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Secure by Design

A Comprehensive Guide to Building Securely with Xano.

Jacques Antikadjian, Co-Founder & CSO



Letter from Xano Co-founder and CSO Jacques Antikadjian

As Co-Founder and Chief Security Officer at Xano, I understand firsthand that when building applications – from rapid prototypes to mission-critical enterprise systems - security isn't optional; it's foundational. The consequences of neglecting robust controls, data protection, and reliable backups are simply too high. Regulatory missteps can lead to significant legal and financial penalties. A single data breach can irrevocably damage customer trust built over years. Data loss due to improper configuration(s) can cripple operations and lead to substantial revenue loss. The risks are high.

Yet, clear, actionable guidance for developers and tech leaders on implementing security best practices effectively within modern development workflows is often difficult to find.

This is precisely why we've developed this security guide. At Xano, security is not merely a feature or a department; it is a core principle embedded in our architecture, our processes, and our company culture. My role is to ensure this principle translates into a platform you can trust implicitly. Whether you are just beginning your journey with Xano or scaling a complex, regulated application, this guide is designed to empower you to build with confidence and clarity.

Inside this guide, we demystify essential security concepts and demonstrate how Xano facilitates their implementation, from access controls to proactive monitoring and effective recovery strategies. We firmly believe that adopting rigorous security practices should accelerate, not hinder, your development velocity. That's why Xano is engineered to simplify and integrate security best practices, making them manageable and accessible without bogging down your production pipeline.

Safeguarding your data is Xano's paramount responsibility. This commitment is validated by our adherence to the world's most stringent industry standards and data privacy frameworks. We have invested heavily in achieving and maintaining compliance with: HIPAA, SOC 2 Type 2, ISO 27001, GDPR, and others. These certifications aren't just badges; they represent rigorous, continuous audits and third-party evaluations confirming that our platform meets and often exceeds global compliance benchmarks. This isn't just about our compliance; it's about providing you with a platform built on a verifiable foundation of trust and security.



Please remember, navigating the complexities of security is a journey, not a destination, and you are not alone. Should you encounter challenges or have specific questions as you implement these practices, our dedicated customer support and security teams stand ready to assist. Reach out to our team at support@xano.com.

For more security information, please visit https://www.xano.com/security/ or https://security.xano.com/.

Thank you for downloading this guide and for prioritizing security in your development process. Your commitment reflects the same dedication that drives us at Xano. We are confident this resource will provide invaluable knowledge and support as you build secure, scalable, and successful applications on our platform.

Sincerely,



Jacques Antikadjian

Co-Founder & Chief Security Officer at Xano

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Process you should enact regularly to keep your Xano environment secure.



Introduction

This ebook covers four key components when setting up a secure application:

- → security controls
- \rightarrow observation
- \rightarrow recovery and backup
- → security processes

From setting up security controls at the instance and workspace levels to implementing robust data protection and API security measures, this resource covers essential aspects for safeguarding your applications. Additionally, it explores the various Xano security features that support these protocols.

Though this guide does not need to be followed in order, we recommend you read it in its entirety, as it is a comprehensive walk-through of all the steps you should take to secure your applications. And remember, you can always reach out to https://www.xano.com/contact/ to connect with our dedicated customer support and security teams.

Now let's tackle the first topic to explore when securing your application: Security controls.



Security Controls – Locking Down Your Foundation

Instance Security

Team Management

The Team Management feature is essential for maintaining a secure, efficient, and scalable development environment. It ensures that team collaboration is seamless while protecting sensitive information and maintaining robust oversight of user activities.

It defines who can access and make changes to your Xano environment. Properly managing user roles and permissions, making sure that only authorized individuals can interact with sensitive data and critical functionalities.





Role Type



Security Policy

This policy serves as a guideline for maintaining security standards. By defining and enforcing a security policy, you can systematically manage risks and establish a culture of security awareness within your team.

