T35 - What’s New in Visualization
Visualization Hardware
Portfolio Overview and Positioning

Increasing features & performance

PanelView 800
- Optimized for compatibility with Micro800® and MicroLogix™ controller
- Design and configure with CCW
- Panel-mount display devices
- Connectivity to L1 controllers

PanelView Plus 7
- Runs FactoryTalk® View Studio Machine Edition software
- Closed-platform provides a robust machine interface
- Ethernet communication
- Mobile Enabled

PanelView 5000
- Runs Studio 5000 for enhanced integration with Logix
- Reduced development time
  - Scalable vector graphics
  - Advanced animation
  - Logix based alarms
- Ethernet communication

MobileView
- Runs FactoryTalk® View Site Edition Software
- Open-platform flexibility of Windows® operating systems
- Industrial and extreme environment options available
- Scalable performance options and form factors to meet a wide variety of applications
Agenda

PanelView Plus 7 and PanelView 5000 Graphic Terminals

Second Generation MobileView Graphic Terminals

Industrial Computers

ThinManager Software

Studio 5000 View Designer

FactoryTalk View ME / SE
PanelView Plus 7 Performance
Stainless Steel

- IP66, NEMA 4X, CE, UL
- Stainless Steel 304 bezel
- Replaceable blue food-grade silicone gasket (FDA 21 CFR 177.2600)
- Conformally coated (ISA 71.04 G3)
- Brandless only units on 9” W and 12” W
- Target industries: Food and Beverage

Released in Summer of 2017

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>9” Widescreen terminal</td>
<td>2711P-T9W22D9P-BSHK</td>
</tr>
<tr>
<td>12” Widescreen terminal</td>
<td>2711P-T12W22D9P-BSHK</td>
</tr>
<tr>
<td>9” Replacement Panel Gasket</td>
<td>2711P-RGST9W</td>
</tr>
<tr>
<td>12” Replacement Panel Gasket</td>
<td>2711P-RGST12W</td>
</tr>
</tbody>
</table>
PanelView 5000 Family of Graphic Terminals

SMART

- On-screen, high-speed HMI buttons
- Intuitive navigation menu
- Runtime error notification
- Cell phone, tablet and PC remote connectivity through VNC*
- PDF reader permits loading of equipment and operator manuals within applications*
- Removable media provides ability to load projects without development software*

* With December 2017 v4 Release of View Studio Designer
PanelView 5000 Family of Graphic Terminals

PRODUCTIVE
- Scalable vector graphics
- Advanced graphic animation capabilities
- Centralized alarms in the controller
- Preconfigured banner, alarm summary and diagnostic displays
- Multilanguage support for global applications
- Library of Rockwell Automation® faceplates*
- Emulation capabilities*

* With December 2017 v4 Release of View Studio Designer software
PanelView 5000 Family of Graphic Terminals

SECURE

- Role-based security provides screen-level access control for each project
- Security options on individual graphic elements allow for customized access
PanelView 5000 Family of Graphic Terminals
Major Releases through 2018*

Releases to Date

PanelView 5500 terminal with View Studio Designer
- All new EOI Platform
- For new applications leveraging 5370 / 5480 / 5570 / 5580 controllers
- Advanced development environment
- Enhanced levels of productivity

PanelView 5310 terminal with v4 View Studio Designer
- Addition to PanelView 5000 family of graphic terminals
- Targeted at mid-size and smaller applications not requiring a haz loc rating
- For new applications leveraging 5370 / 5480 / 5570 / 5580 controllers
- New v4 features

PanelView™ 5510 terminal
- Replaces PanelView 5500 terminal
- Next Gen Hardware featuring a dual core processor
- Runs v4 and v5 + future generation software
- For new applications leveraging 5370 / 5480 / 5570 / 5580 controllers

PanelView™ 5510 terminal
- Compatible with PanelView 5310 and 5510 terminals
- Provides multi-controller support for PanelView 5510
- Increased screen and alarm count
- Logix tag-based alarms
- Recipe Management

* Future dates are tentative.
PanelView 5500

MODERN DESIGN

- For larger applications
- 6.5”, 9”W, 10.4”, 12”W, 15”, 19”
- 1.66 GHz Processor, 512 MB RAM, 1 Gb Flash
- Runs v4 and earlier View Studio software (will not run v5 Software)
- Resistive touch screen with navigation button and keypad options
- Low profile aluminum bezel
- Device Level Ring (DLR) Ethernet
- DC and AC power options

