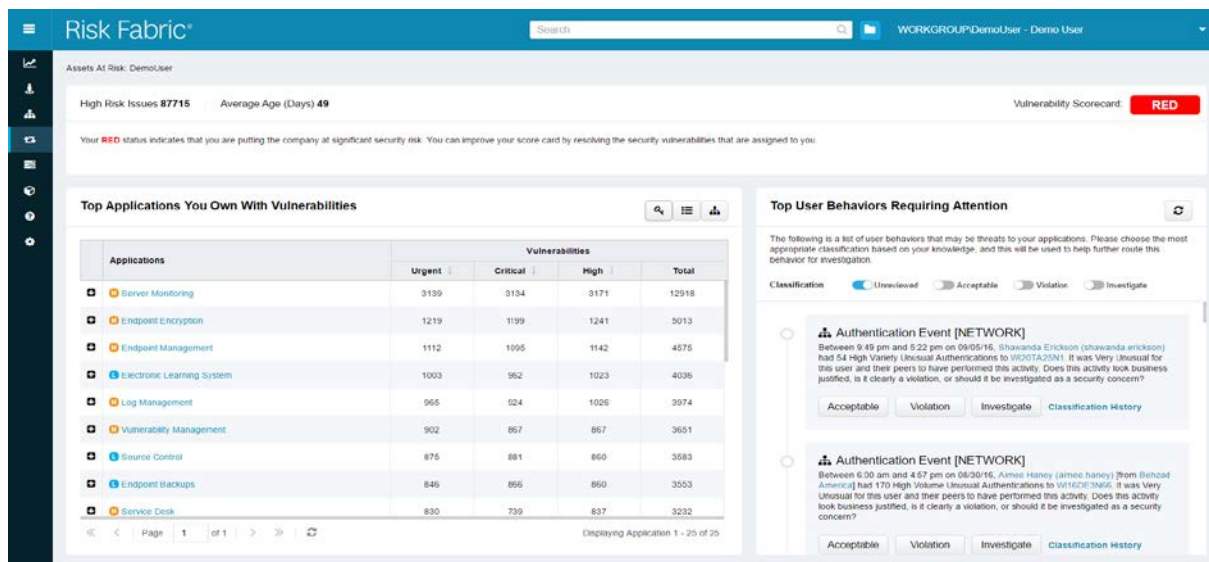
## The Assets at Risk Challenge

Scan tools, static code analyses and pen tests produce long lists of vulnerabilities and configuration issues, that include a severity rating, but nothing reflecting the potential fiscal and mission impact of the exposed applications.

Which vulnerabilities, if exploited, will create the greatest impact to my agency's mission? Which vulnerability do I patch first? Who is the person responsible for approving the patch?

These questions can only be answered by connecting the dots between that long list of vulnerabilities and configuration issues with the affected infrastructure, associated applications and their value to the agency.

Then, orchestrating actions to fix the problem requires communication and information exchange between application owners, IT fixers and the vulnerability management team.



The screenshot shows the Risk Fabric interface with a search bar and user information. It displays a summary of high risk issues (87715) and an average age of 49 days. A red 'RED' vulnerability scorecard is visible. Below, there are two main sections: 'Top Applications You Own With Vulnerabilities' and 'Top User Behaviors Requiring Attention'.

Applications	Vulnerabilities			Total
	Urgent	Critical	High	
Server Monitoring	3139	3134	3171	12918
Endpoint Encryption	1219	1199	1241	5013
Endpoint Management	1112	1095	1142	4576
Electronic Learning System	1003	952	1023	4036
Log Management	955	524	1025	3974
Vulnerability Management	902	857	857	3651
Source Control	875	881	850	3583
Endpoint Backups	846	856	850	3553
Service Desk	830	739	837	3232

The 'Top User Behaviors Requiring Attention' section shows two authentication events with classification options: Acceptable, Violation, Investigate, and Classification History.

## Orchestrated Vulnerability Lifecycle Management Based on Value at Risk

Risk Fabric® calculates a CVSS Environmental Score®, based on the value at risk if a vulnerability in an application or system were exploited, to assess the severity of vulnerabilities and prioritize remediation actions.