Security Policy	
Configuration Specify the security policy for this instance	Microsoft Entra ID Google Github
Inactivity Logout Time 1 hour	SSO Connection Enforcement
Require 2FA Disabled	Allowed SSO Hosts ① + Host
Authentication Enforcement ③	IP Address Allowlist ①
Email Microsoft Entra ID Google Github	+ Add IP Address Denylist ① + Add

Inactivity logout timers

Set minimum requirements for password strength and regular updates.

2FA across accounts

Add an extra layer of security by requiring a second form of verification.



Authentication Enforcement

Requires the user to sign in with one of the following services (email, Microsoft Entra ID, Google or Github)

IP Whitelisting

Restrict access to your Xano instance from specific IP addresses or ranges.

IP Denylist

Block access to your Xano instance from specific IP addresses or ranges.

A Xano's 2FA →

Database Connector

The Database Connector is an important component that enables communication between your Xano database and any external tools you want to provide with access.



Making sure that this connector, when enabled, is IP restricted is important for securing database access.

IP restrictions limit access to trusted sources, reducing the risk of unauthorized connections and potential data breaches.





Metadata API Keys

Metadata API keys are used to access and manage system metadata, including schema information and configurations. Keeping track of what keys have been created and making sure their secure management is important for protecting this sensitive information.

Mismanaged or exposed API keys can lead to unauthorized access and manipulation of your system's metadata, potentially compromising the integrity and security of your entire backend. Regularly reviewing and rotating these keys, along with implementing strict access controls, helps maintain the security of your Xano environment.

 \blacksquare Read about Metadata API \rightarrow



Workspace Security

 \bigcirc Learn about editing logic \rightarrow

Role Based Access Control (RBAC) Control

Apply granular permissions for each team member and workspace within an instance using role-based access control. To enhance security and compliance, make sure that access to resources within your Xano environment is appropriately restricted based on user roles.



MEMBER	Instance Workspace	Workspace Database		
Jacques Antikadjian admin	Inherit Full	Inherit Full		
Lachlan McPherson admin	Full	Full		
		ROLE	Instance Workspace	Workspace Database
		admin	Full	Full
		developer	Full	Full
		developer	Full Read	Full Read
		developer readonly suspended	Full Read Disabled	Full Read Disabled

Implementing Role-Based Access Control (RBAC) involves identifying and defining the necessary roles within your organization. Each role is then assigned specific permissions that are essential for its functions.

This approach, adhering to the principle of least privilege (PoLP), ensures that only authorized individuals have access to the data and operations they require. By limiting access in this way, RBAC minimizes the risk of unauthorized access to sensitive information and helps organizations maintain compliance with relevant regulations.

 \blacksquare Learn about permissions \rightarrow

Metadata API Access

Xano's Metadata API offers programmatic access to the structure and configuration of your backend. This includes details like your database schema, API endpoints, functions, and other essential elements. By utilizing this API, developers can dynamically retrieve and manage this information, enabling automated interactions with your Xano backend.

Securing the Metadata API through Role-Based Access Control (RBAC) is crucial. RBAC ensures that only authorized users with the necessary roles and permissions can access and manage metadata. This restriction safeguards sensitive system information, such as schema configurations, from unauthorized modifications and potential security breaches. By securing access to the Metadata API, you maintain the integrity and confidentiality of your system's core configurations.



	Manage Instance
	METADATA API xebe-847
	The Metadata API is currently in beta and is the next evolution of the Developer API. This API is available at both the Xano account and instance level and secured through access tokens.
	Control access to your resources through access tokens. These tokens work hand in hand with the RBAC addon, if you need even more granular control.
■ Read about Metadata API →	

Environment Variables

Environment variables are crucial for securely storing sensitive data like API keys, tokens, and database credentials. These variables are accessible across your Xano application, including Queries, Addons, Functions, and Tasks

