

What's New in FactoryTalk® AssetCentre v13.00?

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January 2024



PUBLIC

Agenda

1

FactoryTalk®
AssetCentre
Summary

2

FactoryTalk®
AssetCentre
v13.00 Features



FactoryTalk[®] AssetCentre Summary



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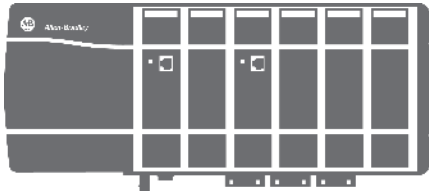
Modern Industrial Automation Control Systems (IACS)

Industrial organizations have

100s or 1000s

OF AUTOMATION ASSETS

PHYSICAL, PROGRAMMED, AND CONFIGURED COMPONENTS



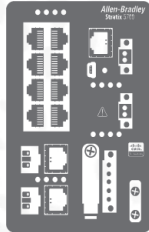
Automation controller programs



Human machine interface configurations



Drives, motion, robot configurations



Ethernet switch configurations

Trends accelerating need for IACS device management

Large, complex networks require coordinated enterprise-wide management

Market Trends

Demand from customers for facility or enterprise-wide coordination

Lack of available workforce is creating a need for automated systems

Technology Trends

More facilities and automation assets require centralized tools to effectively manage assets

Highly intelligent devices require more frequent firmware & security updates. Decentralized management can be inefficient and costly

Increased connectivity and cloud-based offerings

Regulatory Trends

Quickly evolving laws, standards, and executive orders some with financial implications for non-compliance

Critical that devices are kept up to date to deliver performance and safety

The explosion of intelligent devices in operations drives the need for enterprise asset-management solutions

Quickly evolving and ever-changing cybersecurity environment



Executive Order 14028
12May2021



Cyber Incident Reporting for Critical Infrastructure Act



ISA/IEC 62443



NIST Cybersecurity Framework



U.S. Department of Homeland Security Transportation Security Administration 6595 Springfield Center Drive Springfield, Virginia 20598	
SECURITY DIRECTIVE	
NUMBER	Security Directive Pipeline-2021-01
SUBJECT	SENSITIVE SECURITY INFORMATION
EFFECT	
EXPIRA	
CANCEL	
APPLIC	
U.S. Department of Homeland Security Transportation Security Administration 6595 Springfield Center Drive Springfield, Virginia 20598	
NUMBER	Security Directive Pipeline-2021-02
AUTHO	
SUBJECT	
LOCATI	
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EFFECT	
EXPIRA	
CANCEL	
APPLIC	
U.S. Department of Homeland Security Transportation Security Administration 6595 Springfield Center Drive Springfield, Virginia 20598	
NUMBER	Security Directive Pipeline-2021-02C
SUBJECT	
EFFECT	
EXPIRA	
CANCEL	
SUPERS	
APPLIC	
U.S. Department of Homeland Security Transportation Security Administration 6595 Springfield Center Drive Springfield, Virginia 20598	
SECURITY DIRECTIVE	
NUMBER	Security Directive Pipeline-2021-02D
SUBJECT	Pipeline Cybersecurity Mitigation Actions, Contingency Planning, and Testing
EFFECTIVE DATE	July 27, 2023
EXPIRATION DATE	July 27, 2024
CANCELS AND SUPERSEDES	Security Directive Pipeline-2021-02C
APPLICABILITY	Owners and Operators of a hazardous liquid and natural gas pipeline or a liquefied natural gas facility notified by TSA that their pipeline system or facility is critical



Shields Up Program



Presidential Directives

Protecting Critical Infrastructure Security and Resiliency (PPD-21)



FactoryTalk® AssetCentre

CHANGE AND VERSION MANAGEMENT



DISASTER RECOVERY



LIFECYCLE MANAGEMENT



OPERATOR TRACK AND TRACE



SYSTEM SECURITY



Centrally manage automation asset information

- Manage versions of programs, files, and folders
- Control who can access programs, files, and folders
- Automate backup of automation assets
- Periodically query Logix architecture controllers detecting critical security changes
- View report of detected differences
- View Rockwell Automation® product lifecycle status information for your plant floor devices
- Detect changes in deployed plant floor devices
- Audit user actions – Who did what, when, where?
- Ad-hoc reporting associating users, assets, and program changes
- Help prevent unauthorized access to make changes
- Help prevent unauthorized users from creating versions

Solution architecture and scalability

FactoryTalk® AssetCentre scales in two ways:

Capabilities that are added to the FactoryTalk® AssetCentre server ex. Disaster Recovery for Rockwell Automation

Asset Capacity, the number of physical devices FactoryTalk® AssetCentre is managing

Files and folders in the Archive do not count against asset capacity

FactoryTalk® AssetCentre Server

Governs the system's operations

FactoryTalk® AssetCentre Client

Configuration & view system operation & reports

FactoryTalk® AssetCentre Agent

Perform backup, compare & search operations

FactoryTalk® Directory / Security

Common security provider for all FactoryTalk® components

Microsoft® SQL Server

Hosts FactoryTalk® AssetCentre database



FactoryTalk® AssetCentre



Multiple servers



Client



Multiple agents



Agent 1 Agent 2 Agent 3

FactoryTalk® AssetCentre agents can be added to handle systems with higher asset count

FactoryTalk® AssetCentre proof-point

Large dairy Producer




CHALLENGE

- Unable to produce the seamless data necessary to continuously improve operations
- Milk processing facility with manual data collection and hardware near End of Life

SOLUTION

- **FactoryTalk® AssetCentre:**
 - **Single tool for managing, versioning and tracking automation asset information**
 - **In case of failure, a system backup is available**
- FactoryTalk® View Site Edition converts reams of data into actionable information
- FactoryTalk® Metrics improves OEE by providing performance data and production benchmarks
- FactoryTalk® VantagePoint® offers a centralized data source that automatically provides reporting and dashboards based on users' needs

RESULTS

-  **ELIMINATED** needs for investment in new equipment by discovering over 33 hours of additional production time per year
-  **REDUCED** 48 hours per year of system backup and version control
-  **AVOIDED** 2,500 hours of manual data collection per year
- 30% REDUCED** lube consumption by creating benchmark reports and estimating the benefits of new hardware



What's New in FactoryTalk[®] AssetCentre v13.00?



