



# BitSight Security Ratings for the NIST Cybersecurity Framework

Continuously monitor how an organization's information security aligns with the NIST Cybersecurity Framework



MAP TO THE NIST CYBERSECURITY FRAMEWORK

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CONTINUOUSLY MONITOR CRITICAL VENDORS

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IDENTIFY RISKY TRENDS AND TAKE REMEDIATION STEPS

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## BITSIGHT FOR NIST CYBERSECURITY FRAMEWORK

BitSight Security Ratings enable organizations to continuously monitor how effectively their information security programs align to the NIST Cybersecurity Framework. Security ratings automatically map to the NIST Framework, enabling organizations to quickly assess their cybersecurity maturity and identify important trends. BitSight's data is updated daily, which helps teams identify, detect, and quickly respond to changes, and communicate metrics with senior management, critical third parties, or audit teams.

## A VENDOR RISK PERSPECTIVE

The NIST Cybersecurity Framework includes tiers as a way to measure cybersecurity maturity. These tiers range from Partial (Tier 1) to Adaptive (Tier 4). When organizations consider working with a new vendor, information security or procurement teams are oftentimes tasked with understanding each new vendor's security maturity. These teams typically use security assessments and questionnaires to gather data, but the responses may be biased and could yield inaccurate results. Making important vendor decisions with questionable data could expose an organization to reputational issues, fines, and other challenges in the event of a third party data breach.

The accuracy of BitSight's data has been independently verified by third party firms, and is trusted by some of the largest companies in the world. BitSight does not require penetration tests or network scans, and because the online platform automatically maps security metrics to the NIST Cybersecurity Framework, organizations can quickly and accurately assess the maturity of their vendor's cybersecurity program.

## THE VALUE OF CONTINUOUS MONITORING

As new cyber threats emerge, information security teams are tasked with measuring their cybersecurity performance and that of their third parties. Security assessments and questionnaires only provide a static, moment-in-time snapshot of an organization's cybersecurity posture. Because BitSight Security Ratings are automatically updated every day, teams can track changes in how their organizations or their critical third parties align to the NIST Cybersecurity Framework. This is especially important when onboarding new vendors, presenting cybersecurity to the Board of Directors, or sharing data with auditor.

## ALIGN SECURITY RATINGS TO THE NIST CYBERSECURITY FRAMEWORK

## ABOUT BITSIGHT TECHNOLOGIES

BitSight transforms how companies manage information security risk with objective, verifiable and actionable Security Ratings. Founded in 2011, the company built its Security Ratings Platform to continuously analyze vast amounts of external data on security issues. Seven of the largest 10 cyber insurers, 80 Fortune 500 companies, and 3 of the top 5 investment banks rely on BitSight to manage cyber risks.

## FOR MORE INFORMATION

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## KEY BENEFITS

- **Automatically Map to the NIST Cybersecurity Framework.** BitSight Security Ratings are automatically mapped to the NIST Cybersecurity Framework, enabling organizations to quickly assess their own cybersecurity maturity or that of their third parties.
- **Easily Identify Security Gaps.** Companies that use BitSight can quickly generate reports that highlight gaps between their security program and critical parts of the NIST Cybersecurity Framework. These reports can be shared with the Board of Directors or critical third parties to help drive cybersecurity discussions.
- **Accurate, Trusted Metrics.** Companies from various industries across the globe trust BitSight to deliver accurate, actionable data to help them manage cybersecurity risk. In fact, independent studies by risk modeling firms have verified the validity of BitSight Security Ratings.
- **Continuously Monitor Cybersecurity Maturity.** Questionnaires and security assessments can be costly, time-consuming, and only provide a snapshot view of a company's cybersecurity posture. With BitSight, organizations can continuously monitor their own security performance and that of any third party, and assess at any moment whether they align to the NIST Cybersecurity Framework.

The screenshot displays a web interface for a BitSight report. The top navigation bar includes 'BIT SIGHT', 'PORTFOLIO', 'MY COMPANY', 'ALERTS', and a search bar. The main content area is titled 'NIST CYBER SECURITY FRAMEWORK REPORT'. On the left, a sidebar lists categories: 'ABOUT', 'Report Overview', 'IDENTIFY (ID)' (with sub-items 'Asset Management ID:AM' and 'Risk Assessment ID:RA'), 'PROTECT (PR)' (with sub-items 'Access Control PR:AC', 'Data Security PR:DS', 'Information Protection Processes and Procedures PR:IP', and 'Protective Technology PR:PT'). The 'Data Security PR:DS' item is highlighted. The main panel shows 'Data Security' with a red dot, indicating a focus area. It states 'PR.DS Evaluating 3 of 7 sub-categories' and provides a description: 'Information and records (data) are organization's risk strategy to protect the confidentiality, integrity, and availability of information.' Below this, it lists 'PR.DS-2 Data-at-rest is protected.' with sub-categories: 'Open Ports' (F), 'SSL Certificates' (A), 'SSL Configurations' (A), and 'Application Security' (A). Further down, it lists 'PR.DS-5 Protections against data leaks are implemented.' with sub-categories: 'Open Ports' (F), 'Spam Propagation' (A), 'Unsolicited Comm.' (A), 'Malware Servers' (A), 'Botnet Infections' (A), and 'Potentially Exploited' (A). The bottom of the report shows 'PR.DS-6'.

Report from BitSight Security Ratings Mapped to the NIST Cybersecurity Framework