Acumatica
The Cloud ERP

Build Your Business on a Foundation of Trust

Acumatica Multi-Layered Security Solution Brief

Overview

In a world shaped by rapid digital change, security is fundamental for lasting business health and growth. Acumatica Cloud ERP delivers a modern, multi-layered security framework that protects your data and operations while allowing your teams to thrive. Our approach combines reliable cloud technology, practical processes, and a collaborative community dedicated to shared success.

With Acumatica, you gain strong identity management, intelligent threat monitoring, full control over access, and ongoing support for regulatory compliance. The platform empowers your people to work safely and efficiently while adapting to evolving challenges. Security becomes an asset, enabling collaboration, innovation, and resilient growth. When you choose Acumatica, you gain a trusted partner invested in your progress.



GIT Coatings | Acumatica Customer

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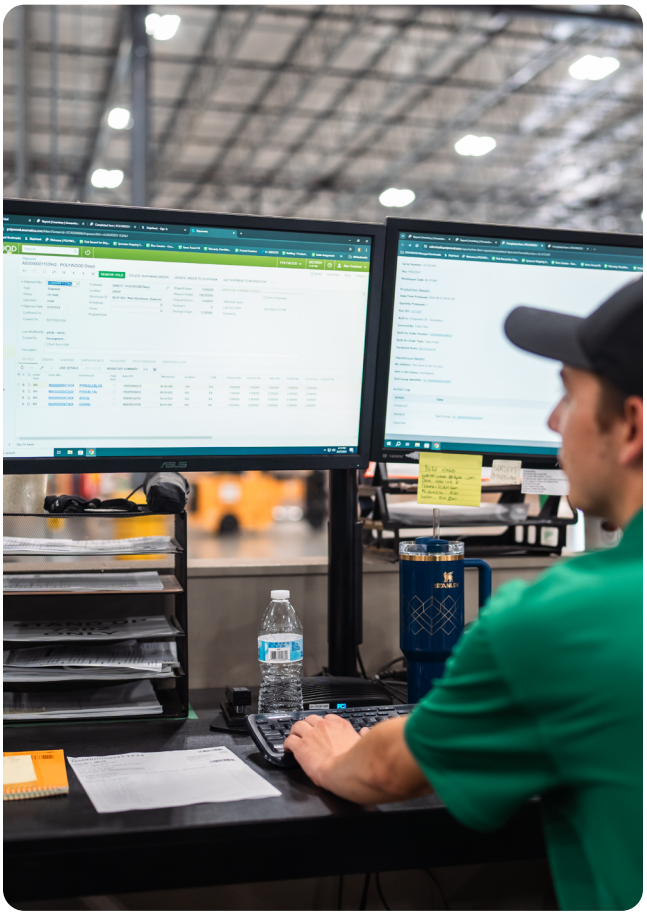
The Modern Security Challenge

Every organization navigating today's digital landscape faces new pressure from cyber threats, complex regulations, and the limitations of traditional security tools.

Key Challenges

- **Escalating Threats:** Advanced attacks, including ransomware and phishing, have become routine hazards. Each day, organizations must be prepared for 20 to 25 major ransomware incidents, and phishing remains a persistent, growing problem[1][2].
- **Regulatory Pressures:** Staying compliant with GDPR, SOC, PCI, and other standards is more challenging than ever. Forty-three percent of businesses did not pass a compliance audit last year, and nearly a third of those experienced a data breach as a result[3].
- **Limited Visibility and Control:** Fragmented, outdated security practices obscure risks and force organizations to react to problems instead of preventing them.
- **Operational Impact:** Poorly designed security can create bottlenecks. When policies are unclear or tools are cumbersome, productivity suffers and teams become frustrated.





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The Ripple Effect of Security Gaps

Security is not just an IT function. Its impact stretches across leadership, finance, and everyday operations. When cracks appear in your defenses, the consequences echo through the business.

- **Leadership:** Instead of driving innovation and strategy, leaders may find themselves stuck in costly and time-consuming incident response. These disruptions drain resources and dampen morale.
- **Finance:** The fallout from a breach is felt on the balance sheet. The global average cost per incident is now $4.88 million, a risk few organizations can afford to ignore[4].
- **Operations:** Downtime, customer fallout, and broken workflows often follow security incidents. It can take significant time and resources to restore trust and return the business to normal.

A proactive and coordinated strategy is essential. Defending technology, people, and processes together is the only way to ensure lasting protection and resilience.