PUBLIC

Feature summary

FactoryTalk® Services Platform v6.40

**FactoryTalk® Services
Platform v6.40
CPR9 SR14 Software**
Released Nov. 2023



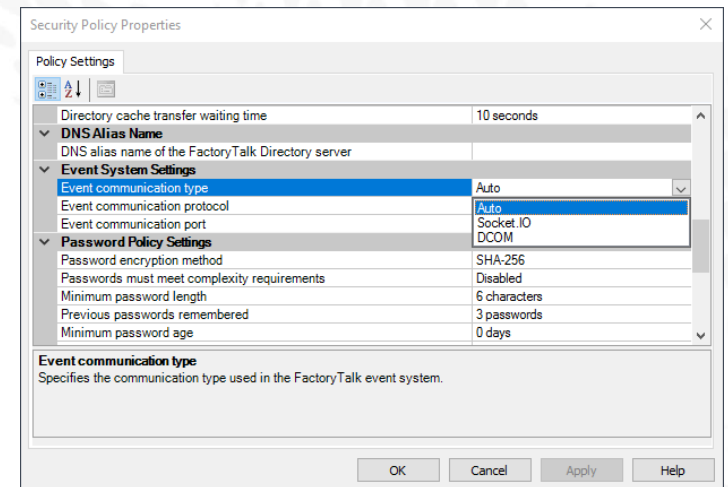
- Increased system resiliency
- Improved system management
- Minimizing attack surface (Hardening)
- Expanded environment
- Socket.IO parallel channel in place of DCOM
- Azure-based authentication
- Identity Management provider integration
- Reduce security attack surface
- CIS Benchmark certification
- Larger system configuration

Improved System Resiliency

FactoryTalk® Services Platform Modernization

- Socket.IO communication channel for FactoryTalk® Directory Sync and Eventing
 - All FactoryTalk® Directory operations support the Socket.IO channel
- Socket.IO channel provides
 - Increased throughput
 - Scalability
- FactoryTalk® Directory Server uses **both** Socket.IO and DCOM events (default)
 - The system is configurable to accept **only** Socket.IO or **only** DCOM
 - When set to **only** accept Socket.IO connections, older FactoryTalk® Directory clients will be unable to connect to the FactoryTalk® Directory

Socket.IO-based communication offers an alternative to DCOM improving system performance and resilience

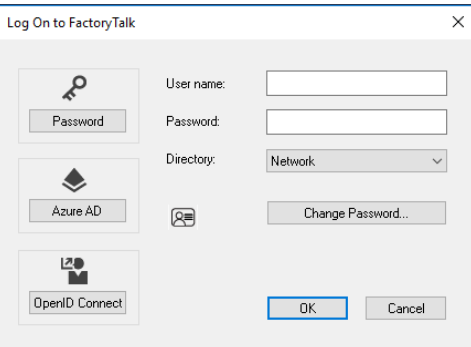


Multi-factor Authentication (MFA) in FactoryTalk® Security

FactoryTalk® Services Platform Modernization

Azure AD authentication

- Integration with Microsoft Azure enabling cloud-based MFA authentication
 - Microsoft authenticator
 - One-time phone code via SMS
 - Voice call
 - Security tokens
- Support Azure AD (AAD) and Azure AD Directory Services (AADS) groups
- New Azure-linked group type added

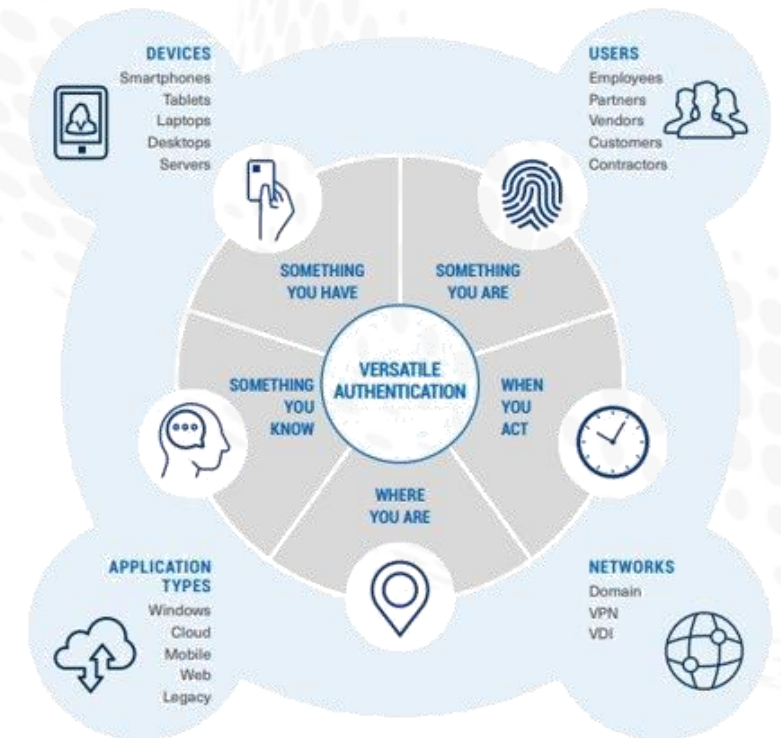


On-premises authentication

- On-premises MFA is not built in to Active Directory
- Integration with OpenID Connect Identity Providers enabling on-premises MFA using factors like
 - One-time phone code
 - Biometrics
 - RF id cards
 - NYMI bands
- Works through existing FactoryTalk® Security Windows-linked groups

For example, a customer could purchase HID Global DigitalPersona identity management software (OIDC IDP) and configure FactoryTalk® Security to use it for MFA authentication

Integrating multi-factor solutions supports customer's Enterprise identity management efforts



Feature summary

FactoryTalk® AssetCentre v13.00 software

FactoryTalk® AssetCentre 13.00 Software

Released January 2024



- Modern web-based client
- Third-party disaster recovery
- Enhanced device management
- Minimizing attack surface (Hardening)
- Expanded environment
- Manage Schedules
- View asset inventory
- Scheduled database maintenance
- Intrinsic Disaster Recovery for
 - Siemens S7-1200/ -1500, ET-200
 - Mitsubishi iQ-R, iQ-F, Q, F, L-series
- Asset Inventory dashboard
- Updated CIS Benchmarks assessment
- Larger testing system (250 clients)

FactoryTalk® AssetCentre proof-point

Major U.S. Food Company

CHALLENGE

- Inadequate control measures in place to manage automation control system
- Excessive downtime resulting from unknown or unauthorized changes to controller programs

