

Platform Overview (10.1.5 draft)

 **New for 10.1.5 (draft preview).** This is a preview of how the parent page will look in FrameworX 10.1.5 (planned April 2026). The parent page is the current 10.1.4 version. Content under review.

Explanation of concepts and architecture, understanding the platform.

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Find Topics of Interest

What's FrameworX

Create, Design and Run real-time applications (SCADA, HMI, MES, IIoT). A Unified engineering environment and a consistent runtime deliver all core modules under one project model.

Technology Foundation

Core technologies powering FrameworX - .NET 8, real-time databases, unified namespace, AI Ready by Design and modern UI frameworks. Understand why each technology choice matters for industrial automation

AI Integration

FrameworX provides practical AI capabilities for industrial automation" MCP tools for Runtime data and for Designer configuration, ML integration with .NET C# or Python, and GPTs assistant for help.

Industrial Ontology

First-class semantic metadata on every UserType, Tag, and member-def. Covers **RDF / OWL 2 / SKOS / ISA-88 / ISA-95 / IOF**. Import ontologies into your UNS, export to GraphDB, round-trip losslessly at the UserType level, and search semantically across Names, labels, and IRIs. The headline feature of 10.1.5.

Product Editions

From Edge to Enterprise - understand the scalability editions that allow FrameworX to deploy from small edge devices to mission-critical distributed systems. Choose the right edition for your requirements.

Architecture

System architecture, deployment patterns, and performance design. Learn how FrameworX achieves millisecond response times with enterprise-grade security through its distributed runtime architecture.

Security and Performance

Built on 100% managed .NET code, the platform delivers millisecond response times while maintaining defense-in-depth protection and full compliance capabilities

Why FrameworX

How FrameworX's unique combination of native drivers, unified architecture, and modern technology creates competitive advantages. See how these elements work synergistically to eliminate traditional SCADA limitations..

For Advanced Users and AI Models

If you have previous knowledge of FrameworX and needs he the Eagle view, with the comprehensive architecture review, or you to feed an AI chat session with the overall understanding the platform, use the following section for the Technical Reference [Platform Architecture Reference](#)

Aim high, start simple, scale without limits.