

# Ubiquitous Data Security

Bedrock Security delivers unified, AI-driven data security, governance, and management. Powered by the industry’s only Metadata Lake, it continuously captures data context—location, sensitivity, usage, entitlements, and fifty other parameters—enabling security, GRC and data management teams to dynamically monitor data, assess risk, enforce policies, and automate security workflows. Bedrock enables you to:

UNDERSTAND YOUR DATA	CONTROL YOUR DATA	REDUCE YOUR RISKS
<b>Fast, Private Deployment:</b> One-click Bedrock Outpost deployment captures metadata across cloud services while preserving data privacy.	<b>AI-Aware Security:</b> Detects unauthorized AI data usage and flags exposure risks with an AI Data Bill of Materials.	<b>Entitlement Right-Sizing:</b> Streamlines least-privilege access to reduce risks.
<b>AI-Powered Discovery:</b> Scans structured/unstructured data across SaaS, PaaS, and IaaS.	<b>Trust Boundaries:</b> Blocks sensitive data from AI training and unauthorized regions.	<b>Automated Compliance:</b> Tracks policies for GDPR, CPRA, PCI DSS, and AI regulations.
<b>Contextual Classification:</b> Dynamically labels data (PII, financial, IP).	<b>Real-Time Monitoring:</b> Adaptive Scanning detects anomalies and alerts SecOps teams.	<b>Data Optimization:</b> Identifies redundant data to lower costs and risks.
<b>Cross-team Visibility:</b> Provides continuous, cross-team access to data assets.	<b>Copilot:</b> Enables natural-language investigations and policy validation.	<b>Extended API Functionality:</b> Enhances SIEM and CNAPP/ CSPM with metadata to support misconfiguration detection, DLP, AI compliance, risk-based policy enforcement, etc.

## Bedrock Metadata Lake

The Bedrock Metadata Lake provides continuous, real-time metadata on data sensitivity, location, access, usage, and 50+ other parameters used throughout the ubiquitous data security lifecycle.

### Top Use Cases

- Discover, Classify, & Manage Your Data
- Contextualize Your Data
- Track Your Data Lineage
- Understand Your Data Movement & Access
- Review Your Data Entitlement Access
- Manage Your Data Vulnerability and Exposure

### 60+ hours saved/week

- Healthcare provider

### 10,000+ gene sequences core IP protected

- Leading provider of cell programming and biosecurity

### 2PB+ data discovered and classified in 24 hrs

- Large HR tech company

## Bedrock vs DSPM/Legacy Tools

SUBSECTION	DSPM & LEGACY SOLUTIONS	BEDROCK SECURITY (METADATA LAKE ADVANTAGE)
<b>Visibility</b>	<p>Cannot process petabytes of data in minutes. High operational (compute and people) costs require lots of tuning.</p> <p>Large gaps of data visibility and slow updates increase risk.</p>	<p>Maps datastores, identities, and access relationships continuously across IaaS, PaaS, and SaaS platforms.</p> <p>No gap visibility with continuous data lineage, entitlements, sensitivity, and 50+ parameter updates.</p>
<b>Data Classification</b>	<p>Rule-based, RegEx-driven classification.</p> <p>Limited customization and weak data lineage tracking. High false positive rates.</p>	<p>AI-driven classification detects data types and regulatory categories with no RegEx or fragile rules, incorporating business context for accuracy.</p> <p>Ensures precise, automated classification that adapts to evolving data environments.</p>
<b>Risk Prioritization</b>	<p>Lacks deep impact analysis, "blast radius" visualization, and limited entitlement analysis.</p> <p>Makes remediation prioritization difficult.</p>	<p>Ranks risks by exposure and impact with "blast radius" visualization and historical trends.</p> <p>High accuracy for proactive risk reduction and post-breach forensics with full entitlement chain analysis for human and non-human identities.</p>
<b>Responsible AI: GEN AI LLM</b>	<p>Limited AI governance and model training transparency.</p> <p>Poor visibility into AI/ML data usage.</p>	<p>Tracks datasets in AI models, creates Data Bill of Materials (DBOM), and prevents unauthorized GenAI usage with Trust Boundaries.</p>
<b>Integration with Other Security Tools</b>	<p>Some DSPMs only integrate with SIEMs, ticketing solutions, and SSO providers.</p> <p>Most DSPMs lack seamless security automation.</p>	<p>Provides pre-integrated ingestion and workflows with a range of security products. Enables metadata lake information to be shared with SIEM, SOAR, CNAPP/CSPM, DLP, and other security and compliance tools.</p> <p>Push down classification tags enhance DLP accuracy.</p>

**About Bedrock Security:** Bedrock Security, the ubiquitous data security and management company, accelerates enterprises' ability to harness data as a strategic asset while minimizing risk. Its industry-first metadata lake technology and AI-driven automation enable continuous visibility into data location, sensitivity, access and usage across distributed environments. Bedrock's platform continuously catalogs data, enabling security, governance and data teams to proactively identify risks, enforce policies and optimize data usage — without disrupting operations or driving up costs. Trusted by leading financial institutions, healthcare providers and Fortune 1000 companies, Bedrock Security empowers organizations to improve data security posture management (DSPM), confidently deliver Responsible AI initiatives, and manage the exponential data growth. Learn more at <https://bedrock.security>.

