Introduction to InduSoft Web Studio

Version 20.0
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Overview
The Vision

An open-standard based architecture, designed from the ground up with security in mind.
InduSoft Web Studio as an IoT Gateway and/or HMI/SCADA node

Cloud Analytics and Mobile Access
- analytics, consolidation, artificial intelligence (AI), machine learning (ML),
- remote management/deployment, remote notifications and monitoring

Edge devices
- data acquisition, data manipulation (aggregations, filtering, contextualization, normalization), link with the cloud, local maintenance, local operation

Instrumentation and Controllers
- operational real-time control, raw data measurements
Main Benefits

- Portability
- Mobility
- Interoperability

Productivity
Reliability
Security
Value Proposition

Easy, simple, and powerful

InduSoft Web Studio is an easy-to-use, powerful, and affordable HMI/SCADA software and IoT/Industry 4.0 solutions for PCs, industrial panels, embedded & mobile devices.

Develop your project once ➔ Deploy and run it anywhere

Linux, Windows CE/Mobile, Windows Embedded, Windows Desktop and Server Editions, among others.
Investment Protection and greater ROI

100% Compatibility with applications designed in previous versions

Evolve protecting your investment!

1997
InduSoft Web Studio 1.0
Windows NT
Windows 95
Windows CE

2020
InduSoft Web Studio 2020
Windows 10
Windows 10 IoT Enterprise
Windows Embedded Standard 7 / 8
Windows Embedded Compact 7 / 6 / 5
Linux
Vertical Markets

Any vertical market, any application
Main Features and Competitive Advantages
Native tools for SCADA, HMI, and IoT solutions

Comprehensive, Mature, Innovated and fully integrated
OEM-focused template-driven solution

- Leverage unique capability that reduce drastically the engineering cost for multiple deployments.
- Design asset-agnostic and site-agnostic templates.
- Provide flexibility to customize templates during the runtime (on-the-fly).
Modular Architecture

Flexibility

Layer of abstraction for Communication
Layer of abstraction for Databases/ERP
Layer of abstraction for Hardware/OS Platforms
Layer of abstraction for proprietary systems (APIs)

InduSoft Web Studio
Portability

Develop once, deploy anywhere

DEVELOPMENT (IDE)

• Scalable in functionality
• Scalable in footprint (support for embedded devices)
• Scalable in platforms (hardware-agnostic)
Mobility

Native Thin Clients

- **Secure**: Native secure connection with built-in encryption and authentication
- **Portable**: Access information for PCs, Tablets, Smart Phones, and wearable devices
- **Flexible**: Consume information from Web Browsers or dedicated Apps (AVEVA Mobile Access)
- **Customizable**: Custom user interface for each persona, based on their roles (lenses)
- **Scalable**: Auto screen scaling for different screen sizes and orientations
- **Interoperable**: Connectivity directly to Edge devices (e.g.: intranet WiFi - LAN) as well as to the cloud-based system (internet - WAN)

Mobile Access Thin Client

- Plug-in free
- HTML5 interface
- Platform agnostic
- Multi-use devices

Secure Viewer Thin Client

- Ability to prevent operator from closing or switching from the application.
- Dedicated devices (runtime-line user experience)
Interoperability

OT+IT native integration

Native built-in drivers (connectors) for 100+ protocols

HTTP/HTTPS REST

Plant Floor Integration
Schneider-Electric, OMRON, GE, AllenBradley, Siemens, Modbus, Profinbus, DeviceNet, Beckhoff, MQTT, SparkplugB, OPC UA/DA/XML, and many others...

Open Architecture
System Integration
Product Customization

Over 240 Protocols (Drivers)

Cloud and IT Integration
Email, data, and page interface from mobile devices

Mobile Access and Web Solution
Access to the system from anywhere using a single browser

Enterprise
Excel, Access, Oracle, MySQL, Sybase, SQL Server, SQL Azure, AVEVA Historian, AVEVA Insight, AVEVA Integration Studio, and many others...

Driver & Database API

OPC UA, DA, .NET, XML

TCP/IP OPC Server Gateway

XML ODBC/ADO DDE

Web (HTML & XML)
Unique, state of art Database Integration

Patented solution

• Easy configuration, not requiring scripts
• Native integration with AVEVA Historian on premises
• Native integration with AVEVA Insight on the cloud
• Native integration with any SQL Relational Database
• Native Store-and-forward configuration
• Native Redundant configuration
• Native historization of Process Data (Trend)
• Native historization of Alarm notifications
• Native historization of Process Events
• Support for third-party providers OLE-DB, ADO.NET, ADO, and ODBC
Import Wizards

Reduces drastically engineering cost to modernize projects with InduSoft Web Studio

Rockwell® FactoryTalk™ ME/SE

Rockwell® PanelBuilder32

EATON® PanelMate

Cost-effective method to modernize leveraging past engineering investments
Licensing

Flexible, simple, affordable

- All features available in any license (i.e.: license does not restrict features)
- Any license supports at least one concurrent Thin Client. Additional Thin Clients available for purchased individually.
Key takeaways
Key Takeaways

Your success is our success

COMPREHENSIVE AND EASY TO USE
Mature, robust, reliable solution with native interfaces and tools to provide a high level of productivity

FLEXIBLE AND OPEN
Native Portfolio Integration and support to standards and extensibility for 3rd-party system integration.

SUSTAINABLE AND AFFORDABLE
Continuously evolving with flexible commercial models that suit your needs.
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