WORKSPACE SETTINGS				
Workspace name Security	e			
Environment Var Store things like API	iables keys or other values that you want acces	sible at all times in your Functions. The	y will be stored as ENV va	riables in the Function stack.
YOUR VARIABLES				
openai_api_key: ****				
SYSTEM VARIABLES				
<pre>\$remote_ip: this is \$http_headers: this \$request_uri: this \$request_querystring \$datasource: this is \$branch: this is a s Manage</pre>	a special environment variable that res is a text array of headers that ares en is a special environment variable that c g this is a special environment variable that cospecial environment variable that contai especial environment variable that contai	21ves to the IP address of the individual to the API endpoint. ontains the URI that is being accessed at that contains the query string of the tains which dataource is being used. Is which branch is being used.		
Processing Jobs				
ЮВУ	Type dbo_export_table:user	Status	Created At s: Jun 24, 2024 4:12 PM	Completed On Jun 24, 2024 4:14 PM -07:00 dow
1 Lachlan McPherson				

To protect these critical assets, it's essential to implement robust security measures. This includes encrypting stored values, restricting access to authorized personnel, and ensuring that only the necessary components within your application can utilize these variables.



By securely managing environment variables, you safeguard sensitive information from exposure and enhance the overall security of your Xano environment.

 \blacksquare Read about environment variables \rightarrow

Middleware

Middleware acts as an intermediary, handling requests and responses before and after they reach their intended destinations (functions and APIs). This crucial role enables the implementation of essential functionalities such as enhanced security measures, data validation, and custom business logic.



Pre-processing

Middleware can effectively handle crucial tasks such as input validation, authentication, and rate limiting. This proactive approach helps to prevent malicious inputs and unauthorized access, enhancing the security and stability of your application.

Post-processing

Middleware can be effectively utilized for tasks such as logging, response filtering, and error handling. This ensures that API responses are secure, compliant with business rules, and adhere to desired standards. You significantly enhance the security, reliability, and overall functionality of your API endpoints, leading to robust and efficient application performance.

■ Read more middleware →



Data protection

Sensitive Field Types

Sensitive Field Types in Xano enhance data security by enabling the implementation of extra security measures for critical information like Personally Identifiable Information (PII) and financial details.

These measures may include encryption and restricted access controls. Designating fields as sensitive is crucial for protecting user privacy, maintaining data integrity, and ensuring compliance with data protection regulations. This practice enforces stricter handling policies, minimizing the risk of unauthorized access and data breaches, ultimately strengthening the overall security of your application.

	Column visibility
Edit password column 'password' Securely store a password	Visible This column is part of your API inputs and responses.
Description	 Private Hide this column from API inputs. Internal Hide this column from your API inputs and responses.
Data structure	Custom rules and filters
 Single Will store a single value List Will store an array of values per row 	These are applied to your API inputs from top to bottom min 8
	minAlpha
API configuration	1
The following settings are used by your linked API endpoints. By default, Xano generates 5 API endpoints allowing you to read, create, update, and delete information from this table.	minDigit
✓ Required	1
Ensure a value is included in your API input.	CONFIGURE INPUT
Sensitive data	

rightarrow Read more about sensitive data flagging ightarrow

Encryption

Encryption is a fundamental security feature within Xano that safeguards data both while stored (at rest) and during transmission (in transit). By encrypting data, you render it unreadable to unauthorized individuals, even if it is intercepted or accessed improperly.

This crucial security layer protects sensitive information, maintains data integrity, and ensures compliance with industry standards and regulatory requirements.





Implementing robust encryption practices within Xano provides a strong defense against potential security threats and breaches, safeguarding the confidentiality and security of user information.

 \triangleright Introduction to security functions and filters in Xano \rightarrow

 \blacksquare Xano's data security features, including encryption \rightarrow

Private File Storage

Private File Storage in Xano enhances data security by requiring authorized, signed URLs for access. These URLs have a limited viewing period, ensuring that files are only accessible for a specific duration.

X fi	 Kano supports both public and private access to its iles. Public files use obfuscated paths Private files use time sensitive paths Head over to our documentation for more details.
C P	File access
0	Public File Public files use obfuscated paths for security.
0	Private File Private files are only accessible through on-demand time sensitive URL generation



This mechanism restricts access to sensitive documents, images, and other media, particularly when dealing with confidential or proprietary information. By implementing Private File Storage, you gain tight control over access to these files, minimizing the risk of unauthorized access and misuse.