SOLUTION

- **Implemented FactoryTalk® AssetCentre software to provide change management control and disaster recovery**
- **Deployed user security to restrict who could make changes to controller programs**
- **Provided audit reports showing authorized changes to the automation control system**
- **Used FactoryTalk® AssetCentre archive to provide change control for production-related documentation**

RESULTS

7% REDUCED DOWNTIME events by 7% or more



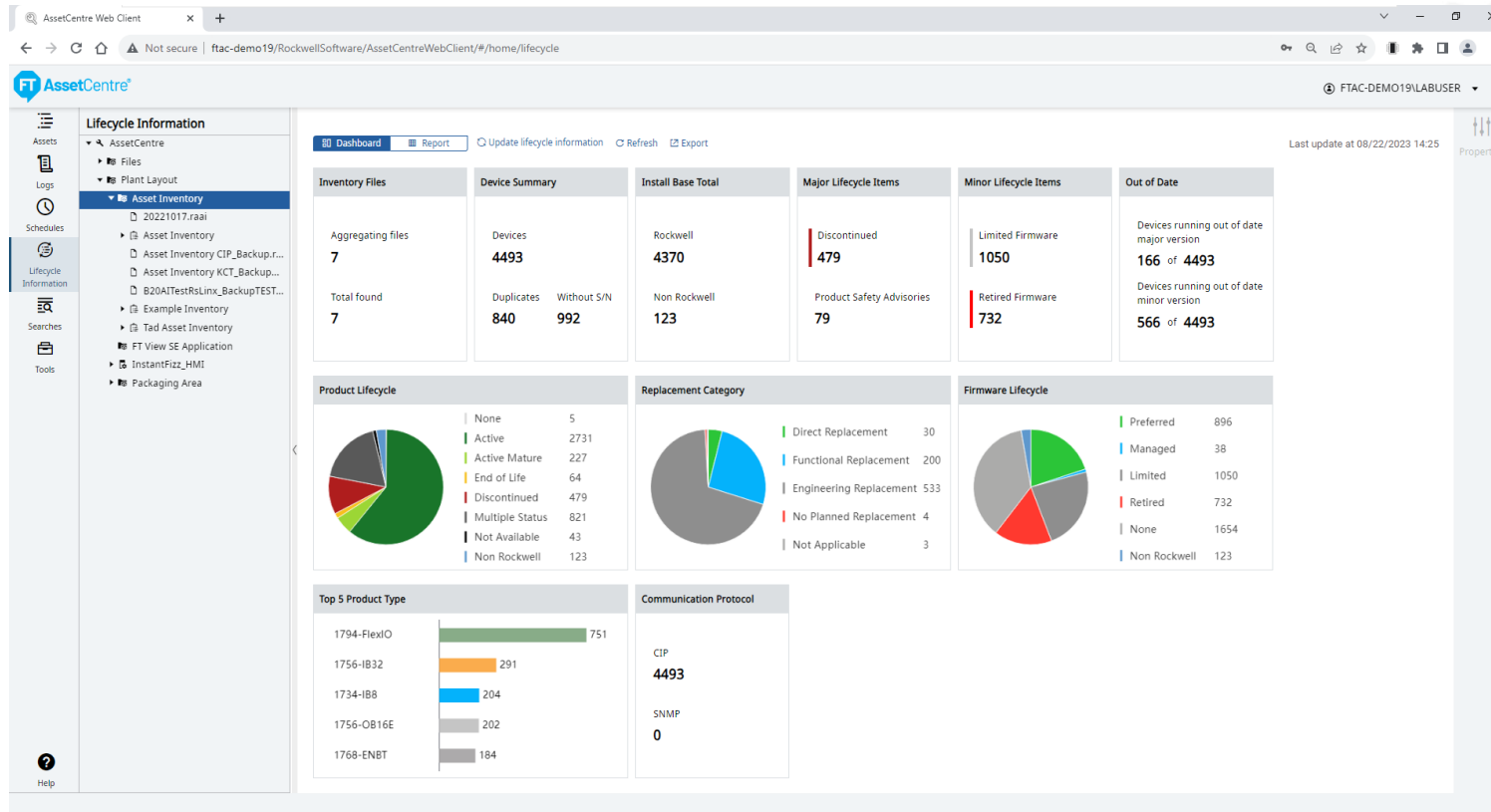
REDUCED WASTED PRODUCT by 10% due to equipment stoppages



IMPROVED ACCESS to audit reports and archived repository through a change management system

Asset Lifecycle dashboard summarizes inventory

- Aggregates multiple inventory files on one FactoryTalk® AssetCentre system based on Asset Tree selection
- The dashboard presents summarized device information organized in useful



Quickly emerging laws, standards, and executive orders, some with financial implications for non-compliance, drive the criticality of delivering devices that are kept up to date to maintain compliance, performance, and safety



Actively manage device lifecycle

- Aggregates multiple inventory files from one FactoryTalk® AssetCentre system
- Property panel slide-out shows more detail for individual device entries
- Export filtered view to capture devices requiring attention

The screenshot displays the AssetCentre Web Client interface. The main content area shows a table of device lifecycle information with the following columns: Name, Vendor, Serial Number, Lifecycle St., In Device Revision, and Most Current Minor Release. The table lists several devices, all with a lifecycle status of 'End of Life'.

Name	Vendor	Serial Number	Lifecycle St.	In Device Revision	Most Current Minor Release
1794-AENT	Rockwell Automation/Allen-Bradley	607FE40A	End of Life	4.003 Series B	4.004 Series B
1794-AENT	Rockwell Automation/Allen-Bradley	60C28DC6	End of Life	4.003 Series B	4.004 Series B
1794-AENT	Rockwell Automation/Allen-Bradley	60C28DA3	End of Life	4.003 Series B	4.004 Series B
1794-AENT	Rockwell Automation/Allen-Bradley	60B703EE	End of Life	4.003 Series B	4.004 Series B
1794-AENT	Rockwell Automation/Allen-Bradley	60C7843C	End of Life	4.003 Series B	4.004 Series B
1794-AENT	Rockwell Automation/Allen-Bradley	60C28E23	End of Life	4.003 Series B	4.004 Series B
1794-AENT	Rockwell Automation/Allen-Bradley	1A196F23	End of Life	2.012 Series A	2.012 Series A
1794-AENT	Rockwell Automation/Allen-Bradley	1A196EEC	End of Life	2.012 Series A	2.012 Series A
1794-AENT	Rockwell Automation/Allen-Bradley	1A196ED8	End of Life	2.012 Series A	2.012 Series A

The Properties panel on the right shows details for the selected device, including General information (Name: 1756-EN2TR, Description: CLX ENE/IP 100M DLR), Firmware Versions (Current: 10.010), and Device Lifecycle (Last update date: 08/21/2023, Lifecycle status: Active).

