Platform Skills Library

AI targeted documentation to enhance models for specific tasks

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Find Skills

Explore

- Skill Display Construction
  - Skill Display Construction - Basics
  - Skill Display Construction - Canvas
  - Skill Display Construction - Dashboard
  - Skill Display Construction - HMI Symbol Choice
- Skill New Solution
- Skill Scripts Expressions
- Skill Open Existing Solution
- Skill Discovery Services
- Skill ML.NET
  - Skill ML.NET Anomaly Detection
  - Skill ML.NET Classification
  - Skill ML.NET Forecasting
  - Skill ML.NET Regression
- Skill MQTT Integration
  - Skill MQTT Device Module
  - Skill MQTT TagProvider
- Skill Edge ML Pipeline
- Skill Import Industrial Ontology
- Skill Export UNS as RDF
- Skill Generate UNS Visual
- Skill C# Foundations

AI Skills Library

Skills are AI playbooks — focused markdown documents that teach the FrameworX AI Agent how to build specific solutions. Unlike documentation pages written for humans, skills are written for Claude and contain step-by-step MCP tool calls, JSON payloads, and verification commands.

What Are Skills?

When you ask the AI assistant to build something in FrameworX — "set up alarms," "connect to MQTT," "add anomaly detection" — the assistant searches for a matching **skill** and follows its instructions. Think of skills as recipes: each one describes exactly what to create, in what order, with what settings, and what to check afterward.

Skills are different from every other type of documentation on this site:

Page Type	Written For	Purpose	Example
Tutorial	Humans	Learn by doing step-by-step	"Your First FrameworX Solution"
How-to Guide	Humans	Solve a specific problem	"How to Configure Modbus TCP"
Reference	Humans + AI	Look up properties and syntax	"AlarmsItems Table Reference"
Solution Example	Humans + AI	Complete working solution to study	"BottlingLine ML Demo"
Skill	**AI assistant**	**Step-by-step playbook the AI follows autonomously**	**"Alarm Pipeline — Groups, Areas, and Items"**

The key difference: you don't read skills yourself (though you can). The AI reads them, then executes the steps on your behalf using MCP tools like `write_objects`, `list_protocols`, and `get_table_schema`.

How it works

1. You ask: *"Add alarms to my solution"*
2. AI searches: `search_docs('alarm', labels='skill')`
3. AI finds: *Alarm Pipeline* skill
4. AI reads the full skill content
5. AI executes each step — creating groups, areas, items
6. AI verifies the result

Quick links

- Skill Authoring Guide — Write your own skill
- Skill Template Reference — Canonical template to copy
- AI MCP for Designer — How the AI connects to Designer

Find Skills

Official Skills (by Tatsoft)

These skills ship with the product and are maintained by Tatsoft. They cover the most common automation scenarios.

Skill	What It Does	Difficulty
First Solution — Tags, Simulator, and Dashboard	Build a working solution from scratch in 5 minutes	Beginner
Displays Construction	Build FrameworX displays	Beginner
Scripts Expressions	Server-side automation with Script Tasks and Expressions, reusable Script Classes, and client-side CodeBehind	Advanced
Edge ML Pipeline — ML.NET Anomaly Detection	Sensor tags ML model prediction tags alarms dashboard	Advanced
MQTT TagProvider Integration	Connect to MQTT broker, auto-discover topics, build asset-navigation UI	Advanced

User & Community Skills

Integrators and end-users can create custom skills that enforce company standards, project conventions, or industry-specific patterns.

Skill	Author	Purpose
Acme Corp — Tag Naming and Structure Standards	Acme Corp Engineering	Company-specific naming, hierarchy, and unit standards

Want to create your own? See the Skill Authoring Guide for the file format, testing steps, and publishing instructions. Or duplicate the Skill Template Reference page and start editing.

Three Tiers — How Skills Are Discovered

The AI searches for skills in three locations, in priority order. Higher tiers override lower tiers if a skill with the same name exists in multiple places.

Tier	Source	Location	Who Creates Them
1 — User	Your machine	`ProductPaths.Skills/skill-*.md`	You or your integrator
2 — Cached	Downloaded from Tatsoft	`AIKnowledge/skills/skill-*.md`	Tatsoft (auto-updated)
3 — Online	This documentation site	docs.tatsoft.com (pages labeled `skill`)	Tatsoft

Override rule: If you create a `skill-alarm-pipeline.md` in Tier 1, it replaces the official Tatsoft version. This lets you customize any skill without modifying the original.

Tier 3 works today — the AI searches this Confluence site for pages with the `skill` label. Tiers 1 and 2 require FrameworX 11.0+ with the local skills system enabled.

In this section...