Since files in Private Storage are inaccessible until a new URL is generated within your function stack, you have greater control over who can access what and for how long.

 \blacksquare File storage and management in Xano \rightarrow

User Permissions

Data security is paramount in backend development, particularly in multi-tenant systems where it's crucial to ensure that users can only access data relevant to them, even when shared databases are used.

This requires careful data segregation and access restriction. Assigning appropriate roles to users and defining relationships between them is essential to ensure that only authorized individuals can view and interact with specific data.



Role-Based Access Control (RBAC) is a key mechanism for implementing these restrictions. By defining roles and assigning users to them, we can control access to data and API endpoints based on their permissions. This guide will explore two distinct approaches to enforcing RBAC within API endpoints.

Restricting Access (RBAC) \rightarrow



API Security



Authentication

Authentication is fundamental to securing your APIs in Xano. By utilizing Xano's native authentication system with JSON Web Encryption (JWE) tokens or by developing a custom authentication solution, you can effectively restrict access to your API endpoints, ensuring that only authorized users can interact with your application.

Enable Authentication for a Table

Authentication can be applied to individual tables within your database. While typically applied to the primary user table, authentication requirements can be extended to other tables as needed. For example, you might encounter situations where user accounts are distributed across multiple tables due to legacy systems or the need for separate tables for customer and staff accounts.

Authentication can be enforced at the individual API endpoint level

If you select a login method during the Jumpstart process, Xano will automatically create an 'Authentication' API group. This group includes pre-built endpoints for user signup and login. These endpoints facilitate user authentication within your application.

	Table Settings
	Update the basic settings of this database table.
Authentication	Name secure_data
Authentication v	Description
Disabled user authentication	Add Tag
	Authentication Enabled
	Enabled



Cross-Origin Resource Sharing (CORS)

CORS is a web browser security feature that manages how web pages from one domain can request resources from another domain. It allows controlled access to resources located outside the current domain.



Browsers may send a 'preflight request' using the OPTIONS method to your API endpoints to obtain the CORS parameters. In Xano, you can define CORS options for each API group if the default settings are insufficient.

To modify CORS options, access the CORS Management panel by clicking the icon in the topright corner of the desired API group.



Rate Limiting

Rate limiting restricts the number of requests a user or client can make within a specified timeframe.

It is an effective strategy for preventing abuse and safeguarding your application against denial-of-service (DoS) attacks. It promotes fair API usage, reduces the risk of server overload, and improves the overall stability and performance of your application. Additionally, it aids in detecting and blocking malicious actors attempting to overwhelm your API with excessive requests.



Xano enables you to configure rate limits on your queries, allowing you to control the number of requests an API endpoint can handle within a defined time frame.

 \blacksquare Learn more about data caching with Xano \rightarrow

5. 🕃 Rate Limit 🛫	<u></u>		×
CONFIGURE Choose the following s	settings to co	onfigure rate limiting	
If you specify a cus automatically. If you hit, then leave this false, if the rate lim	stom error m ou would like f value blank. nit is triggered	essage below, then rate limitin to customize what happens wi You can then rely on the return d.	g will be enforced nen a rate limit is n value being
text key			~
Integer max		integer 5	~
integer ttl		integer 60	~
text error			~

The Rate Limit function includes several configurable settings:

- Key: Define a key for the rate limit.
- Max: Set the maximum number of requests allowed in the specified time (TTL).
- TTL: Set the time to live, in seconds, for each cycle.
- Error Message (Optional): If specified, this message will be displayed when the rate limit is exceeded. If no message is provided, the rate limit will return a boolean value of false, enabling the implementation of custom logic upon reaching the limit.

 \blacksquare Read about rate limits in Xano \rightarrow

User Permissions

Ensuring data security requires implementing proper user permissions and access controls. While Xano's authentication system verifies user validity, it does not inherently manage rolebased access or relational permissions.



