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Designing AVEVA InTouch HMI application for web clients

Brian Martin - Technical Sales Consultant







Brian Martin

Technical Sales Consultant

AVEVA

brian.martin@aveva.com





Topic for this session

Introduction (What is InTouch Web)

Architecture

The Introductory Demo

What works

What doesn't work

Example(s) Demo

Workspaces

Call to Action (Try your apps)



What is it?

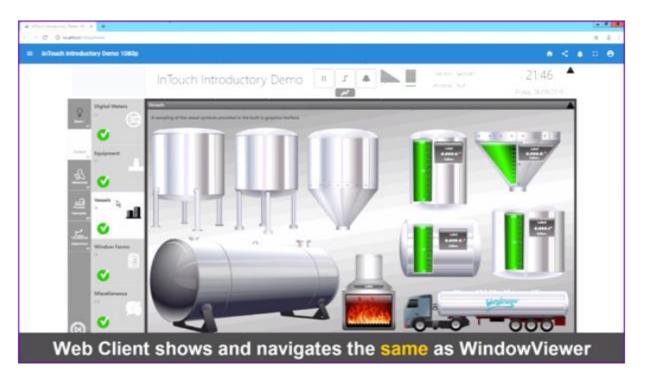
InTouch Web Defined



Web HMI has come to InTouch

Empowering All InTouch Customers with native Web Capability

- Window Viewer user experience in Web Client with minimal footprint.
- Backwards compatibility with InTouch application (stand-alone, modern, managed)
- Extending the Window Viewer navigation & experience to the native web browser
- Localization Support (German, Japanese, French, Simplified Chinese)
- Higher Scalability for large scale deployment

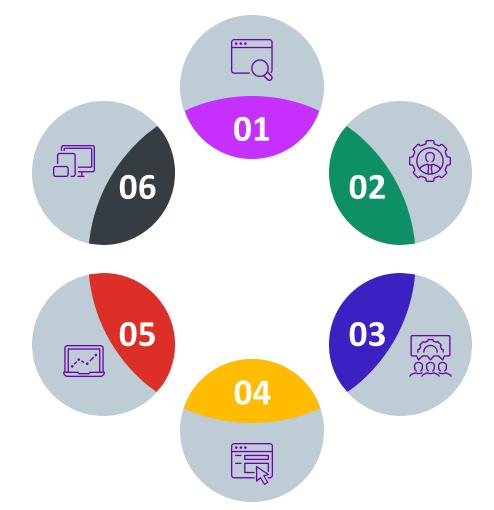




InTouch Web Client Key Benefits

Simply works out-of-box without any re-engineering!

- Access plant floor data using any HTML5 browser from any device
- Display real-time and historical data from InTouch HMI or System Platform
- Simple configuration. No Programming. Use existing Navigation or Simply point to folder with the selected graphics



- The InTouch Web Server can run on both Microsoft Windows Server or Workstation OS
- No IIS web server or Remote Desktop Services (RDS) required
- Zero client installation. No IT administration required!



