

Acumatica Cloud ERP Security Features Checklist

When you evaluate a new business application, its security and compliance features are as crucial as its functionality. A strong ERP solution should provide a robust, multi-layered defense to protect your data, ensure operational continuity, and help you meet regulatory demands. This guide outlines key features to look for, grouped by category, so you can make a confident and informed decision.

Use this checklist to compare features and benefits of Acumatica Security across seven critical categories:



Authentication

Verifies the identity of users accessing the system.



Authorization

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



Data Security

Protects sensitive data from unauthorized access or exposure.



Application Security

Ensures the ERP application itself is secure from vulnerabilities.



Integration Security

Secures data exchange between the ERP app and external systems.



Infrastructure Security

Protects the underlying hardware, network, and hosting environment.



Compliance and Governance

Ensures the ERP system adheres to legal and regulatory standards.




Authentication

Feature	Description	Priority	Acumatica		
Single Sign-On (SSO)	Enables users to access multiple applications with a single set of credentials, improving user experience while centralizing access management.		✓		
Two-Factor Authentication (2FA/MFA)	Adds a critical layer of security by requiring multiple forms of verification. Let your users sign in once and seamlessly access your instance. You choose which identity providers (like Google, Microsoft, Okta, or others) to support, making life easier for everyone while keeping access tightly managed.		✓		
Password Policies	Enforce strong password policy requirements. You're in charge of the rules, including the length, character complexity, reuse restrictions, and expiration periods, ensuring secure passwords without annoying your users.		✓		
IP Address Filtering	Create your own allow-lists or block-lists of IP addresses. Only trusted locations can attempt to log in, perfect for remote teams or office-only personnel.		✓		
Device and Location Tracking	Gain visibility into the devices and locations accessing the system, define the rules for what counts as 'suspicious,' and receive instant alerts to act before anything goes wrong.		✓		
Login Attempt Lockout	Automatically lock user accounts after a set number of failed login attempts to defend against brute-force attacks. Establish the number of failed attempts and lockout duration to keep legitimate users safe without unnecessary hurdles.		✓		



Authorization

Feature	Description	Priority	 Acumatica		
Role-Based Access Control (RBAC)	Allows you to assign permissions based on a user's role within the organization, ensuring employees only have access to the data and functions necessary for their jobs.		✓		
Granular User Permissions	Go beyond roles and fine-tune user permissions down to individual buttons, fields, menu items, or reports. Provide users read-only access to a dashboard, hide a column, or let them edit just one section.		✓		
Security Settings by Entity	Enables configuration of unique security rules for different tenants, companies, or branches to support complex organizational structures. Your settings travel with the entity, so users automatically see only what's relevant to them.		✓		
Delegated Administration	Empower department leads or location managers to manage individual user access, add users, reset passwords, and assign roles without granting them full admin rights.		✓		
Data Access Audit Logs	Every permission change is automatically recorded with who made it, when, and what changed. Download ready-to-use reports for auditors, spot unusual activity instantly, and prove compliance with just a few clicks.		✓		




Data Security

Feature	Description	Priority	Acumatica		
Encryption in Transit	Every click, every report, every sync is protected using TLS 1.3, protecting your data from being intercepted when using your browser or mobile app, even on public Wi-Fi.		✓		
Encryption at Rest	Information is automatically encrypted the moment it reaches our AWS databases using AES-256 keys. Even with access to the physical drives, unauthorized users would see only unrecognizable gibberish.		✓		
Data Masking	Test and train safely with production-like data that looks real but isn't. Automatically hide credit cards, SSNs, or any sensitive field in dev, staging, or sandbox environments. Your team works with realistic datasets; private details stay private.		✓		
Data Retention Policies	You set the rules, keep invoices for 7 years, quotes for 90 days, or anything in between. Policies apply automatically across the system, so you stay compliant and only pay for the storage you actually need.		✓		
Secure Data Erasure	When someone invokes "right to be forgotten" or you just need to delete old records, one-click permanently wipes the data across live systems and backups. Full audit trail proves it's gone for good, in compliance with GDPR, CCPA, or any privacy law.		✓		