Currently Available
MODERN DESIGN

- For mid-size and smaller applications
- Same core features as PanelView 5500 terminal
- 6”*, 7”W, 9”W, 12”W
- 1.46 GHz Processor, 1 Gb RAM, 4 Gb Flash
- Runs v4 and newer View Studio software
- Touch screen only with aluminum bezel
- Single port Ethernet
- DC power

* 6” unit available mid 2018

Available December 2017
New hardware

- 6.5”, 7”W, 9”W, 10.4”, 12”W, 15”, 19”
  - Same sizes / types as PanelView 5500 terminals
- 1.46 GHz dual-core processor, 1 Gb RAM 4 Gb Flash
- Runs v4 and newer View Studio software
- Device Level Ring (DLR) Ethernet
- DC

PanelView 5510 will replace PanelView 5500

Available
Second Half of 2018
# PanelView 5000 Family Comparison

<table>
<thead>
<tr>
<th>Specifications</th>
<th>PanelView 5310</th>
<th>PanelView 5500*</th>
<th>PanelView 5510*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operator Input</td>
<td>Touch only</td>
<td>Touch (all), Navigation Button (all), Keypad (optional)</td>
<td>Touch (all), Navigation Button (all), Keypad (optional)</td>
</tr>
<tr>
<td>I/O</td>
<td>1 USB Host, one USB Device (programming), SD Card</td>
<td>2 USB Host, one USB Device (programming), SD Card</td>
<td>2 USB Host, one USB Device (programming), SD Card</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>IP66/NEMA 12/13/4x</td>
<td>IP66/NEMA 12/13/4x</td>
<td>IP66/NEMA 12/13/4x</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>0…50˚C</td>
<td>0…55˚C Under 19” 0…50˚C 19”</td>
<td>0…55˚C Under 19” 0…50˚C 19”</td>
</tr>
<tr>
<td>Certifications</td>
<td>c-UL-us, CE, KC, RCM, EAC</td>
<td>c-UL-us, CE, UL Class 1/Div 2, ABCD KC, RCM, Planned: Marine, EAC</td>
<td>c-UL-us, CE, UL Class 1/Div 2, ABCD KC, RCM, Planned: Marine, EAC</td>
</tr>
<tr>
<td>Power Options</td>
<td>DC (Non-Isolated)</td>
<td>AC or DC (Isolated)</td>
<td>Isolated DC Only</td>
</tr>
<tr>
<td>Communications</td>
<td>10/100 Ethernet (Single Port)</td>
<td>10/100 Ethernet DLR (dual-port)</td>
<td>10/100 Ethernet DLR (dual-port)</td>
</tr>
</tbody>
</table>

* Note: PanelView 5500 terminal will receive a hardware upgrade and will be renamed PanelView 5510
### Specifications PanelView 5000 Family Comparison

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<th>PanelView 5500*</th>
<th>PanelView 5510*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-Version Support</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>(Ability to install and run multiple versions of configuration software side by side)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application Limits with V4</td>
<td>1 controller, 50 screens, 1000 alarms</td>
<td>1 controller, 100 screens, 1000 alarms</td>
<td>1 controller, 100 screens, 1000 alarms</td>
</tr>
<tr>
<td>Resize Application on Download</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>ControlLogix® Controller Compatibility</td>
<td></td>
<td>ControlLogix® 5570 (v27+) / 5580 (version 29+)</td>
<td></td>
</tr>
<tr>
<td>CompactLogix™ Controller Compatibility</td>
<td></td>
<td>CompactLogix™ 5370 (v27+) / 5380 (v29+) / 5480 (v31+)</td>
<td></td>
</tr>
</tbody>
</table>