The explosion of intelligent devices in operations that require more frequent firmware & security updates drives the importance to “know what I have” and manage devices proactively

FactoryTalk® AssetCentre proof-point

Wastewater Treatment Facility

CHALLENGE

- The multi-faceted treatment process is susceptible to unpredictable environmental conditions
- The government-run operation had an assortment of equipment, which made it difficult to plan upfront investments for long-term benefits and cost-savings
- Remote pumping stations were difficult and costly to monitor and maintain

SOLUTION

- **FactoryTalk® AssetCentre change management software is used to deliver compliance for disaster recovery**
- Standardized on Rockwell Automation hardware and software
- Integrated FactoryTalk® View SE into the plant's SCADA system for wireless monitoring of four remote pumping stations
- Services and support provide support, employee training and regular software upgrades

RESULTS



STANDARDIZED APPROACH eased maintenance time and cost-burden as one service provider can take care of the entire system



CITY CAN RUN PLANT on reduced budget and less in-house technical expertise while remaining secure in regulatory compliance

Schedule management for remote systems

IIS-based web application for workstations and laptops running Microsoft Windows

- Create, modify, delete, enable, disable, start and stop schedules
- Modify scheduled task properties for each asset

**Quickly and easily manage
FactoryTalk® AssetCentre
schedules and tasks from a
client running in your
browser**

The screenshot displays the AssetCentre Web Client interface. The browser address bar shows the URL: `ftac-demo19/RockwellSoftware/AssetCentreWebClient/#/home/schedules`. The page title is "AssetCentre" and the user is logged in as "FTAC-DEMO19LABUSER".

The main content area is titled "Task Properties" and is divided into several sections:

- Task Properties:** A table with columns "Active", "Name", and "Action". The "Packaging" task is selected and highlighted in blue.
- Packaging:** A section with a "Description:" field and a "View By location" dropdown menu. A tree view shows the task's structure, including "Packaging Area", "Demo", "Emulate V32 demo", "Filler", and "Generic FTP Device".
- Filler_CLX-10 Properties:** A detailed configuration panel for the selected task, including sections for "Event settings", "Asset specific properties", "Email notification", and "Attach report to email".

The bottom status bar indicates "DataBase usage: 1.28% 1.28GB".

Deliver consistent system performance

Schedule database maintenance

- Automate database maintenance tasks to deliver system performance
 - Reduce database index fragmentation
 - Remove Event, Audit, and Diagnostic logs from the database

Eliminate the need to manually execute database maintenance activities

The screenshot displays the AssetCentre Web Client interface for Database Management. The left sidebar contains navigation icons for Assets, Logs, Schedules, Lifecycle Information, Searches, and Tools. The main content area is titled 'Database Management' and is divided into two sections: 'Database Information' and 'Database Maintenance'.

Database Information

Database name	AssetCentre
Database version	13.00.00.160
Total database /allocated size	1.28 of 10.00 GB
Unallocated size	19.17 MB
▼ Used by Archive	
Space used by file images	343.20 MB
Activity log size	848 KB
▼ Used by Log	
Event log size	0.08 of 1.00 GB
Audit log size	0.03 of 1.00 GB
Diagnostic log size	0 of 1.00 GB

Database Maintenance

Database index maintenance

Schedule automatic database index maintenance

Rebuild index when the fragmentation percentage exceeds 30 %

Start on Friday at 02:48 PM every 1 weeks

Email notification: ---

OK

Manual database index maintenance

Analyze index Rebuild index

Schedule Log Cleanup

+ New log cleanup Schedule

Name	Status	Schedule Time	Schedule Type	Log Type	Criteria	Action
mock_data1	Running	Sunday at 12:30 AM every 1 week	Log	Event	3 days before schedule date	⌵ ⌶
mock_data2	Waiting	Monday at 08:30 AM every 2 week	Log	Event, Audit	4 days before schedule date	▶ ⌵ ⌶
mock_data3	Waiting	Tuesday at 12:01 PM every 3 week	Log	Event, Audit	6 days before schedule date	▶ ⌵ ⌶
mock_data4	Waiting	Wednesday at 02:35 PM every 4 week	Log	Audit, Audit	8 days before schedule date	▶ ⌵ ⌶
mock_data5	Waiting	Thursday at 12:59 PM every 5 week	Log	Audit	10 days before schedule date	▶ ⌵ ⌶

DataBase usage: 1.28GB

FactoryTalk® AssetCentre proof-point

Water/Wastewater Municipality

CHALLENGE

- Produce more reliable operations reports (single version of the truth)
- Reduce engineering time to upgrade control system
- Reduce ongoing maintenance costs

SOLUTION

- **FactoryTalk® AssetCentre manages control system changes, tracks user actions and provides backup and recovery of asset configurations**
- FactoryTalk® Historian SE provides a high availability historian server collecting data from remote stations
- FactoryTalk® View SE provides an easy-to-use human-machine interface with alarm and events that identify critical events to maximize operational efficiency

