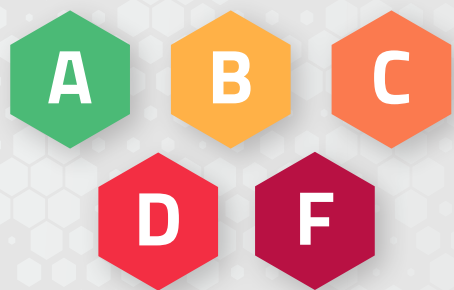# Leading the Way:
SecurityScorecard ratings are the best predictor of breach in the industry.

Why Security Ratings Matter

At its core, security ratings serve as a fundamental measure of an organization's cybersecurity posture. Security ratings provide an objective and standardized way to assess the cybersecurity resilience of both small and large organizations.

Introducing Scoring 3.0

SecurityScorecard has refined its scoring algorithm, yet maintains its commitment to a trusted and transparent methodology in Scoring 3.0. This innovation ensures that every organization, regardless of its scale, gains access to reliable insights, enabling them to enhance their cybersecurity posture effectively. By providing a fair and objective assessment, SecurityScorecard continues to empower businesses to proactively strengthen their defenses in the face of evolving cyber challenges.

Incidence of Cybersecurity Flaw vs. Digital Footprint
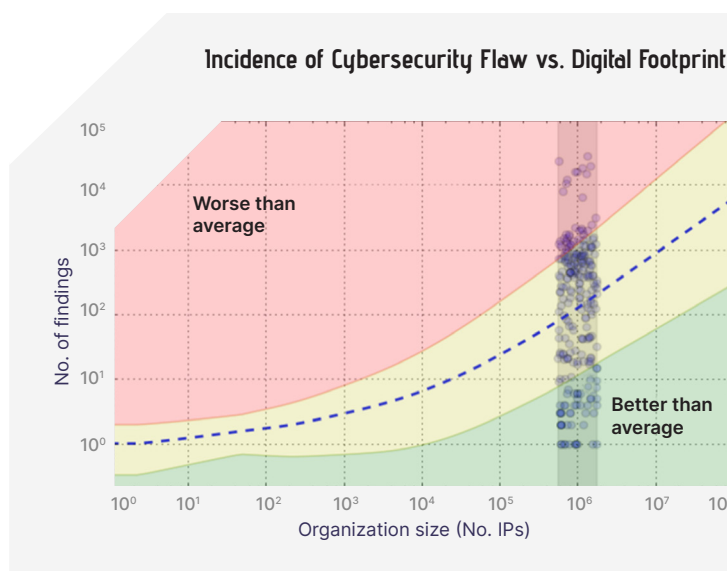
Research & Discovery

Scoring 3.0 was developed by analyzing data from over 15,000 publicly disclosed breaches. Leveraging the power of Data Science and Machine Learning, we pinpointed issue types with predictive capabilities for breaches, systematically assigning risk-based weights to optimize performance. This rigorous analytical process resulted in the creation of the industry's most sophisticated and data-driven algorithm, setting a new standard for precision in security ratings.

15K
publicly disclosed breaches. Leveraging the power of Data Science and Machine Learning

Execution

This innovation contributes to the transparency of SecurityScorecard ratings, making the top score a leading indicator for relative Breach Risk. The severity levels column is a direct representation of 'Breach Risk,' clearly outlining the impact on an organization's score.

BREACH CORRELATION

Issue types with higher correlation for breach have a higher weight and issue types with lower correlation for breach resulted in lower weights. This dynamic, data-centric approach promises a more accurate reflection of breach likelihood through SecurityScorecard ratings using proven breach history correlated across 200+ issue types.

SEVERITY LEVELS

High: This issue type had significant correlation with breach

Medium: This issue type had medium correlation with breach

Low: This issue type had low correlation breach

Info: This issue type had insignificant correlation with breach
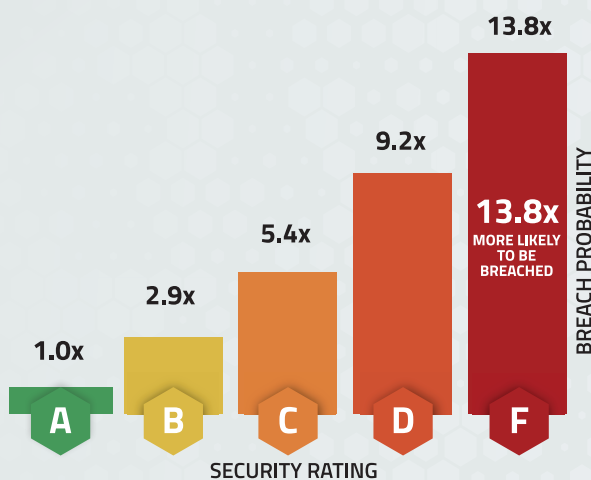
NO FACTOR WEIGHTS

An organization's top level score is generated using only issue-type weights. Score Factors will continue to be scored on an A-F (1-100) scale, but will no longer carry a weighted value. These 10 factors will serve as a categorization mechanism for the weighted issue types on every Scorecard.

Validation

This ML/AI-based scoring approach to identify issues predictive of breach and algorithmically determine their weight enhances breach predictability.

Customers with an 'F' grade will now be 13.8x more likely to be impacted by a breach compared to an 'A' grade.

BREACH PROBABILITY

SECURITY RATING	Value
A	1.0x
B	2.9x
C	5.4x
D	9.2x
F	13.8x — 13.8x MORE LIKELY TO BE BREACHED

The Scoring 3.0 Advantage

How more meaningful ratings benefit each use case:

SECURITY & RISK OPERATIONS
Ensure and prove your organization is secure with a high rating.

SUPPLY CHAIN CYBER RISK
Enhance your understanding of supply chain risk instantly with comprehensive ratings.

CYBER INSURANCE
Evaluate risks within your company or portfolio for informed decision-making.

GET YOUR FREE SCORE TODAY!
securityscorecard.com/free-account-trial