* Note: PanelView 5500 will receive a hardware upgrade and will be renamed PanelView 5510
### New Studio 5000 View Designer V4 Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>PanelView 5310</th>
<th>PanelView 5500</th>
<th>PanelView 5510</th>
</tr>
</thead>
<tbody>
<tr>
<td>Document and Content Viewers</td>
<td>-</td>
<td>PDF</td>
<td>PDF</td>
</tr>
<tr>
<td>Terminal Emulator</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Remote Access / Connectivity</td>
<td>VNC</td>
<td>VNC</td>
<td>VNC</td>
</tr>
<tr>
<td>Trending</td>
<td>Real-time and historical</td>
<td>Real-time and historical</td>
<td>Real-time and historical</td>
</tr>
<tr>
<td>Data logging</td>
<td>Local Only</td>
<td>Local Only</td>
<td>Local Only</td>
</tr>
<tr>
<td>Faceplates - Device</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Load from Removable Media</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Proposed New Studio 5000 View Designer V5 Features (subject to change)</td>
<td>PanelView 5310</td>
<td>PanelView 5500*</td>
<td>PanelView 5510</td>
</tr>
<tr>
<td>-------------------------------------------------</td>
<td>----------------</td>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Recipe</td>
<td>Yes</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Application Limits</td>
<td>1 controller, 50 screens, 1000 alarms</td>
<td>-</td>
<td>4 controllers, 500 screens, 1000 alarms</td>
</tr>
<tr>
<td>Logix tag-based Alarms</td>
<td>Yes</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Web browser</td>
<td>-</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Video Player</td>
<td>-</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Alarm log viewer</td>
<td>-</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Auto logout</td>
<td>Yes</td>
<td>-</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* Note: PanelView 5500 will receive a hardware upgrade and will be renamed PanelView 5510
PanelView Plus 7 and PanelView 5000 Graphic Terminals

Second Generation MobileView Graphic Terminals

Industrial Computers

ThinManager Software

Studio 5000 View Designer

FactoryTalk View ME / SE
Second Generation MobileView

- MobileView terminal with illuminated E-stop
  - ThinManager compatible (all terminals)
    - Reduced price, dedicated thin client terminal available
  - E-stop illuminated red when E-stop is active
- Select from three accessory cables: 5 m, 10 m, 15 m
- Two new IP65 junction boxes with E-stop bridging and Box ID
  - For use with second generation MobileView terminals only*
  - 10 second window to insert bridge connector or MobileView terminal
  - Cable gland termination
  - On-Machine™ connectors for use with standard Allen-Bradley® cord sets (to be released in first quarter of 2018)
  - TÜV SIL 3 certified

* MobileView first and second generation junction boxes work only with matching generation terminals

Released In Fall of 2017
Second Generation MobileView

- USB port
- 3 position enabling switch
- 5 m, 10 m, 15 m cable with “quick connect” connector
- Optional software assignable function keys
- 10” wide screen (1280x800)
- Released in Fall of 2017
- Hardwired illuminated E-stop
Agenda

PanelView Plus 7 and PanelView 5000 Graphic Terminals

Second Generation MobileView Graphic Terminals

**Industrial Computers**

ThinManager Software

Studio 5000 View Designer

FactoryTalk View ME / SE
6181X Hazardous Location Computer

- Updated Series H Next Generation Hardware
- Extreme Environment Computer rated -20–70°C
- UL Class 1, Division 2, ATEX, IECEx rated
- Maintenance-free fanless design
- Available with a 12” Integrated Display or Non-Display Model
- Optimal for Environmentally Challenging Industries
  - Oil & Gas
  - Energy and Power Generation
  - Mining and Metals
  - Water/Wastewater

Released in Fall of 2017

12” Integrated Display Model
## 6181X Series H Upgrade

<table>
<thead>
<tr>
<th></th>
<th>Series F/G 6181X</th>
<th>Series H 6181X</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Core Duo 1.2Ghz</td>
<td>i3-5010u 2.1Ghz</td>
</tr>
<tr>
<td>RAM</td>
<td>4GB (4GB max)</td>
<td>8GB (16GB max)</td>
</tr>
<tr>
<td>SSD</td>
<td>16GB</td>
<td>128GB</td>
</tr>
<tr>
<td>Operating System</td>
<td>WinXP, Win7 32bit</td>
<td>Win7, Win10 64bit</td>
</tr>
<tr>
<td>Display</td>
<td>12in 800x600</td>
<td>12in 1024x768</td>
</tr>
<tr>
<td>Certifications</td>
<td>UL C1D2/ATEX/IECEEx</td>
<td>UL C1D2/ATEX/IECEEx</td>
</tr>
<tr>
<td>I/O</td>
<td>4 USB 2.0, 2x RS-232, 2x Gigabit Ethernet, CompactFlash, DVI (single video output), PCI slot</td>
<td>4 USB 3.0, 2x RS-232, 2x Gigabit Ethernet, CompactFlash, DVI &amp; DisplayPort (dual video output), PCI-Express x1 slot</td>
</tr>
</tbody>
</table>
VersaView Portfolio

