

**MACHHUB**

Connect Once. Build Anything.

Industrial data platform

Perpetual licence

machhub.dev

DEVELOPERS AND CODING AGENTS

Your agent already speaks MACHHUB.

Twenty Agent Skills ship with the platform, on the standard your tools already read. Drop them into your agent's skills directory and Copilot, Cursor or Claude writes against the typed TypeScript SDK over collections, tags, historian, processes and permissions.

```
> subscribe the dashboard to line-02 and log every alarm
```

```
reading machhub-sdk-realtime/SKILL.md
```

```
copying templates/useTagSubscription.ts
```

```
writing src/lib/line02.ts
```

```
await sdk.tag.subscribe("line-02/#", (data, topic) => store.set(topic, data));
```

```
const rows = await sdk.collection("alarms").sort("raised_at", "desc").getAll();
```

20

AGENT SKILLS

SDK, framework and workspace
JSON, read on demand.

57

TEMPLATES

Working files the agent copies in,
not guesses at.

0

CONFIGURATION

Designer resolves the instance and
its connection URLs.

Svelte 5

React / Next.js

Vue 3 / Nuxt 3

Angular

Runes and form actions, App Router server and client components, composables and middleware, services and RxJS. Each framework carries its own skill and its own templates, so the framework stays your call.

Clone the skills. Point your agent at them.

Then ask your agent what MACHHUB skills are available.

docs.machhub.devgithub.com/machhub-dev/skills

Docs



Skills

Your code, where the data is.

PROCESSES

Python and TypeScript, each with their own package dependencies. Triggers: cron, interval, tag change, HTTP, manual. Inputs are tag reads and SQL queries; outputs are tag and SQL writes applied from what you return.

REAL TIME

The namespace is published on an MQTT broker on the node. Subscribe from the SDK or any client, wildcards included, and take the update as it lands.

COLLECTIONS

Typed fields, references with defined delete behaviour, declared indexes, file fields. Query building in the SDK. Schemas and records import and export as JSON.

NAMESPACE TOOLING

Auto-discovery, tag binding and unbinding, and bulk JSON data mapping with a dry run that validates a whole document without writing. Onboarding a site is a file you can diff and re-run.

APP RUNTIME

Ship your build to an application domain and the node serves it, with its own runtime and data boundary. Export the whole domain as a bundle and import it on the next site.

AUTH AND ACCESS

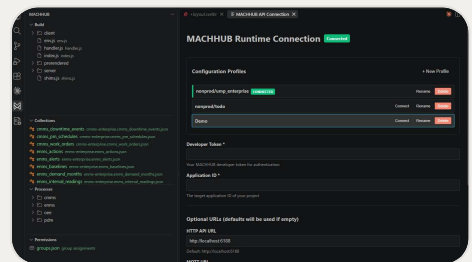
JWT sessions for the interface and the SDK, developer keys for machine to machine, and permissions declared per feature, action and scope, imported as JSON.

HISTORIAN

Ranged queries, chart queries and CSV export over tags recorded on event, deadband or a fixed tick, with retention set per tag.

NO SANDBOX TO REQUEST

Install MACHHUB on a gateway, server or on your own machine, point Designer at it from VS Code, and your first query hits live tags. No hard-coded key and account credentials in code. Upload and download project files and configurations to a MACHHUB runtime with a click.



Designer in VS Code, connected

ALREADY RUNNING IN PLANTS

A full-plant OEE and Andon system. A furnace line traceability and reporting system. An oven temperature and history system. A Warehouse management system. Built on this platform, in production now.

MACHHUB

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machhub.dev github.com/machhub-dev/skills



machhub.dev



Resources



GitHub