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grammY

Why grammY

TS-first Bot API client with built-in long-poll + webhook helpers, middleware, error handling, rate limiter.

Cleaner media helpers than hand-rolling fetch + FormData; supports all Bot API methods.

Extensible: proxy support via custom fetch, session middleware (optional), type-safe context.

What we shipped

Single client path: fetch-based implementation removed; grammY is now the sole Telegram client (send + gateway) with the grammY throttler enabled by default.

Gateway: `monitorTelegramProvider` builds a grammY `Bot`, wires mention/allowlist gating, media download via `getFile` / `download`, and delivers replies with `sendMessage/sendPhoto/sendVideo/sendAudio/sendDocument`. Supports long-poll or webhook via `webhookCallback`.

Proxy: optional `channels.telegram.proxy` uses `undici.ProxyAgent` through grammY's `client.baseFetch`.

Webhook support: `webhook-set.ts` wraps `setWebhook/deleteWebhook`; `webhook.ts` hosts the callback with health + graceful shutdown.

Gateway enables webhook mode when `channels.telegram.webhookUrl` + `channels.telegram.webhookSecret` are set (otherwise it long-polls).

Sessions: direct chats collapse into the agent main session (`agent:<agentId>:<mainKey>`); groups use `agent:<agentId>:telegram:group:<chatId>` ; replies route back to the same channel.

Config knobs: `channels.telegram.botToken` , `channels.telegram.dmPolicy` , `channels.telegram.groups` (allowlist + mention defaults), `channels.telegram.allowFrom` , `channels.telegram.groupAllowFrom` , `channels.telegram.groupPolicy` , `channels.telegram.mediaMaxMb` , `channels.telegram.linkPreview` , `channels.telegram.proxy` , `channels.telegram.webhookSecret` , `channels.telegram.webhookUrl` , `channels.telegram.webhookHost` .

Live stream preview: optional `channels.telegram.streamMode` sends a temporary message and updates it with `editMessageText` . This is separate from channel block streaming.

Tests: grammy mocks cover DM + group mention gating and outbound send; more media/webhook fixtures still welcome.

Open questions

Optional grammY plugins (throttler) if we hit Bot API 429s.

Add more structured media tests (stickers, voice notes).

Make webhook listen port configurable (currently fixed to 8787 unless wired through the gateway).