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1. SentinelOne: 2024 Cybersecurity Statistics
2. NordLayer: Cybersecurity statistics 2024
3. Thales: Data Security Trends 2024
4. IBM Cost of a Data Breach Report 2024

Acumatica's Multi-Layered Security Approach

We designed Acumatica's security platform around three pillars that adjust to your needs and keep pace as you grow.

Identity and Access Management

Control starts with knowing who can do what. Acumatica makes this clear by providing Single Sign-On, Two-Factor Authentication, and detailed permission settings. These tools ensure your users only see what they need, reducing mistakes and helping prevent the 68 percent of breaches linked to human error. Identity controls work smoothly, adapting to your organization while encouraging safe and productive work.

Application and Data Controls

Your sensitive data needs strong protection, both in transit and at rest. Features such as end-to-end encryption, data masking, and secure data removal help protect information from leaks or unauthorized access. Complete audit trails provide a full history of every action, simplifying reviews and speeding up investigations.

Logging and Monitoring

Real-time monitoring tracks system activity to detect suspicious behavior early. Automated alerts reach your team in time to respond quickly, helping you avoid downtime or extended disruptions.



Mid-State Companies | Acumatica Customer

Cloud Confidence

Acumatica runs on AWS, which provides proven uptime, strong physical and network defenses, and scalable resources for every stage of growth. Our customers rely on us to deliver a stable platform so they can focus on their business rather than hardware maintenance.

"[Ransomware] spread throughout all three counties; all the computers and servers except for one Active Directory server, one file server, and our backup…It was a nightmare for the whole agency. We were down for two weeks without Internet…There was absolutely no effect at all on Acumatica; it was just a matter of not having the Internet, so [anyone needing it] just worked from home."

– Tammy Raub, CFO, Mozaic

MOZAIC
MANY PEOPLE. ONE STRONG COMMUNITY.

7 Layers of Acumatica Cloud ERP Security

Authentication

Verifies the identity of users accessing the system.

- User Name and Password
- Multi-Factor Authentication (MFA)
- Single Sign-On (SSO)

Authorization

Controls what authenticated users can access and do within the system.

- Role-Based Access Control (RBAC)
- Permission Sets
- Workflow Restrictions

Data Security

Protects sensitive data from unauthorized access or exposure.

- Field-Level Security
- Row-Level Security
- Data Encryption (TLS and AES)

Application Security

Ensures the ERP application itself is secure from vulnerabilities.

- Input Validation
- Session Management
- Audit Trails and Logs

Integration Security

Secures data exchange between the ERP app and external systems.

- API Security (OAuth, API Keys)
- Web Services Protection (SOAP/REST Endpoint Security)
- Data Mapping Controls

Infrastructure Security

Protects the underlying hardware, network, and hosting environment

- Firewall and Network Segmentation
- Cloud Security and Cybersecurity Controls (Amazon Web Services / Microsoft Azure)
- Backup and Disaster Recovery

Compliance and Governance

Ensures the ERP system adheres to legal and regulatory standards.

- Audit Logs and Reporting
- Policy Enforcement
- Regulatory Compliance (GDPR, HIPAA, SOX, more)

Key Security Features and Benefits

Acumatica's comprehensive approach weaves together advanced technology, clearly defined policies, and easy-to-use controls. This helps secure your data, enables team productivity, and keeps your business strong as you face new challenges. Our features are designed to streamline compliance, support secure growth, and protect every part of your organization.

Centralized Control:
Manage data permissions and access with accuracy. You have the power to direct who can see, edit, and share mission-critical information.

End-to-End Protection:
Layers of security, including encryption, secure application interfaces, and specific device and password policies, help shield data at all points in its lifecycle.

Simplified Compliance:
Acumatica includes regulatory support for GDPR, SOC, PCI, and more. Features like automatic retention and built-in audit logs make compliance easier and faster.

Proactive Threat Response:
Stay ahead of risks. Our automated monitoring and alerting systems keep you informed so you can address problems before they grow.

Scalable for Growth:
As your operation expands, our platform expands with you. Security updates and adjustments are simple. There's no need to choose between growth and protection.