Ensuring data security requires implementing proper user permissions and access controls. While Xano's authentication system verifies user validity, it does not inherently manage rolebased access or relational permissions.

✓ 1. Inputs Specify if this function a	accepts any inp	outs or query p	arameters	
enum permission_required	integer user_id	↔ Add input		
 2. Function Stack Add functions below to Hold Shift + drag or select 	determine how t ⊙ E	your function	gets proces Expand	
Get Record From user				eturn as <mark>user1</mark>
Conditional: If input: pe	ermission_requ	ired = member		
Then \checkmark $ riangle$ Precond	ition var: user	1.role = admi		
Else V + Add Fund				
Conditional: If input: pe	ermission_requ	ired = admin		
Then \checkmark $ hicksim heta$ Precond	ition var: user	rl.role = admi		
Else V + Add Fund				
	•	Add function		

To address this:

1. Implement a custom permission check function to validate user roles (e.g., User, Admin, Super Admin).

2. For all database queries, include conditions that reference the authenticated user's ID or related entities (e.g., company).

3. Set up appropriate data relationships to link users with the information they are authorized to access.

These steps ensure that users can only view and interact with data for which they have proper authorization, maintaining the security and integrity of your application.

 \bigcirc Walkthrough calling authenticated endpoints \rightarrow



Sensitive Data

This practice protects critical data such as PII, financial details, and other confidential information from being accessed by unauthorized individuals.

Implementing data masking helps in maintaining user privacy, complying with data protection regulations, and reducing the risk of data leaks. It is an essential measure for enhancing the security of data handling and ensuring that sensitive information is adequately protected. Data masking involves hiding sensitive data in both request histories and outgoing requests, making sure that sensitive information is not exposed inadvertently.



When a database field is marked as sensitive:

- The value of the field is automatically masked (e.g., replaced with *** or hidden) in the request history logs.
- This ensures that sensitive data such as personally identifiable information (PII), passwords, or credit card details do not appear in logs where they might be exposed to unauthorized viewers.



Websocket Security

Realtime can be defined as anything that enables your application to provide live updates inside your application. Behind the scenes, Realtime connections are powered by a Websocket server to maintain connections.

Read more about how Realtime works in Xano \rightarrow

Review these permission examples \rightarrow

Authentication

Our websocket authentication leverages the same JWE token that the API layer utilizes.

Permissions for channel access can be categorized as follows:

Anonymous Clients – can connect but cannot send messages.	Client Public Messaging – permits all clients to send messages to the channel, while Authenticated Only Messaging – restricts this to authenticated users.
Presence – allows all clients to see each other, with authenticated clients receiving additional details.	Client Authenticated Messaging – makes sure only authenticated clients receive messages, although anyone can connect.
Client Private Messaging allows direct messages between any clients present in the channel.	
	Authenticated Only Private Messaging restricts this to authenticated users.

These permissions operate independently despite potential logical dependencies.





Join Triggers

Join triggers enhance the security of websocket channels by adding custom authentication and permission checks when a user attempts to join a channel.

By leveraging join triggers, you can implement complex access control logic, ensuring that only users with the appropriate permissions can join specific channels.

Realti specif	me channel triggers execute a set of functions if a fied action occurs on the realtime channel	Description	
í	Triggers cannot trigger other triggers to prevent infinite loops. Therefore, if a trigger modifies a record in a table with another trigger set to run on	Active	
	record updates, the second trigger will not be activated by the modification initiated by the first trigger.	Add Tag	
		: Actions	
	me	Select which actions will initiate the tri	
	scription	 Message Any time a client initiated message has 	ppens in the ch
		☑ Join	

This helps in preventing unauthorized access and maintaining the integrity of the communication channels. Join triggers provide a flexible and powerful way to enforce security policies dynamically, protecting your application from unauthorized users.

Note: Realtime channel triggers execute a set of functions if a specified action occurs on the channel.

Message Triggers

Like join triggers, message triggers provide you the option to create custom logic via the function stack whenever a message is sent over a websocket channel to decide what happens when a message is sent.