RESULTS



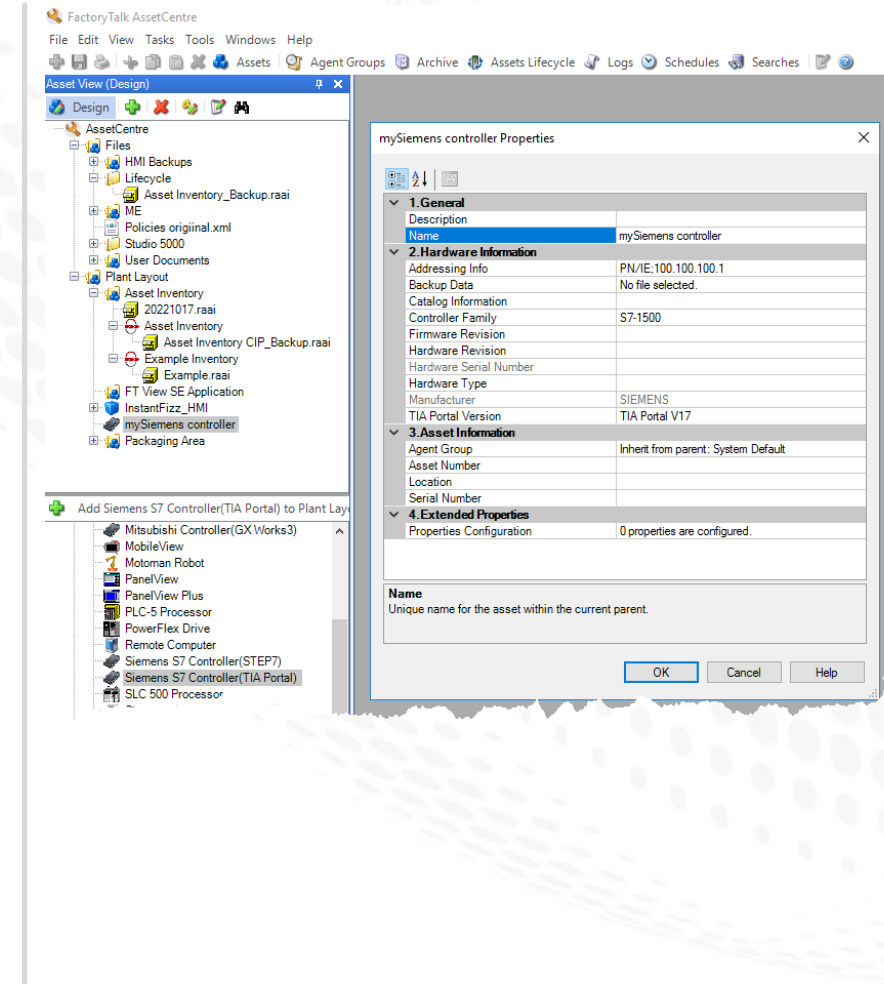
ENABLED stakeholders to visualize and act on reporting data presented through web-based dashboards

10x IMPROVED data capture speed 10 times faster than project specifications; the system can handle reliable data capture at one-minute intervals

New Intrinsic third-party Disaster Recovery capability

Built-in support reduces the need to develop and maintain automation scripts for support vendors

- Introducing new capabilities licensed to a FactoryTalk® AssetCentre server
 - Disaster Recovery for Siemens TIA Portal
 - Disaster Recovery for Mitsubishi
- Licensed third-party Disaster Recovery capability
 - is **built in** to the FactoryTalk® AssetCentre Agent architecture
 - **requires a licensed third-party editor** to be installed on **each** FactoryTalk® AssetCentre Agent to perform scheduled tasks



Third-party Disaster Recovery Supported Families

Device Connector			Backup	Compare
Siemens	S7-1200 / 1500 S7-1200E / 1500E ET 200 family	TIA Portal V18, V17, V16, V15.1 PN/IE, PROFIBUS, MPI connection	X	X
	S7-300 S7-400	STEP7 V5.6	X	X
Mitsubishi	iQ-R Series controllers R*CPU, R*ENCPU, R*SFCPU, R*PCPU, R*PSFCPU	GX Works3 (Link to Mitsubishi brochure)	X	X
	iQ-F (FX5) Series controllers FX5U, FX5UC, FX5UJ, FX5S			
	Q Series (QCPU) controllers Basic model, High-Performance model, Universal model	GX Works2 (Link to Mitsubishi brochure)	X	X
	L Series controller L*CPU, L*CPU-P, L*CPU-BT, L*CPU-PBT			
	F Series controllers FX3U, FX3UC, FX3G, FX3GC, FX3S, FX, FX0, FX0N, FX0S, FX1N, FX1S, FX2N, FX2NC			

Third-party Disaster Recovery detects differences

- Siemens

- Mitsubishi

PathName	ItemName	DeviceItemName	Name	System/Device	OrderNumber	Software/Container	Block_Path_Structure	Block_Number	BlockType	IsConstant	IsReadOnly/Protected	Comments	ItemName	DeviceItemName
S71500/ET200MP station_1	Device	Root	S71500/ET200MP station_1	System/Device/S71500-	-	-	-	-	-	-	-	-	Device	Root
S71500/ET200MP station_1*Real_0*	DeviceItem	Root	Real_0	OrderNumber/SES7 5081***0040	0	-	-	-	-	-	-	-	DeviceItem	Root
S71500/ET200MP station_1*PLC*1	DeviceItem	Root	PLC	OrderNumber/SES7 518-3A8U2-0AB0/V2.2	1	PLCSOFTWARE	-	-	-	-	-	-	DeviceItem	Root
S71500/ET200MP station_1*PLC*1*Hardware	DeviceItem	Root	PLC	OrderNumber/SES7 518-3A8U2-0AB0/V2.2	1	PLCHARDWARE	-	-	-	-	-	-	DeviceItem	Root
S71500/ET200MP station_1*PLC*Program blocks*StateMachine	Blocks	Root	StateMachine	-	-	PLCSOFTWARE	Program blocks	1	FB Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*Main	Blocks	Root	Main	-	-	PLCSOFTWARE	Program blocks	1	OB Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*IPC277D9_StateMachine_DB	Blocks	Root	IPC277D9_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	1	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*IPC477D2_StateMachine_DB	Blocks	Root	IPC477D2_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	2	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*IPC477D15_StateMachine_DB	Blocks	Root	IPC477D15_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	3	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*IPC477D12_StateMachine_DB	Blocks	Root	IPC477D12_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	4	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*IPC477D19_StateMachine_DB	Blocks	Root	IPC477D19_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	5	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*IPC277D7_StateMachine_DB	Blocks	Root	IPC277D7_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	6	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*HMI_Interface_IPC	Blocks	Root	HMI_Interface_IPC	-	-	PLCSOFTWARE	Program blocks	12	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*IPC13H1_StateMachine_DB	Blocks	Root	IPC13H1_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	13	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*IPC21H1_StateMachine_DB	Blocks	Root	IPC21H1_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	14	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*PLC*Program blocks*IPC13H1_StateMachine_DB	Blocks	Root	IPC13H1_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	15	Data Block	True	False	-	Blocks	Root
S71500/ET200MP station_1*DI 16x24VDC_HF_1	DeviceItem	Root	DI 16x24VDC_HF_1	OrderNumber/SES7 521-3B8U0-0AB0/V2.2	2	-	-	-	-	-	-	-	DeviceItem	Root