- VersaView 5100 Monitors
- VersaView 5200 Thin Clients
  - Integrated display panel thin clients and non-display thin clients
- VersaView 5400 PCs
  - Integrated display non-display computers and non-display PCs

Innovative open architecture and modern design
VersaView 5400 Industrial Computers

- Intel Atom Bay Trail Quad Core (E3845), 4 GB RAM, 128 GB SSD
- Windows 7/WES 7/Windows 10 IoT Enterprise 64 bit operating systems
- Fanless with no moving parts, no battery design for increased reliability
- Ideal for 21 CFR part 11 applications when combined with FactoryTalk View Site Edition

### Integrated display computer

- Single external display support (DisplayPort)
- Edge-to-edge glass widescreen multi-touch capacitive display
- 12”, 15”, 19” and 22”
- 22” is full HD 1920x1080

### Non-display computer

- Dual external display supports (VGA + DisplayPort)
- Small form factor
- Multiple mounting options
Available I/O Ports

- DisplayPort to DVI, VGA, and HDMI adapters available
- All systems are 24V DC – an optional external AC/DC adapter will be offered
VersaView 5100 Monitors

- Uses the same modern design and cutout sizes as the VersaView 5400
- Widescreen 10-point multi-touch capacitive display
- Edge-to-edge glass design for easier cleaning
- Combine monitors with any Allen-Bradley® non-display industrial computer to create an efficient computing solution
VersaView 5200 Panel Thin Clients

- Integrates with ThinManager® software for efficient centralized management
- No operating system for increased application flexibility
- Industrial grade components suitable for harsh environments

Additional Models Releasing in First Half of 2018

Integrate ThinManager software into a robust industrial thin client
Agenda

PanelView Plus 7 and PanelView 5000 Graphic Terminals
Second Generation MobileView Graphic Terminals
Industrial Computers

ThinManager Software

Studio 5000 View Designer
FactoryTalk View ME / SE
Using ThinManager with VersaView 5200

Centralized servers host applications.

ThinManager provides secure configuration and delivery of content to any combination of device, user and location.

Deliver sessions to multiple monitors and/or virtual screens on a single thin client.

Deliver content to the right person at the right time and place.

Get mobile access to applications specific to a user’s role.

Manage & deliver virtual desktops while running PCs as a thin client.

PanelView Plus Remote Desktop to HMI (via VNC)

Access feeds from USB & IP cameras.

ThinManager can easily assign content to users. This allows applications to follow a user as they move from terminal to terminal.

Deliver applications based on what is assigned to the terminal or user.
ThinManager Securely Delivers Content

Content Types
- HMI
- MES
- CMMS
- ERP
- Web Content
- IP/USB Cameras
- Terminal Shadow
- PanelView Plus

Windows Based

VNC

DELIVER CONNECTED ENTERPRISE CONTENT IN 3 WAYS

- By Device
- By User
- By Location

Devices
- Thin/Zero Clients
- Mobile Devices
- PCs

Users
- Individuals
- User Groups

Locations
- Facility
- Lines/Areas
- Assets/Devices

Safely and securely deliver Content to any combination of Device, User and Location.
MultiSession and Tiling

• Delivering more than one content type to a terminal

Example:
• 2 FactoryTalk® View SE client instance
• 1 FactoryTalk® View ME instance
• 1 PanelView™ Plus Terminal Shadow
MultiMonitor

1. Left monitor:
   - 2 FactoryTalk View SE client instances
   - 1 FactoryTalk View ME instance
   - 1 PanelView Plus shadow

2. Right monitor
   - 1 FactoryTalk VantagePoint instance
   - 1 IP Camera
Virtual Screening

- Evolution of MultiMonitor
- Similar to tiling, but layout is configurable
- Each Virtual Screen behaves like a physical display
- Tiling is supported within each virtual screen
- Can configure virtual screen swapping and full screen
- Content overlays fully supported
Location Based Mobility

Relevance

• Mobile Devices are managed exactly the same way as thin clients in ThinManager.

• Each Location can be assigned content as well as a Location Resolver.
  • QR Codes
  • Bluetooth Beacons
  • WiFi Access Points
  • GPS

• Location content can be geo-fenced to physically limit where the content can be accessed.