Do you need to mask information? Restrict message delivery? This capability is important to enforce security and data integrity in real-time communications.



D 11		
specif	me channel triggers execute a set of functions if a fied action occurs on the realtime channel	Description
í	Triggers cannot trigger other triggers to prevent	
	record in a table with another trigger set to run on	Active
	record updates, the second trigger will not be activated by the modification initiated by the first	Add Tag
	trigger.	
Nam My I	e Realtime Trigger	Actions
		Select which actions will initiate the trigger function
Des	cription	☑ Message
		Any time a client initiated message happens in the char
		🗌 Join

With message triggers, you can implement actions such as data masking, content filtering, and delivery restrictions based on the sender's permissions and the content of the message.

This ensures that sensitive information is not exposed and that only authorized messages are delivered to recipients. Message triggers provide a granular level of control over websocket communications, enhancing the overall security and functionality of your application.

Read more about Xano triggers \rightarrow

Observation

Monitoring & Logging

Instance activity

The Instance Activity log, accessible through the Instance settings panel, provides a comprehensive record of various system events and changes. This log includes:



User Actions:

- Logins
- Connections

System Updates:

- Instance modifications
- Role-Based Access Control (RBAC) changes
- Team and Agency updates

Resource Management:

- Image uploads
- Custom domain changes

Administrative Tasks:

• License requests



This log enables administrators to track and review key actions and changes across the instance.



Compliance Center

The Compliance Center provides essential tools for monitoring and auditing each workspace:

Middleware and Trigger Overview

- Offers a comprehensive snapshot of middleware and trigger implementations across the workspace.
- Enables you to review the current architecture and security measures in place.

Version History Tracking:

- Records all changes made within the workspace.
- Serves as a detailed audit log for the entire workspace.



These features allow you to maintain oversight of your workspace configuration, security implementations, and change history, supporting compliance efforts and effective system management.

Read about the Compliance Center \rightarrow

API Request History

API Request history is automatically tracked and stored for 24 hours; this tracks all requests from both the custom-created endpoints in Xano and requests made via the Metadata API. You are able to filter these requests by User, Duration, Time, Status, and Input & Output size.



Request history is also available via a Metadata API endpoint, allowing for the automation of storing request history for extended periods beyond 24 hours if required. This requires you to set up a custom workflow.

Learn about API request history \rightarrow

Custom Logging

Xano allows you to create your own custom security logs in the database. For example, you might have a suspended user validation check implemented via middleware. Each time a suspended user attempts to access the system you can create a record in your database.



E security_log # 75						
< Back ③ Documentation						
ិ	器 Change View	Q Search 🛛 Filter 🖃 Sort 📎 Hi	de Fields (1) 🛛 🛠 🕛 🗅			
	\bigcirc created_at i	A function	윰 user_id	A ip		
	Jun 24, 2024 5:54 PM +	suspended_user_login_attempt	Lachlan lachlan@email.co			
	Jun 24, 2024 5:54 PM +	suspended_user_login_attempt	Michael michael@email.co			
	Jun 24, 2024 5:54 PM +	suspended_user_login_attempt	Michael michael@email.co			



External Monitoring

External monitoring tools provide real-time insights into errors, performance bottlenecks, and security threats, helping you proactively address issues.

Enhance security and performance by integrating these popular monitoring tools with Xano:



PostHog Analyze user behavior and detect suspicious activity

Sentry Track and fix errors with detailed insights New Relic Monitor app performance and detect anomalies

Datadog Correlate logs, metrics, and security signals

Connecting these tools takes some configuration, but we're actively working on native integrations to simplify the setup process.

