Integrate InTouch Edge HMI with Wonderware Historian through Trend worksheets

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Agenda

- Overview
- Live Demonstration
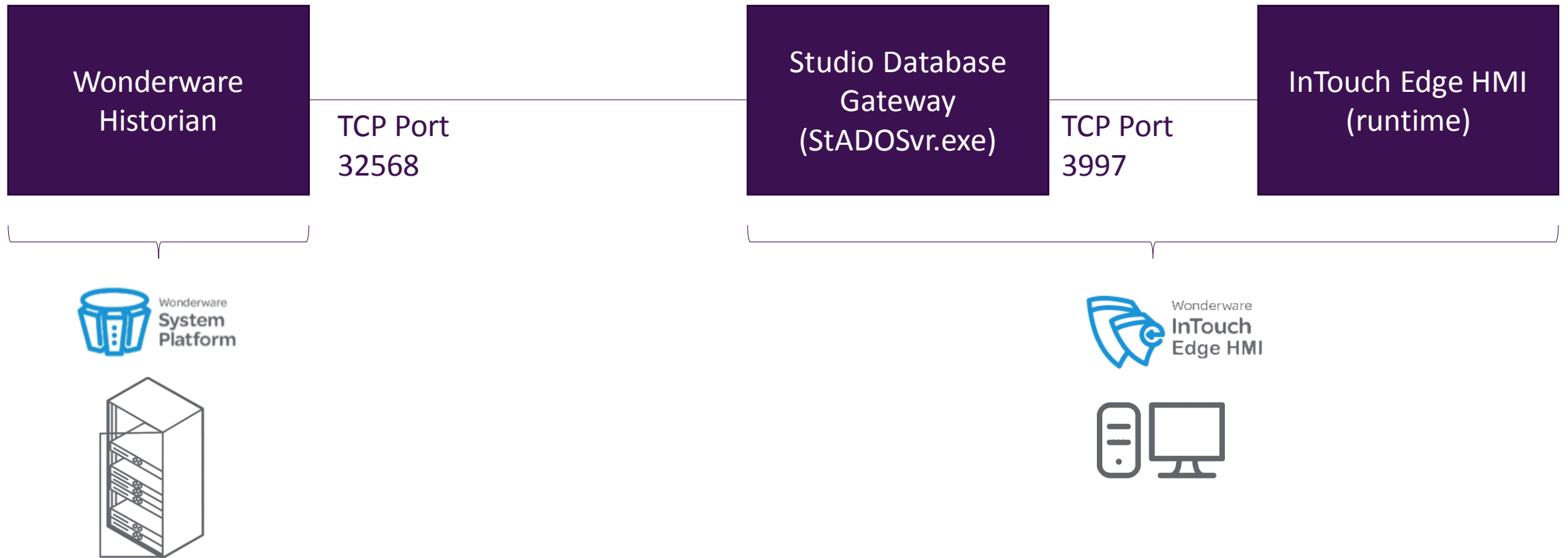- Review and Summary

Overview

InTouch Edge HMI provides native integration with Wonderware Historian through the Trend worksheets available on InTouch Edge HMI tasks configuration.

It supports System Platform 2012R2 or newer, and InTouch Edge HMI 2014R2 (v8.0+SP1) or newer.

System Platform
Enterprise SCADA System
(Wonderware Historian)

TCP/IP

InTouch Edge HMI
Local SCADA - PC

InTouch Edge HMI
Local HMI – Embedded Panel

Windows 10
Windows 8
Windows 7
Windows Server 2016
Windows Server 2012
Windows Server 2008 R2