• Example: QR Code on PLC panel is scanned by mobile device and an instance of Studio 5000 Logix Designer® is delivered to the tablet with the correct ACD file automatically opened.
Agenda

PanelView Plus 7 and PanelView 5000 Graphic Terminals

Second Generation MobileView Graphic Terminals

Industrial Computers

ThinManager Software

Studio 5000 View Designer

FactoryTalk View ME / SE
Modern Design & Productivity

- Add-on graphics (AOG)
  - Create and instantiate AOGs
  - Browse to AOG properties when creating an AOG
- Multi-version support
  - Multiple versions of Logix controllers (V27 & later)
  - Multiple versions of Studio 5000 View Designer
- Browse into screen property members when creating a re-usable screen
- Copy screens with parameters between View Designer instances
- Configurable popup background color
- Windows 10 support
- Project properties as a modal dialog

Enhanced Logix Integration

- AOG properties tied to Logix data types
- Language switch Logix extended tag properties (descriptions, etc.) and Logix alarm messages
- Expanded hardware support
- ControlLogix 5580 and CompactLogix™ 5380 controller support – V29 and later. (Delivered first in V2.03)

Improved Run-time Experience

- Navigation menu captions
- Runtime language switching
## New Studio 5000 View Designer® V4 Features

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<td>Load from Removable Media</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</table>
Overview

- Log data on the PanelView 5000 terminal and display that historical data on a trend
- Up to 250 tags can be logged
- Up to 3 different data logs (rates)
- Records are stored in a circular log
- Logs are stored on an SD card in the PanelView 5000
- Logs can be exported in CSV format to a USB flash drive using a predefined Settings screen

New Data Logs folder in Project Explorer supports up to 3 different logs for different tags and rates.

Tags can be logged as fast as every 500 msec

Each log can be configured for different sample rates, durations, and tags.
Overview

- No trend configuration is required to display logged data
- If a trend trace is bound to a tag which is also logged, the trend will automatically show historical data if the trend is panned to a time where no real-time data exists for that tag
- Trends show historical data immediately when the screen is displayed, allowing for quick identification of problems
Overview

- PanelView 5000 Emulator allows you to virtually commission a project without requiring a physical PanelView 5000 terminal.

The emulator launches with a “skin” matching the PanelView 5000 terminal you configured for your project – including functional keypad buttons.

New Emulator to Controller Path lets you define a unique path to a controller for emulation – it does not have to be the same controller used by the physical terminal.

To test your project, just click the Emulate button on the toolbar.
Overview

- Add PDF content to your View Designer projects and easily display content on HMI displays
- Easily display help files on the HMI
- PDF files can be launched to specific page numbers to quickly provide operators the information they need
- PDF will get ‘packaged’ with the PV 5000 application – is deployed with the project
Overview

• The PanelView 5000 terminals use a built-in VNC server to support a remote VNC client for monitoring and troubleshooting

• Passwords can be configured to allow full read/write access or read-only access only to VNC client users who enter the correct password

• A new Settings screen can be used at runtime to further lock down the PanelView 5000 to disallow VNC access or limit it to read-only access if desired

• A new system tag indicates if a VNC client is connected
Overview

• Save a View Designer project as a runtime image that can be copied to a USB flash drive or an SD card which can then be inserted into the PanelView 5000 terminal

• A new Settings screen on the PanelView 5000 can be used to select the desired runtime image file and initiate a download to the terminal

• Optionally, you can choose to use the “HMI to controller” path configured as part of the runtime image file or continue to use the path configured in the existing project currently running on the PanelView 5000

• Makes it easier to send an updated project to a location where you might not know the exact controller path
Overview

- Easily monitor and troubleshoot Rockwell Automation devices from your PanelView 5000. Initial set of faceplates include:
  - CIP Motion Drives
    - Kinetix 5700, 5500, 6500, 350 & PowerFlex 527, 755
  - Variable Frequency Drives
    - PowerFlex 755, 753, 525
    - ArmorStart 284E, ST 284E, LT 294°
  - E300 Electronic Overload Relay
  - Starters
    - SMC-50 Soft Starters
    - ArmorStart 280E, 281E, ST 281E, LT 290E, LT 291E
  - Enhanced PID instruction
- Faceplates will be available via PCDC when View Designer V4 ships.
- Additional faceplates will continue to be added.
Agenda

PanelView Plus 7 and PanelView 5000 Graphic Terminals
Second Generation MobileView Graphic Terminals
Industrial Computers
ThinManager Software
Studio 5000 View Designer
FactoryTalk View ME / SE
V9 SE New Trend Control: Trend Pro