Architecture Review

What are the pieces and where do they fit



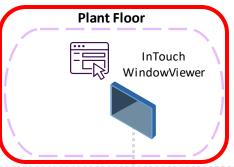
Reference Architecture

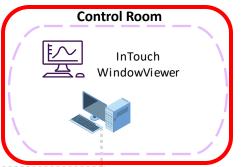


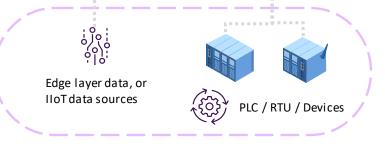














Using The Introductory Demo

The Existing Demo Application Designed for The Web Client

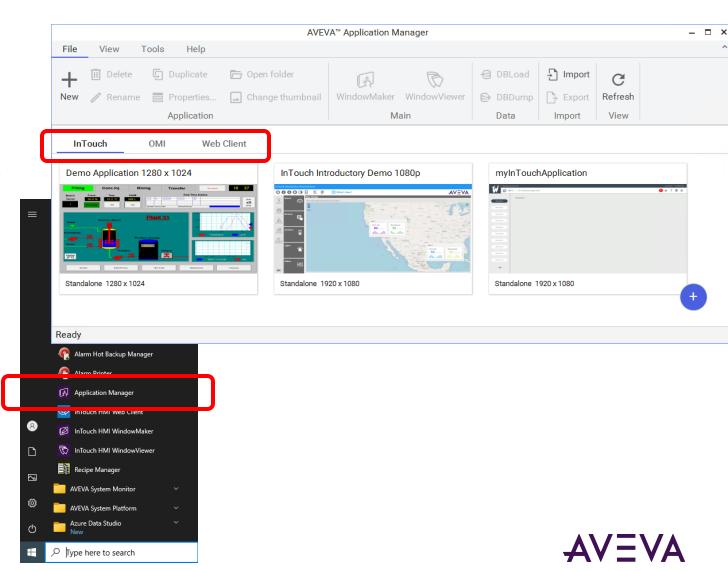




Starting InTouch Web Server

Using InTouch Application Manager

- From the Start Menu Select
- Application Manager will Start
- First time you will see the default applications
 - Demo Application 1280 x 1024
 - InTouch Introductory Demo 1080p
- There are 3 Tabs
 - InTouch (the default)
 - OMI
 - Web Client
 - Switch to Web Client



Checking the Web Client

Start and Stop Client

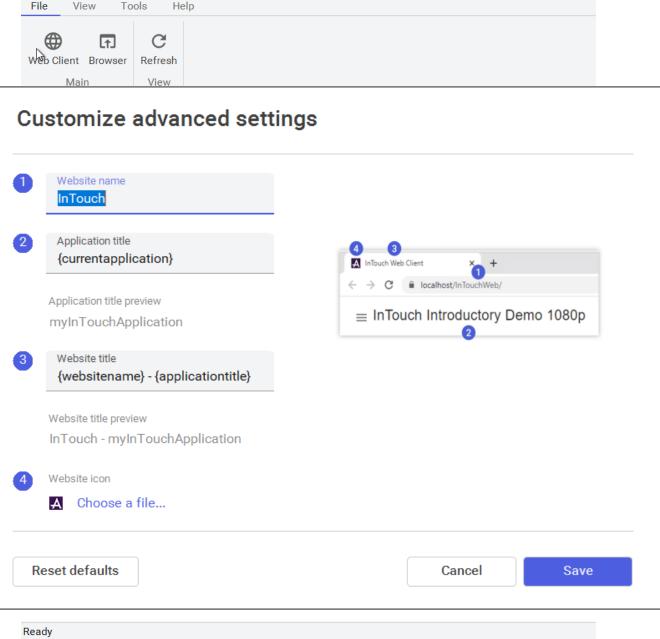


<-Running



<-Not Running

- Select Current Application
 - List shows all applications that are available
 - Intro demo designed specifically for InTouch Web
 - Select Intro Demo and Save
 - Leave all other defaults
- Settings can be customized
 - Click to customize button to change settings
 - Notice keywords
 - Notice ability to reset to defaults



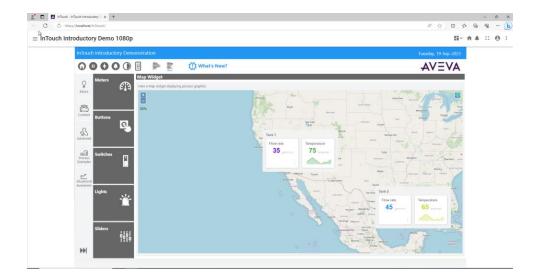
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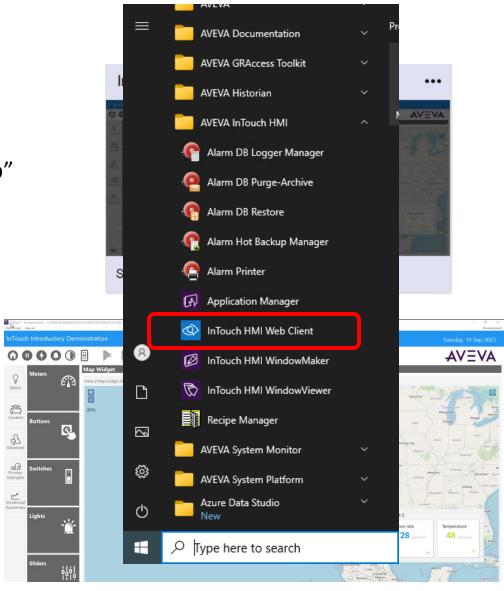
Run the Introductory Demo

Designed for Web

- Launch WindowViewer into the "InTouch Introductory Demo 1080p"
- WindowViewer Starts
- Select "InTouch Web Client" from the Start Menu









Questions to Ask Yourself or The Application Developer

- When was the application last updated?
- Are there controls used in the application?
- Are there custom script functions?
- Does each session need its own memory tags or are they shared?
- What type of security do you need?
- Structure for the User.
 - Built in Navigation
 - Folder organization