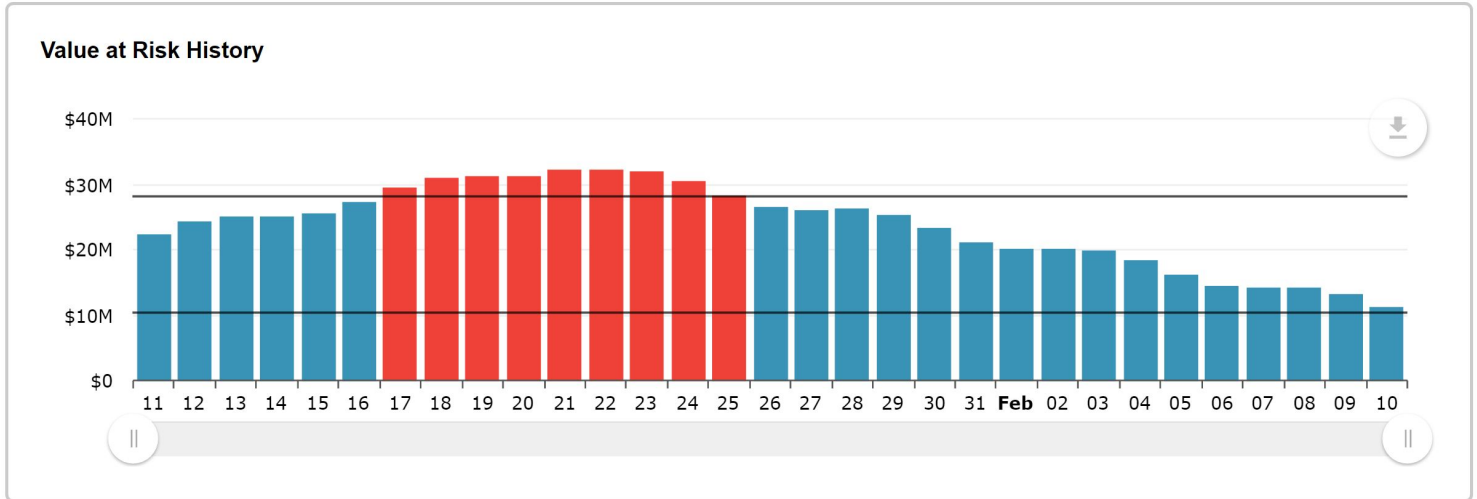
The platform integrates your vulnerability and configuration issues, application and organizational metadata, threat activity and potential loss value if an application were compromised, to prioritize and orchestrate the process of remediating the most critical vulnerabilities within your most critical assets.

Application security owners, vulnerability analysts and IT fixers each get their own prioritized view, from which they can escalate and action workflows within Risk Fabric or via integration with GRC and service management tools like Archer and ServiceNow.

Vulnerability management, CISOs, regulatory auditors and operations work in automatically generated dashboards that provide comprehensive reporting of remediation performance, decrease in value at risk, aging, and exposure, sliced by application, vulnerability or patch.

## Application Value at Risk & Value-Based Remediation

The Risk Fabric analytics platform calculates a value at risk dollar amount, based on dynamic telemetry from cyber defenses and IT systems, to quantify the level of financial risk associated with an application at a given time. Value at risk is calculated daily from actual threats and vulnerabilities detected from existing security tools and business systems.



Name	Value at Risk	Percent of Potential Loss	Credential Risk	Technical Risk	CEP	TEP
FTP	\$1,203,700.00	60.19%	\$203,700.00	\$1,000,000.00	High	Very High
Network Monitoring	\$1,194,600.00	59.73%	\$194,600.00	\$1,000,000.00	High	Very High
Private Cloud	\$1,180,800.00	59.04%	\$180,800.00	\$1,000,000.00	High	Very High
Enterprise Backup	\$1,159,300.00	57.97%	\$159,300.00	\$1,000,000.00	High	Very High
Identity Management	\$1,156,800.00	57.84%	\$156,800.00	\$1,000,000.00	High	Very High
Log Management	\$1,151,400.00	57.57%	\$151,400.00	\$1,000,000.00	High	Very High
Endpoint Backups	\$1,145,000.00	57.25%	\$145,000.00	\$1,000,000.00	High	Very High

Records: 25

*Continuous measurement of application cyber risk provide a system of record for the entire agency*

### About Bay Dynamics

Bay Dynamics<sup>®</sup> enables enterprises to continuously quantify the financial impact of cyber risk based on actual conditions detected in their environment. The company's flagship product, Risk Fabric<sup>®</sup>, is a software platform that calculates the value at risk associated with specific threats and vulnerabilities, that when mitigated, measurably reduce cyber risk exposure.

For more information visit [www.baydynamics.com](http://www.baydynamics.com).

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