# SELF HOSTED
# REST API

# Current Limitation

- Reportheld operates internally only
- Manual checking of protocol progress
- No automation integration (e.g., n8n)

# Our Goal

- Acts as a secure bridge to Reportheld
- Exposes meaningful domain capabilities
- Preserves tenant and permission boundaries
- Enables real-time automation workflows

# Concept

External Tool (e.g, n8n)

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REST API (Validation + Security Layer)

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Reportheld (Core Domain Logic)

Webhook → External Tool (Real-time status updates)

# Endpoint

**POST /api/v1/protocol-executions**

Purpose:

- Allows external tools to initiate a protocol execution

Flow:

- External tool sends request (e.g, n8n)
- API validates API key and tenant
- Reportheld starts protocol
- The REST API listens to any protocol status changes and pushes authenticated webhook events to external tools.

# SECURITY & BOUNDARIES

- API Key Authentication
- Tenant Isolation
- Minimal Exposure

# EXCLUDED

- No protocol creation or editing
- No user management
- No raw database access
- No GET endpoints for now

# OPEN QUESTION

how does this API actually connect to Reportheld's real backend?

TY FOR LISTENING :))