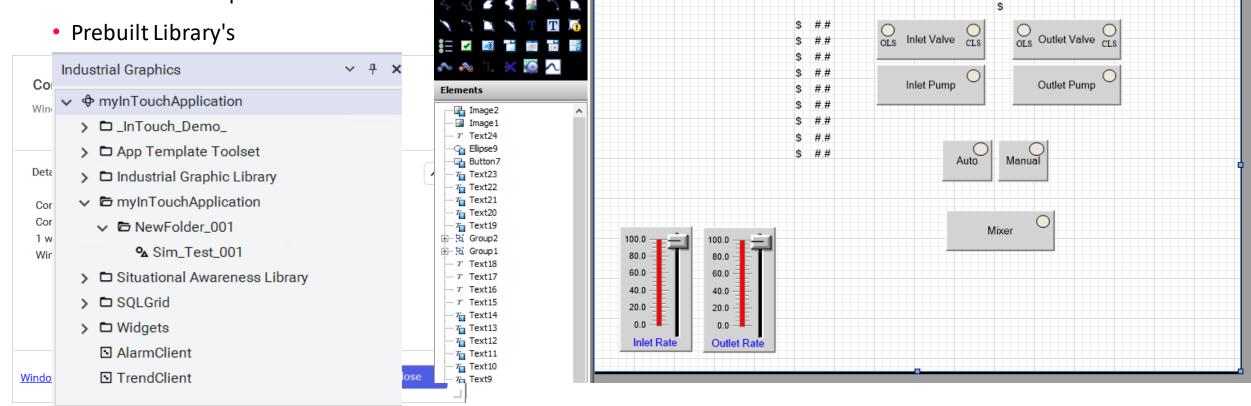
What Works

Not all objects can render in the web client, so what works?



Industrial Graphics

 InTouch Windows can Be Converted to Industrial Graphics



Simulation Testing

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V B Z U A A A □ + 2 + 6 + A + = + = + = + = + 1 + None

Sim_Test_001 - English (United States)

Graphic Edit View Arrange Format Special Help

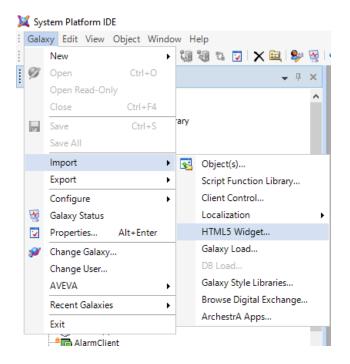


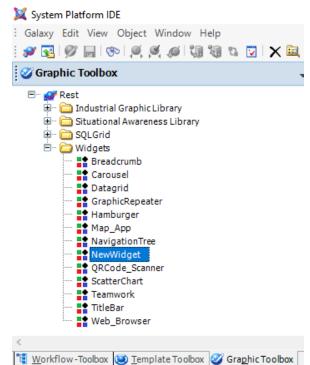
intouchservera

Web Widgets

What they are and how to use them

- HTML5 Applications That Execute and Render in a Browser
 - Out of the Box
 - Custom
- Can be Imported
- Can Be Used to Replace Some Legacy Control Functionality
- Can Be Created Using Toolkit







What Doesn't Work

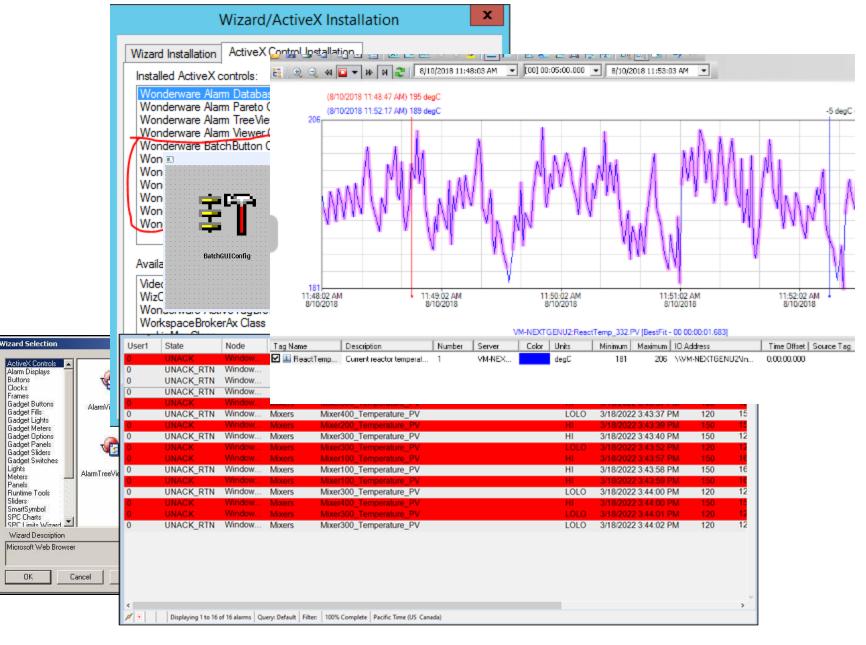
Not all objects can render in the web client, so what doesn't work?



