

ONESHEET

AVEVA™ InTouch HMI 2026

Explore the new enhancements in AVEVA InTouch HMI 2026, including UDT enhancements, modernized web architecture, stronger security, improved redundancy support, Python and C# scripting, intermittent connected experience support, and updated documentation access.

Engineering productivity and reuse

Python- and C#-based method members for UDTs

UDTs can now include method members implemented in Python or C#, allowing behavior to be defined once and reused consistently across instances.

Organize objects by alarm group hierarchy

UDT instances can be organized in a hierarchy that reflects alarm group structures, helping align engineering structure with operational alarm design.

Me.Tagname relative reference support

Scripts, expressions, and configurations can resolve tag references relative to the current UDT or derived object instance, reducing hard-coded paths.

Import UDTs and derived objects from OPC UA models

Structured models exposed by OPC UA data sources can be used to import UDT templates and instances, reducing manual configuration.

Web, graphics, and modernization

New web server implementation

InTouch Web Client now uses a new web server based on AVEVA's common web framework, aligning the architecture with OMI Web and CONNECT visualization.

Open XML import and export for industrial graphics

Industrial graphics can be imported and exported using an open XML format, enabling bulk editing, source control, and generative AI assisted development.

At least one fully functional web client session

Each InTouch runtime grants at least one fully functional web client session even without a web server license.

Improved smart symbol conversion

Legacy smart symbols can be converted to industrial graphics while retaining standardization and reuse patterns.

Security and administration

Develop without OS administrator privileges

Users can develop and manage InTouch applications without requiring Windows administrator rights on the machine.

Improved application folder security

Application folders now include improved access control to reduce the risk of unauthorized modification.

Secure credentials management

Applications and embedded controls now support the named credentials store, offering stronger protection of secrets and helping avoid clear-text storage of secrets in tags or scripts.

CRA-aligned security improvements

Security improvements, updated third-party libraries, stronger encryption support, and platform hardening enhancements help align the product with evolving Cyber Resilience Act (CRA) expectations and modern cybersecurity practices.

Connected experience intermittent connectivity support

Core on-prem functionality continues operating during temporary loss of connectivity to CONNECT, while cloud-dependent connected experience features are unavailable until connectivity is restored. The experience includes offline status visibility, fallback authentication support, deferred entitlement synchronization, and controlled time-bound offline operation.

Supported in-place .NET runtime updates

InTouch aligns with modern .NET runtime support and supports approved in-place .NET runtime updates underneath the product without requiring a product service pack. Supported .NET versions should still be confirmed against AVEVA guidance before updating production environments.

Historian, alarms, and redundancy

Dual historian support

InTouch can write historical data to two historians, improving availability for trending and reporting scenarios.

Reduced duplicate alarm records

Active-active redundant InTouch deployments reduce the risk of duplicate alarm records being written to AVEVA Historian.

Alarm and event historization with hot backup alarm manager

Alarms and events can be historized to AVEVA Historian using the hot backup alarm manager as the source.

Correct operator node from RDS sessions

Alarm acknowledgements from Remote Desktop Services sessions now correctly reflect the client device hostname instead of the RDS host.

Documentation

AVEVA help replaced with docs.aveva.com

Product documentation now directs users to docs.aveva.com, providing improved content discovery, modernized documentation workflows, and easier access to updated guidance and best practices.

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