Overview
New feature rich, native trend control

Data Sources
• Live Data
• View SE datalog
• FT Historian data source

Benefits
• Leverages the VantagePoint trend control which provides market leading capabilities, without requiring VantagePoint to be part of the system
• Easy runtime configuration
• Easy drag & drop ad-hoc trending
• Statistical and Sampling calculations
V10 SE Trend Pro: FT Alarm data source

Overview
New data source added to TrendPro. Data Sources now include:

- Live Data
- View SE datalog data sources
- FactoryTalk Historian
- NEW! - FactoryTalk Alarms and Events – ability to add alarm history and display alarm events on trend

Benefits

- Optimized display of event information with real-time and historical data on the trend
- Easy to add both ad-hoc at runtime and design time
- Helps troubleshooting efforts

Release information subject to change
Overview

- Save ad-hoc trends to the HMI server
- Recall from any other client

Benefits

- Ad-hoc trends created for troubleshooting can be saved by one operator and available to all others.
- Saved as part of the HMI project via backup & restore
- Supported by redundancy
Overview
• Embed web page content directly on HMI screens
• Supports modern HTML5 technology

Benefits
• No need for an external browser
• Aggregate visual content from different sources on a single HMI screen
• Choose the control from the drawing toolbar
• Easier to configure and maintain

Content originating from a website, like VantagePoint
V10 SE Recipe Management

Overview
- Runtime recipe control from FT ViewPoint:
  - Select
  - Preview
  - Download

Benefits
- Mobile access to recipes
- Native HTML format optimized for web browsers on desktop or mobile devices
V10 SE ThinManager Integration

Overview
• Pass-through login from ThinManager to launched FT View SE clients
• SINGLE SIGN ON

Benefits
• Login once from ThinManager, even if multiple ViewSE clients are launched
V10 SE Redundancy Enhancements

Overview

• Copy from primary to secondary @ initial creation automatically
• Replicate active to standby, even if the active server is the secondary
• Runtime changes made to the secondary are not lost
• Restart services @ replicate automatically w/o reboot
• Save project edits to both servers
• Reduces the need for formal replication
• Force failover programmatically
• Via command or in View Studio
• Better display of redundancy status at runtime
• As a function or display status
• FTAE: improved uptime and alarm annunciation behavior during redundancy change over events
V10 SE ASM Multi-Monitor Framework

Overview
• Native integration of multi-monitor support within a single client
• Configured in the client setup file
• Inspired by the SSB Multi-Monitor tool
• Supports up to 6 monitors natively

Benefits
• Easy configuration of additional monitors on a per-client basis; saved in the .cli file
• Not dependent on the application
• Easy drag of content to different monitors
• Still uses a single client license and one .cli file
V10 SE Logix Tag based Alarming

Simple alarm setup and configuration

- Single environment – deploy alarms when creating control elements in Studio 5000 Logix Designer
- One place to go to add and configure alarms
- One click to add alarms from the objects definition
- Pre defined alarms on every object
- Allow users to select alarms for each instance

Benefits

- Seamless integration to FTAE system and HMI display controls
- No additional software configuration

Available in Logix 5380, 5480, & 5580 family of controllers (V31)
V10 SE Mobile Alarm History

Overview
• See FTAE alarm history on your web browser through ViewPoint Mobile interface
• Shows up to 10,000 historical events

Benefits
• Allows user to analyze alarm history from any FTAE Historical database defined in the system.
• Easy configuration of time span
• Quick filter by string entry
V10 SE/ME Reduced Microsoft SQL Footprint

Overview
- Adopt Microsoft SQL “Local dB” technology
- ‘Hides’ usage of Microsoft SQL from user; similar to old WATCOM database usage

Benefits
- Reduces customer fear and uncertainty over using a “SQL Server”
- Reduces number of Microsoft SQL Server instances in a facility

Release information subject to change
V10 ME Improved Legacy Project Support

Overview

- Recover design-time Tag dB from run-time Tag dB
- Open 5.00, 5.10, and 6.00 projects on a PC running a 64-bit OS using FT View Studio 10.00, and v6.10-v9.00 via patch

Benefits

- Better legacy project support
- Eliminate need to maintain a PC running 32-bit OS for sole purpose of migrating projects

Release information subject to change
Overview
• Store up to 10,000 actions on device
• View history using Audit Trail List
• View single entry detail using Audit Trail Detail
• Capacity tags can be used to generate alarms

Benefits
• Use FactoryTalk View Machine Edition in applications requiring regulatory compliance such as US 21CFR Part 11 or EU Annex 11
• No requirement for FactoryTalk AssetCentre