Source: C:\Users\GopinathRamajayam\Desktop\test_rockwell\GX3\Compare\differentCP.gx3
 Destination: C:\Users\GopinathRamajayam\Desktop\test_rockwell\GX3\Compare\lefCP.gx3

type	name	result
Program File	MAIN	Error
Program	FXSModbusTCPClient_PRG	=
Program(Local Label)	FXSModbusTCPClient_PRG	=
FB File	MEU_FXSUCPU_ModbusTCP_00B	Error
FB/FUN	MEU+FXSUCPU_EthernetTCPActive_MB	=
FB/FUN(Local Label)	MEU+FXSUCPU_EthernetTCPActive_MB	=
FB/FUN	MEU+FXSUCPU_EthernetTCPUnpassive_MB	=
FB/FUN(Local Label)	MEU+FXSUCPU_EthernetTCPUnpassive_MB	=
FB/FUN	MEU+FXSUCPU_ModbusTCPClient	=
FB/FUN(Local Label)	MEU+FXSUCPU_ModbusTCPClient	=
FB/FUN	MEU+FXSUCPU_ModbusTCPClientRequest	=
FB/FUN(Local Label)	MEU+FXSUCPU_ModbusTCPClientRequest	=
FB/FUN	MEU+FXSUCPU_ModbusTCPClientResponse	=
FB/FUN(Local Label)	MEU+FXSUCPU_ModbusTCPClientResponse	=
FB/FUN	MEU+FXSUCPU_ModbusTCPClientResponse	DestinationOnly
FB/FUN(Local Label)	MEU+FXSUCPU_ModbusTCPClientResponse	DestinationOnly
FB/FUN	MEU+FXSUCPU_ModbusTCPClientResponse	=
FB/FUN(Local Label)	MEU+FXSUCPU_ModbusTCPClientResponse	=

Compare results are generated using the third-party comparison tools, thereby delivering consistent results between FactoryTalk® AssetCentre Disaster Recovery and the third-party comparison tools

Third-party Disaster Recovery detects differences

- Siemens

D:\new Tool\leftCP															
PathName	ItemName	DeviceUserGroup	Name	TypeIdentifier	PositionNumber	SoftwareContainer	Block_Path_Structure	Block_Number	BlockType	IsConsistent	IsKnowHowProtected	Compare	ItemName	DeviceUserGroup	
0	S71500/ET200MP station_1	Device	Root	S71500/ET200MP station_1	System:Device.S71500	-	-	-	-	-	-	-	Device	Root	S71
1	S71500/ET200MP station_1^Rail_0^_random	DeviceItem	Root	Rail_0	OrderNumber:6ES7590-1**0-0A00	0	-	-	-	-	-	-	DeviceItem	Root	Rail
2	S71500/ET200MP station_1^PLC^1	DeviceItem	Root	PLC	OrderNumber:6ES7516-3AN02-0A00/V2.8	1	PLCSOFTWARE	-	-	-	-	=	DeviceItem	Root	PLC
3	S71500/ET200MP station_1^PLC^1_hardware	DeviceItem	Root	PLC	OrderNumber:6ES7516-3AN02-0A00/V2.8	1	PLCHARDWARE	-	-	-	-	=	DeviceItem	Root	PLC
4	S71500/ET200MP station_1^PLC^Program blocks^StateMachine	Blocks	Root	StateMachine	-	-	PLCSOFTWARE	Program blocks	1	FB Block	True	False	Blocks	Root	Sta
5	S71500/ET200MP station_1^PLC^Program blocks^Main	Blocks	Root	Main	-	-	PLCSOFTWARE	Program blocks	1	OB Block	True	False	Blocks	Root	Main
6	S71500/ET200MP station_1^PLC^Program blocks^IPC277D9_StateMachine_DB	Blocks	Root	IPC277D9_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	1	Data Block	True	False	Blocks	Root	IPC
7	S71500/ET200MP station_1^PLC^Program blocks^IPC477D22_StateMachine_DB	Blocks	Root	IPC477D22_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	2	Data Block	True	False	Blocks	Root	IPC4
8	S71500/ET200MP station_1^PLC^Program blocks^IPC477D15_StateMachine_DB	Blocks	Root	IPC477D15_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	3	Data Block	True	False	Blocks	Root	IPC
9	S71500/ET200MP station_1^PLC^Program blocks^IPC477D12_StateMachine_DB	Blocks	Root	IPC477D12_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	4	Data Block	True	False	Blocks	Root	IPC
10	S71500/ET200MP station_1^PLC^Program blocks^IPC477D19_StateMachine_DB	Blocks	Root	IPC477D19_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	5	Data Block	True	False	Blocks	Root	IPC
11	S71500/ET200MP station_1^PLC^Program blocks^IPC277D7_StateMachine_DB	Blocks	Root	IPC277D7_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	6	Data Block	True	False	Blocks	Root	IPC
12	S71500/ET200MP station_1^PLC^Program blocks^HMI_Interface_IPC	Blocks	Root	HMI_Interface_IPC	-	-	PLCSOFTWARE	Program blocks	12	Data Block	True	False	Blocks	Root	HMI
13	S71500/ET200MP station_1^PLC^Program blocks^IPC19MT_StateMachine_DB	Blocks	Root	IPC19MT_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	13	Data Block	True	False	Blocks	Root	IPC
14	S71500/ET200MP station_1^PLC^Program blocks^IPC22MT_StateMachine_DB	Blocks	Root	IPC22MT_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	14	Data Block	True	False	Blocks	Root	IPC
15	S71500/ET200MP station_1^PLC^Program blocks^IPC15MT_StateMachine_DB	Blocks	Root	IPC15MT_StateMachine_DB	-	-	PLCSOFTWARE	Program blocks	15	Data Block	True	False	Blocks	Root	IPC
16	S71500/ET200MP station_1^DI 16x24VDC HF_1^2	DeviceItem	Root	DI 16x24VDC HF_1	OrderNumber:6ES7521-1BH00-0A00/V2.0	2	-	-	-	-	-	-	DeviceItem	Root	DI 1

FactoryTalk® AssetCentre v13.00 Literature Library content

- Literature Library ([link](#))