Acumatica Cloud ERP Security Workflow

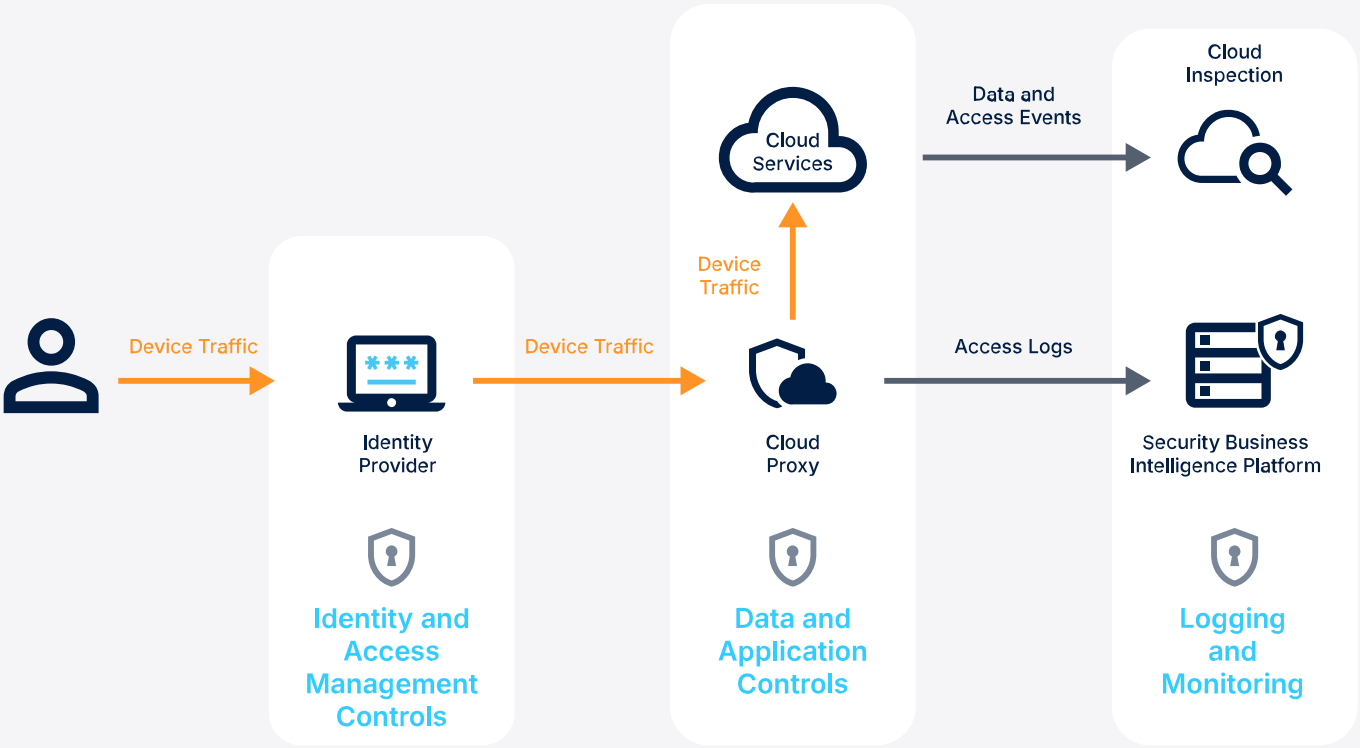

Figure 2. We focus our SaaS security controls in three areas: identity and access management, data, and logging and monitoring.

"With Acumatica, they've really taken a lot of that burden off our hands. They've got great security policies and with the data residing here in the UK on AWS, we know that it's really well looked after."

– Chris Drake, COO, Smartnumbers

smartnumbers

Take Control of Your Security Future

You do not have to accept risk or settle for complexity. Acumatica is a true partner, combining practical security, collaboration, and real people to support your goals.

We see security as an enabler for your team's next breakthrough, your reputation with customers, and your potential to shape the future. Let's work together to build a resilient and forward-thinking business.

Want to see how Acumatica can help you?

Connect with our experts for a demonstration. Learn how our collaborative, layered platform helps you protect your business and move ahead with confidence.

About Acumatica

Acumatica Cloud ERP offers a solid foundation for modern companies. Our cloud-based platform was built for collaboration, adaptability, and long-term success. Join a community that empowers organizations to lead through change and innovation, while staying secure every step of the way. Let's build something great together.
Visit www.acumatica.com to learn more.



Bocca Terry | Acumatica Customer

Acumatica Cloud ERP is a comprehensive business management solution that was born in the cloud and built for more connected, collaborative ways of working. Designed explicitly to enable small and mid-market companies to thrive in today's digital economy, Acumatica's flexible solution, customer-friendly business practices, and industry-specific functionality help growing businesses adapt to fast-moving markets and take control of their future.

For more information on Acumatica,
visit www.acumatica.com or follow us on LinkedIn

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