Legacy Controls

Not Web Friendly

- GOT Objects
- ActiveX Controls
- .Net Control
- WPF Controls





Demo Examples

Extending the reach and getting everyone InTouch



Standard Workstation

Workstation Running Windows Operating System





Now In A Browser

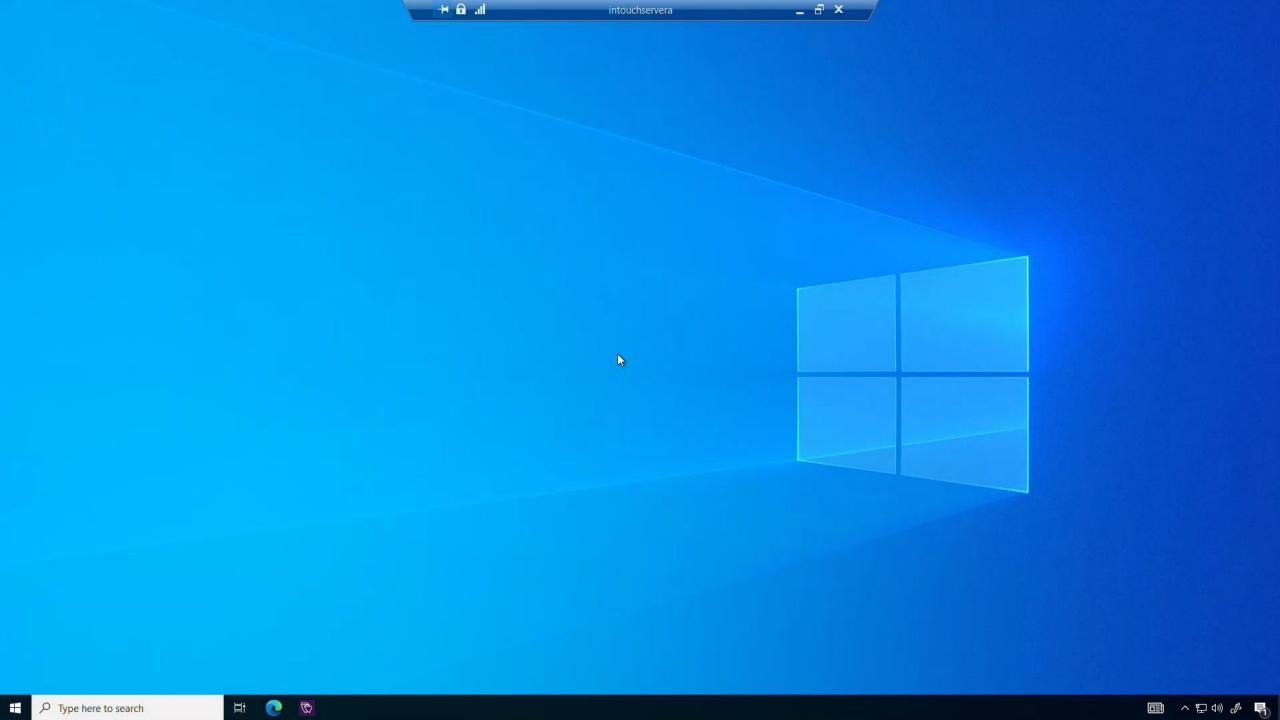
Any HTML5 Compatible Browser





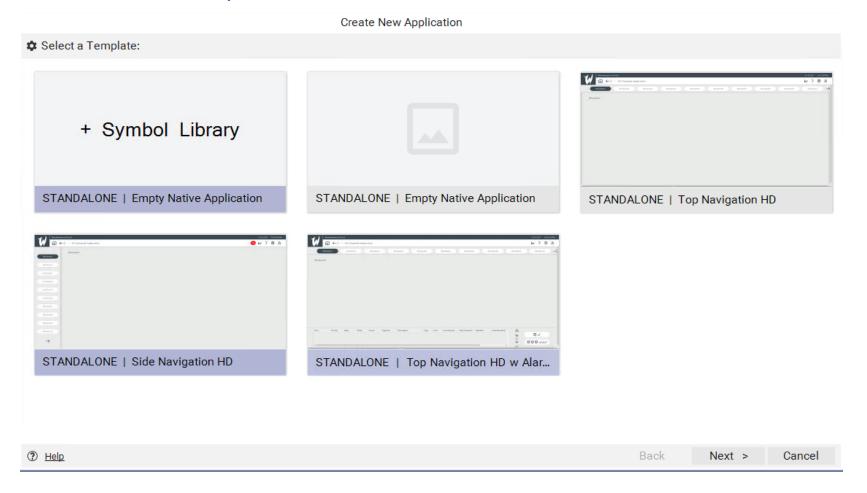






InTouch Application Templates

Leverage Out-of-the Box Tools\Materials













Overview

Reactor_System

Sim_Test

Reactor31

Window4

WaterProcess

TankFarm

ProcessOverview

CarouselWidget

Trends

AlarmSummary









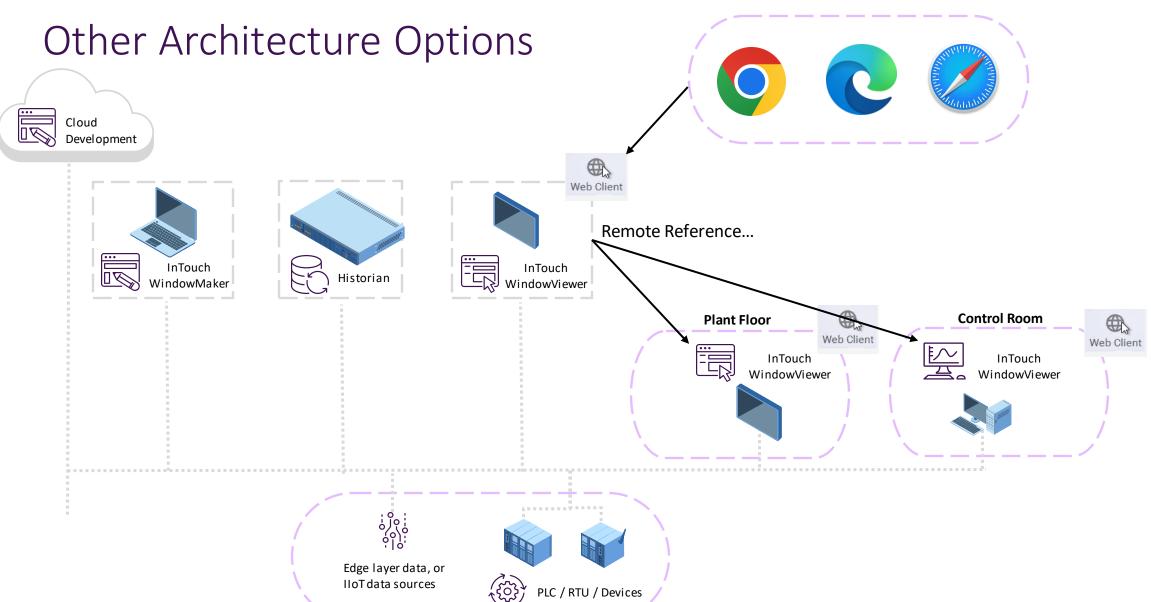














Workspaces