Windows IoT
Linux
Windows Embedded 8 Standard
Windows Embedded Compact
Windows Embedded Standard 7
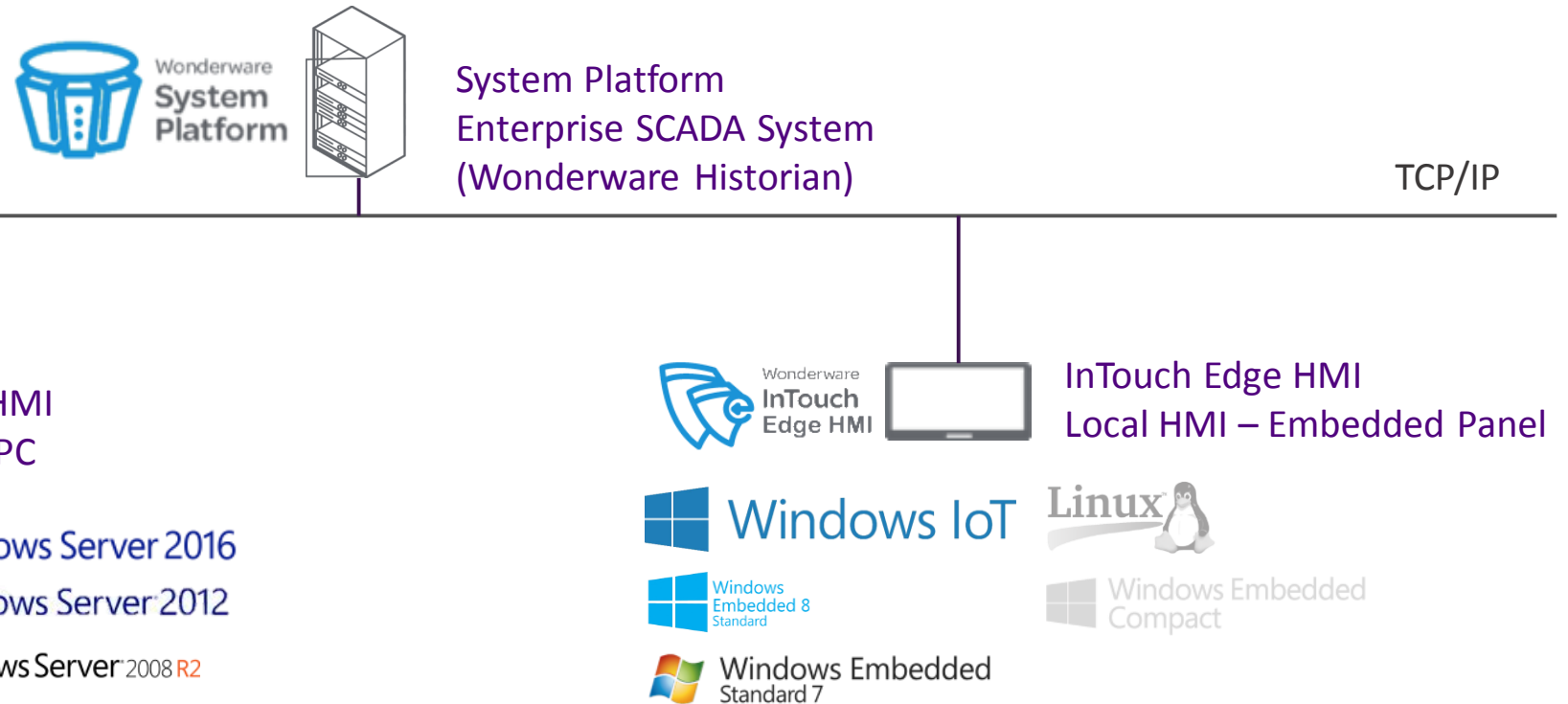
* IotView (runtime for Linux/VxWorks) and CEView (runtime for Windows CE) do not support native integration with Wonderware Historian on premise.

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Architecture

Live Demonstration

- Tutorial: Showtime!

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Review and Summary

- Troubleshooting tips

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Review and Summary

- Install

  - System Platform / Wonderware Historian, along with Microsoft SQL Server database

  - InTouch Edge HMI

- Configure

  - Wonderware Utilities > Configurator: Historian > Server, Historian > Security, Historian > Search

  - InTouch Edge HMI: Trend worksheet(s)

- Check

  - Link between InTouch Edge HMI station and Wonderware Historian station through TCP port 32568 (by default)

  - Link between InTouch Edge HMI runtime (Background task) and the Studio Database Gateway (StAdoSvr.exe) through the TCP port 3997 (by default)

  - Wonderware Historian Status through System Management Console (SMC) > Historian > Historian Group > [Station Name] > Management Console > Status

  - Authentication settings configured in the InTouch Edge HMI trend worksheet matches the settings configured under Wonderware Utilities > Configurator > Historian > Security

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Thank you.

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