The screenshot shows the Rockwell Automation website's search results for 'factorytalk assetcentre'. The top navigation bar includes the Rockwell Automation logo and links for Products, Services, Industries & Solutions, Support, and Sales & Partners. A search bar contains the text 'factorytalk assetcentre' with a search button. Below the search bar, filters are shown: Web Pages (62), Products (105), Literature (167), and Sample Code (1). The main content area displays three search results, each with a title, a brief description, a publication date, and a language dropdown menu. The results are:

- FactoryTalk AssetCentre Installation Guide** (Installation Instructions, FTAC-IN005L-EN-E, Published on Jan 24, 2024)
- FactoryTalk AssetCentre Utilities User Manual** (User Manual, FTAC-UM001E-EN-E, Published on Jan 24, 2024)
- FactoryTalk AssetCentre Getting Results Guide** (Getting Results, FTAC-GR002I-EN-E, Published on Jan 24, 2024)

On the left side, there are filter sections for 'All Product Categories' and 'Publication Type'. The 'Publication Type' section includes checkboxes for Application Profile (3), Application Techniques (7), Article/Editorial/Byline (1), Brochure/Magazine (13), and Catalog (2). There is also a 'Services' section with checkboxes for Assessment Services (1) and Asset Management Services (2).

New and updated FactoryTalk® AssetCentre v13.00 online collateral

Release notes – [Release notes for FactoryTalk® AssetCentre v13.00](#)

New KB's:

- QA75322 – [Supported Mitsubishi Controllers and Software in FTAC](#)
- QA75323 – [Supported Siemens Controllers in FTAC](#)
- QA75329 – [FTAC Agent w/Siemens TIA Portal & Mitsubishi GX Works Disaster Recovery](#)
- QA75333 – [FTAC & Siemens TIA Portal TLS port resolution](#)
- QA75306 – [FTAC Asset Lifecycle Web Client FAQ](#)
- QA75309 – [FTAC DR Schedules Web Client FAQ](#)
- QA75310 – [FTAC Logs Web Client FAQ](#)
- QA75311 – [FTAC Searches Web Client FAQ](#)
- QA75325 – [FTAC Web Client ToC](#)
- QA75331 – [FTAC Before using a web client after upgrade](#)

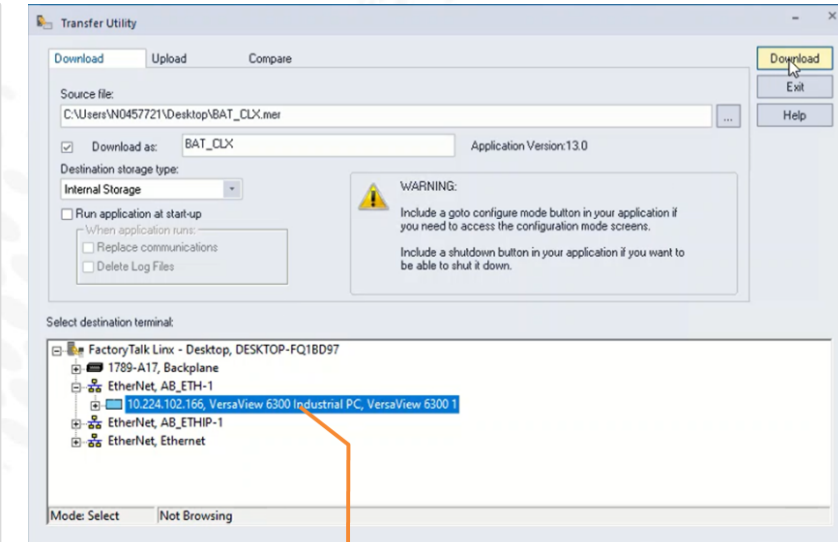
Updated KB's:

- QA11498 – [FTAC System Design Considerations](#)
- QA29577 – [FTAC using TIA Portal software for Siemens assets](#)
- QA6409 – [FTAC Architecting agents](#)
- IN38407 – [FTAC Sample Reports – third-party and described how to read Siemens & Mitsubishi reports](#)
- QA52221 – [FTAC Database Management FAQs](#)
- QA31088 – [FTAC Audit & Event Log Performance Indexing – log cleanup schedules on web client:](#)
- QA11846 – [FTAC Agent FAQ \(updated for third-party applications & # of agents\)](#)
- QA29309 – [FTAC Disaster Recovery device support – third-party](#)
- QA64936 – [FTAC Archive Web Client FAQ](#)

FTLinx enhancement supports ASEM™ 6300 disaster recovery

Backup FactoryTalk® View Machine Edition application running on AEM 6300

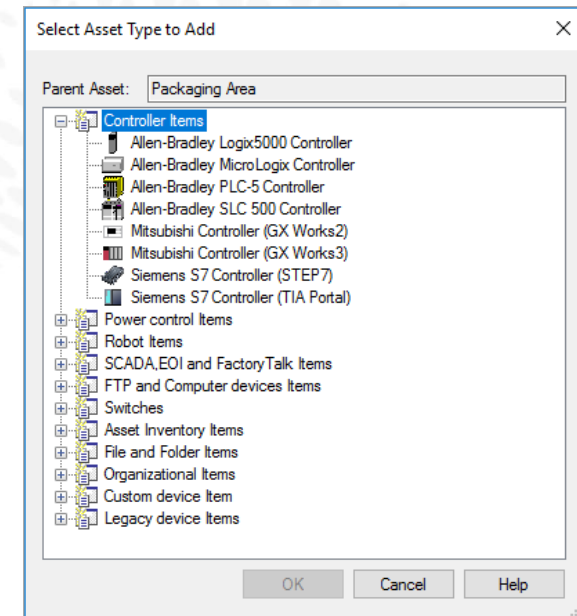
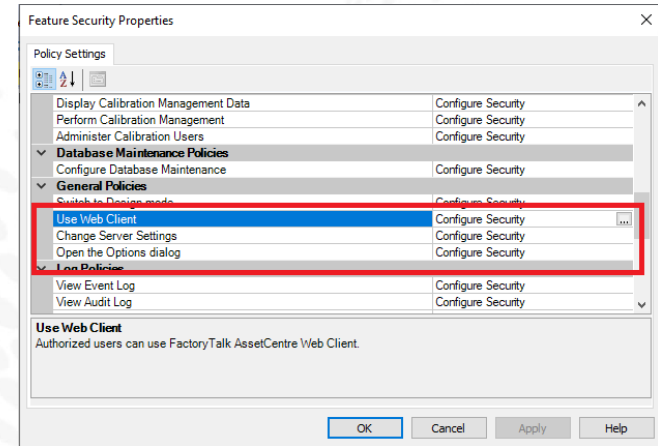
- FTLinx 6.40 and Machine Edition Transfer Utility (METU) v14.00 changes supported identification of ASEM™ 6300 running FactoryTalk® View Machine Edition application
- Must use MOBILEVIEW asset type in FactoryTalk® AssetCentre v13.00 to perform backup
- **Does not** mean FactoryTalk® AssetCentre can perform backup of FactoryTalk® View Machine Edition applications running on generic industrial computer