Users can create their own dashboards



Conclusion

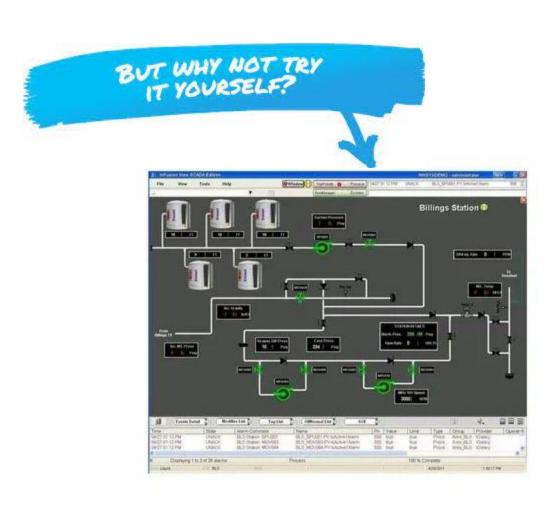
Your call to action



InTouch Web Summary

The Facts

- No Installation Needed
- Works with any HTML5 Browser
- Works with Legacy InTouch with Modifications
- Supports Read Only and Read\Write Functionality
- Works with Windows Domain Security
- Also works with System Platform
- Can be used for a multi-node consolidated server
- Includes Personal Workspaces





Questions?

Please wait for the microphone. State your name and company.



Please remember to...

Navigate to this session in the mobile app to complete the survey.





Thank you!

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