



Supa Update May 2024

AW Ant Wilson  scratchx@gmx.com

 Ant Wilson
ant@supabase.com



Supabase Update — May 2024

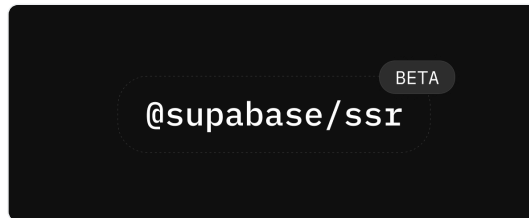
Hey ScratchX98 🙌

Supabase underwent Consolidation Month™ to focus on initiatives that improve the stability, scalability, and security of our products. We also have exciting product announcements that we can't wait to share. Let's dive in!

Consolidation Month™

We kicked off Consolidation Month (no it's not actually trademarked) during the month of May. During this time, every product team within Supabase addressed outstanding performance and stability issues of existing features. Here's a small subset of initiatives and product announcements as part of Consolidation Month:

Auth Launches @supabase/ssr for Better SSR Framework Support



The newly released @supabase/ssr package improves cookie management, developer experience, and handling of edge cases in various SSR and CSR contexts. We've added extensive testing to prevent issues that users experienced with the @supabase/auth-helpers package.

[Announcement](#)

pgvector v0.7.0 Release Features Significant Performance Improvements



pgvector v0.7.0 introduced float16 vectors that further improve HNSW build times by 30% while reducing shared memory and disk space by 50% when both index and underlying table use 16-bit float. The latest version also adds sparse and bit vectors as well as L1, Hamming, and Jaccard distance functions.

[Announcement](#)

Edge Functions Improves Memory Handling



The Edge Functions team has significantly reduced the error rate for functions encountering memory issues by implementing better safeguards. This has greatly minimized errors with the 502 status code. Additionally, status codes and limits are now documented separately.

[Status Codes](#) | [Limits](#)

Dashboard Supports Bigger Workloads as Projects Grow



The Supabase Dashboard is now better equipped to handle your projects, regardless of their size. We have implemented sensible defaults for the amount of data rendered and returned in the Table and SQL Editors to prevent browser performance issues while maintaining a snappy user experience.

[Announcement](#)

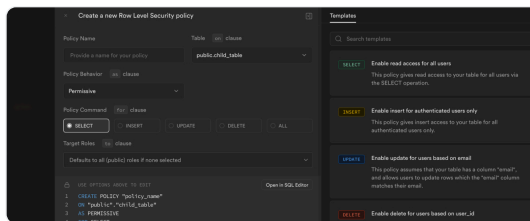
Realtime Standardizes Error Codes

Code	Description	Action
RealtimeDisabledForConfiguration	The configuration provided to Realtime on connect will not be able to provide you any Postgres Changes	Verify your configuration on startup as you might not have tables properly registered
TenantNotFound	The tenant you are trying to connect to does not exist	Verify the tenant name you connect to exists in the realtime table
ErrorConnectingToWebsocket	Error when trying to connect to the WebSocket server	Verify user information on connect
ErrorAuthorizingWebsocket	Error when trying to authorize the WebSocket	Verify user information on connect

Realtime now emits standardized error codes, providing descriptions of their meanings and suggested actions. This enhancement improves your error-handling code and helps to narrow down whether the issue lies with the database, Realtime service, or client error.

[Realtime Error Codes](#)

RLS AI Assistant v2



We've improved the prompt and output of our RLS AI Assistant by including best practices found in our RLS docs and upgrading to OpenAI's newest GPT-4o. We've also introduced numerous test scenarios to make sure you're getting the right security and performance recommendations by comparing parsed SQL with the help of pg_query.

[Pull Request](#)