 \triangleright Walkthrough on how to set up external testing \rightarrow



Recovery and Backup

Backups

Instance activity

Automatic Daily Backups:

- Frequency: Every 24 hours
- Retention: 3 days by default
- · Configurable backup time via policy settings

Manual Backups:

- User-initiated
- Extended retention: 90 days

Enhanced Enterprise Options:

- Improved backups up to point-in-time restore
 available
- Supports stricter compliance and disaster recovery requirements



Workspace

Xano provides two methods for workspace data management:

UI-Based Export:

 Exports configuration, database content (JSON), and optional media files

Metadata API Functions:

- Export schema (tables and branches)
- Export entire workspace with content
- Import schema into a new branch
- (optional: set live)
- Import and replace entire workspace



Metadata API Functions:

- Export schema (tables and branches)
- Export entire workspace with content
- Import schema into a new branch

- (optional: set live)
- Import and replace entire workspace

 \bigcirc Watch a walkthrough of Xano's Metadata API \rightarrow

Database

Xano provides two methods for managing individual table data:

In-App UI:

- Export table data as CSV files
- Import CSV files into tables
- Ideal for quick, manual data operations

Metadata API:

- Export / Import table data in JSON format
- Enables automated backup processes
- Suitable for regular backups and integrations

These options offer flexibility for various data management needs, from simple data transfers to automated backup routines.

Function Stack

Function stacks, used across APIs, Functions, Tasks, Triggers, Add-ons, and Middleware, feature a robust two-tier versioning system:

Change Tracking:

- Every individual change is logged
- Users can revert to any previous state

Version History:

- Users can publish the function stack, creating a new version
- Published versions serve as major checkpoints
- Any published version can be restored

ewing active version as compared to: < 3. Aug 1, 2024 8:56 AM +10:00 v >	4 Revertible Changes	Publish
✓ 2. Function stack		
Create Variable var: conversation_id - input: conversation_id		
05 edited		
♦ Create Variable vari system . You will be given a		
system = You-will-be given a user _ → System = You will be given a user _		
Conditional:If input: conversation_id = mult OR input: conversation_id = 0		
් added		
Create Variable var: response Var: func1.response.al_= jscn_decode		





This system provides granular control over changes and enables easy rollbacks, supporting both quick fixes and significant revisions across Xano's various components.

 \triangleright Watch the Function Stack walkthrough \rightarrow

Read more about backups \rightarrow

Security Processes

Security Processes to Perform

Read more about access controls \rightarrow

Use Secure Authentication Practices Review and Update Access Controls \rightarrow Use Role-Based Access Control (RBAC) to assign \rightarrow Enable two-factor authentication (2FA) for all the least privilege necessary for each user. users accessing the Xano environment. → Immediately revoke access for users who no → Rotate passwords and API keys regularly and longer require it, such as departing team members avoid sharing them. → Periodically audit user roles and permissions in Xano. Implement Data Backup and Recovery Plans Secure File Storage → Schedule automated backups of your data \rightarrow Use Xano's private file storage option for and workflows. sensitive or critical files. → Periodically test data restoration to verify that → Regularly audit stored files to remove backups are functional and up-to-date. unnecessary or outdated items. Educate and Train Team Members Use a Secure Network \rightarrow Train your team on secure practices, → Access the Xano environment through secure including recognizing phishing attempts and networks, such as a VPN. avoiding unsafe connections. → Avoid accessing Xano from unsecured public \rightarrow Share guidelines on securely managing sensitive Wi-Fi networks...



data within Xano.

Xano's Commitment to Security

Security Processes to Perform

Xano holds a comprehensive set of global certifications, attestations, regulations, and recognized frameworks confirming our unwavering dedication to data security, privacy, a nd compliance.



Security Standards & Regulations

Xano is a robust backend platform that streamlines the creation, management, and protection of data-driven applications. It involves multiple layers of protection, starting with rigorous physical security measures at data centers and extending to encryption of data both in transit and at rest. Xano follows strict access controls, conducts regular vulnerability assessments, and applies continuous monitoring to protect against emerging cyber threats.

Additionally, Xano's internal policies, employee training programs, and security audits align with international standards and regulatory requirements. Third-party validation through independent audits and regular reviews helps validate operational effectiveness and data protection capabilities. This disciplined approach demonstrates our commitment to maintaining the confidentiality, integrity, and availability of client data.

Our dedicated customer support and security teams stand ready to assist. Reach out to our team at https://www.xano.com/security/.