FT Linx on ASEM 6300 reports new identity

Other Small User Experiences Changes

- New FactoryTalk® Security permissions
 - Control access to change system options via Tools > Options (desktop client)
 - Control the ability to use the Web client
- Disaster Recovery support for FactoryTalk® Logix Echo R3 emulating:
 - CompactLogix 5380
 - Compact GuardLogix 5380
- Reorganized the asset catalog to present assets arranged by category
- Removed personal identifiable information from FactoryTalk® AssetCentre Address Book



FactoryTalk® Linx support larger systems and complex networks

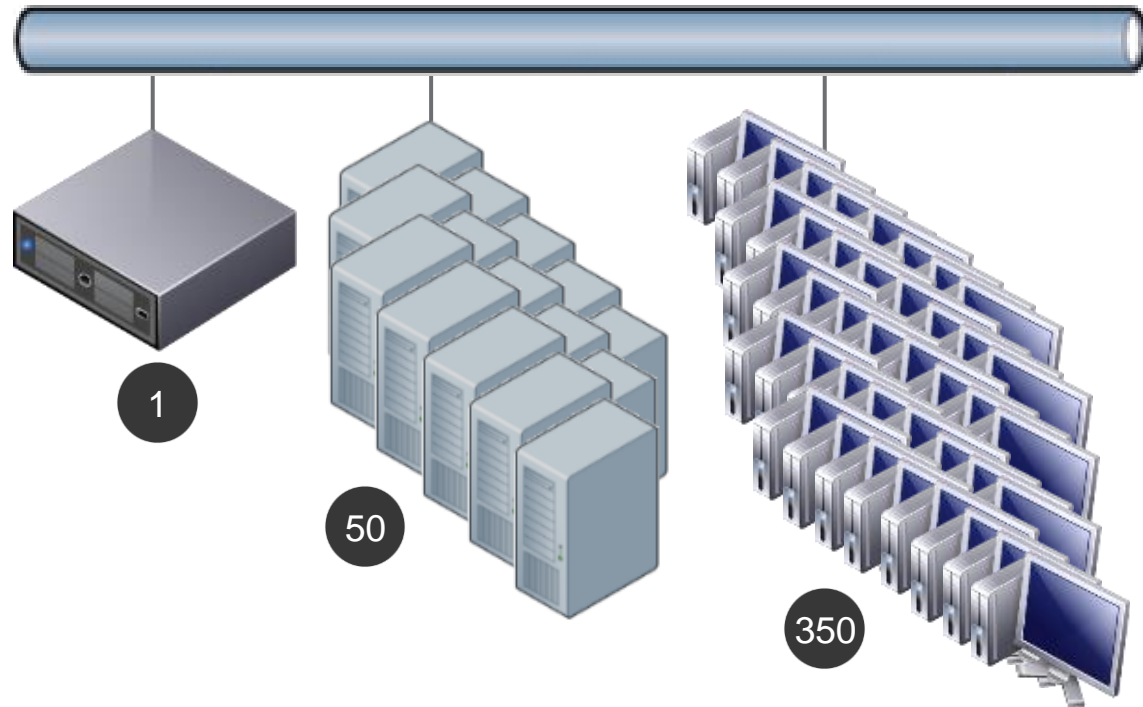
FactoryTalk® Linx modernization

- FactoryTalk® Linx v6.40 configuration manages approx. 600 total devices
 - FactoryTalk® Linx v6.40 design changes how communications are established eliminating the previous total device limitation
 - FactoryTalk® Linx provides a significant enhancement compared to RSLinx® Classic, which is limited to ~400 total devices
- FactoryTalk® Linx v6.40 Ethernet driver list increased to 255 devices
 - One v6.40 driver can perform the job of four previous drivers
 - Items can be entered manually or pasted from an external application (ex. Microsoft Excel)

Supporting larger system configurations enhances user productivity by reducing device and driver management

Increased large systems recommendations

FactoryTalk® AssetCentre v13.0 Software – Architecture



- **One** FactoryTalk® AssetCentre Server
- **Fifty** FactoryTalk® AssetCentre Agents & Agent Groups
 - Single agent services ~100 assets/12 hours
 - Limit of 50 agent groups
- **350 total concurrent** FactoryTalk® AssetCentre Clients
 - 150 traditional desktop client
 - 200 thin client (web-client)

Operating system / platform support

FactoryTalk® AssetCentre v13.0 Software – OS/Platform Support

FactoryTalk® AssetCentre Server

Windows Server 2022 Standard / DataCenter (64 bit)
Windows Server 2019 Standard / DataCenter (64 bit)
Windows Server 2016 Standard / DataCenter (64 bit)
Windows Server 2012 R2 Standard / DataCenter (64 bit)
Windows Server 2012 Standard / DataCenter (64 bit)

Database – Microsoft SQL Server

2019 Enterprise / Standard / Express (64 bit)
2017 Enterprise / Standard / Express (64 bit)
2016 SP3 Enterprise / Standard / Express (64 bit)

FactoryTalk® AssetCentre Client

All FactoryTalk® AssetCentre Agent Operating Systems
Windows 11 Pro/ Enterprise (64-bit)
Windows 10 Pro/ Enterprise (64 bit)

Browser Support

Microsoft Edge
Chrome
Firefox

FactoryTalk® AssetCentre Agent

Windows Server 2022 Standard / DataCenter (64 bit)
Windows Server 2019 Standard / DataCenter (64 bit)
Windows Server 2016 Standard / DataCenter (64 bit)
Windows Server 2012 R2 Standard / DataCenter (64 bit)
Windows Server 2012 Standard / DataCenter (64 bit)
Windows 11 Pro/ Enterprise (64-bit)
Windows 10 Pro/ Enterprise (64 bit)



FactoryTalk® Services Platform Support (CPR9 SR14)

Thank you



www.rockwellautomation.com