Application Security

Feature	Description	Priority	 Acumatica		
Session Timeout Controls	You decide how long is “too long” for someone to step away. Set idle timeouts anywhere from a few minutes to several hours per role, per user group, or across the board. When time’s up, the session ends automatically and requires re-authentication, keeping unattended devices safe without frustrating active users.		✓		
Cross-Site Scripting (XSS) Prevention	Rest easy knowing your instance is always protected with the latest security fixes and improvements, no manual effort required on your end. Through our Always Current program, we automatically handle patching and updates behind the scenes, keeping your system secure, stable, and compliant while minimizing any disruption. We prioritize your security so you can focus on running your business.		✓		
Approval Workflows	Configurable approval workflows to automatically route documents like purchase orders, AP bills, and timecards through predefined approval maps. Workflows can support simple or multi-level approval chains, allowing users to build complex logic with steps and rules triggered by document type, dollar thresholds, user roles, or custom conditions—ensuring consistent, efficient, and controlled approval processes.		✓		
Business Events & Automated Notifications	Create business events to act as triggers for automatic actions such as sending alerts, creating tasks, or updating records. Paired with notifications, the system can react instantly to specific changes—helping teams stay aligned without manual follow-up.		✓		




Integration Security

Feature	Description	Priority	 Acumatica		
API Access Control	Incoming webhooks are verified the moment they arrive. Define a secret signature key for each provider that is validated against every payload and rejects anything that doesn't match. No more worrying about fake orders or spoofed updates, only trusted data gets through.		✓		
Secure API Protocols	All API connections support OAuth 2.0 and OpenID Connect out of the box. Let your developers (or third-party apps) use the same secure standards trusted by Google, Microsoft, and Stripe. You approve every connection and can require multi-factor authentication for extra-sensitive integrations.		✓		
Payload Encryption	All data that leaves or enters your system is automatically encrypted in transit using TLS 1.3. Whether it's an order sync, inventory update, or financial report, nobody can eavesdrop, even on public Wi-Fi or untrusted networks.		✓		
API Throttling and Rate Limiting	You set the speed limits that make sense for your business. Cap requests per minute, hour, or day—per integration or globally. Legitimate apps keep working; abusive traffic gets slowed or blocked automatically, stopping attacks before they impact your team.		✓		
Webhook Security	Incoming webhooks are verified the moment they arrive. Define a secret signature key for each provider that is validated against every payload and rejects anything that doesn't match. No more worrying about fake orders or spoofed updates, only trusted data gets through.		✓		



Infrastructure Security

Feature	Description	Priority	 Acumatica		
World-Class Cloud Hosting	Every instance runs exclusively on Amazon Web Services (AWS), with built-in compliance for SOC 1, SOC 2, and SOC 3.		✓		
Network Firewalls and Intrusion Detection	Get proactive, always-on protection without ever lifting a finger with an industry-leading next-generation Web Application Firewall (WAF) with real-time intrusion detection systems to monitor all internet and internal network traffic 24/7. Suspicious activity, such as brute-force attempts, malicious payloads, or unusual behavior, is blocked instantly, ensuring threats are stopped long before an attacker can touch your hosted instance.		✓		
Disaster Recovery and Business Continuity	Your entire instance is backed up multiple times daily with point-in-time recovery. Regular disaster-recovery drills keep us ready for unexpected events.		✓		
Guaranteed Uptime SLA	Achieve 99.5% monthly uptime backed by service level agreements (SLA) with real-time visibility into the status of your instance.		✓		
Physical Data Center Security	Your data is safeguarded in AWS data centers that set the global standard for physical security. These facilities maintain 24/7 on-site security teams. You can explore the full details of AWS's world-class physical protections anytime at aws.amazon.com/trust-center/data-center/our-controls/ . Rest assured the building itself is as secure as the software running inside it.		✓		



Compliance and Governance

Feature	Benefit	Priority	Acumatica		
GDPR Compliance Tools	Enjoy EU compliance with built-in consent management, one-click data access requests (DSARs), and permanent data erasure options. Handle “right to be forgotten” requests in minutes, not weeks, and keep automatic records of every action.		✓		
SOX Compliance Support	Public company? Sleep better knowing you’re protected with tight access controls, immutable audit trails, segregation of duties, and financial close safeguards are already in place. Generate SOX-ready reports instantly and let auditors see exactly what they need.		✓		
Industry-Specific Certifications (SOC)	SOC 1 Type II, SOC 2 Type II, and SOC 3 certified. Independently audited and verified every year.		✓		
Configurable Audit Preferences	You decide how long to keep every transaction, change, and login record—from 1 year to forever. Match retention exactly to your industry rules and adjust anytime as regulations evolve.		✓		
E-Signature Capabilities	Close deals faster with integrated, legally binding e-signatures from common service providers. Every signature is timestamped, encrypted, and logged automatically, creating an unbreakable audit trail for contracts, approvals, and compliance docs.		✓		
Data Residency Options	Gain control over the geographic region where your data is stored, helping you comply with national data sovereignty laws.		✓		

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](#).

