

# *RSLinx<sup>®</sup> Classic*

Migration to

 **Linux Gateway**

Jan 5, 2025



# The FactoryTalk® Linx advantage



## SMART ARCHITECTURE

Create consistent and scalable architectures. Use the same communications, configuration and services across control, visualization, and floor devices.



## SECURITY

Retain control of device communications and data security on a communications platform with layered security, audit, and logging.



## AVAILABILITY

Confirm that your communications network is providing excellent reliability and available by supporting various redundancies from data servers to networked hardware platforms.



## EFFICIENCY

Use the high-performance communications layer to reduce the network and controller burden, which allow for the most efficient hardware choices.

**Design software services,**  **Network/Device management,**  **Data acquisition**



The **FactoryTalk® Linx** portfolio is designed, tested, and built alongside the Logix hardware and software to extend data continuity and support third-party software interoperability.



# FT Linx Software Portfolio

FTSP ≥ v6.50

## Communications Services

**FT MaintenanceSuite**

**FT DesignSuite**

**FT OperationSuite**

**FT Linx Gateway**

\*Data access (OPC DA/UA; Excel) and system management services

**FT Linx Data Bridge**

\*Moves data between FactoryTalk® sources

**FT Linx CommDTM**

Communications service for asset management of EtherNet/IP process devices

**FT Action Manager™**

Automate system management tasks (wall clock updates)

## FT Service Platform

**FT Linx**

Premier connectivity to Allen-Bradley® control hardware

**FT**

**Resource & Status**

Computer, service, software and Ethernet device analytics

**FT**

**OPC-DA Interface**

Connectivity to third-party OPC-DA Servers

**FT**

**Linx OPC UA Connector**

Connectivity to third-party OPC UA hardware and software servers

***RSLinx® Classic***  
Premier connectivity for legacy software

EtherNet/IP Address Commissioning Tool  
Assign device IP addresses using BOOTP / DHCP

**FT**

**KEPServer Enterprise**

\*Connectivity to third-party automation hardware and network protocols

\* Purchased separately

Connecting HMI / MES / Information software to Rockwell Automation systems



**Application**

Linked to FactoryTalk® data servers to access Logix 5000®, other controllers, drives, CIP devices, CIP Security, OPC-DA / UA servers, and computer / software resources.

Scalable, distributed, redundant

**Standalone**

Built-in communications service limited to Logix 5000® ≥ v18 and other data limitations.

Simple configuration, often with higher performance

**Folders / Scalars**

All data available as scalar values organized in folders (DA<sup>1</sup>/UA/DDE<sup>1</sup>/RTD<sup>1</sup>)

**Tag List**

Scalars, UDTs, arrays, and access control (UA only)

**Custom**

Context, mapped, OPC companion specifications (UA<sup>1</sup>/DDE<sup>1</sup>/RTD<sup>1</sup>/MQTT<sup>1</sup>)

**OPC UA/DA**

Third-party HMI, MES and Information software

FT Optix™ FT DataMosaix™

**MQTT**

Publisher / Subscriber<sup>1</sup>  
Third-party cloud and enterprise software

FT Optix™ PLEX  
ROCKWELL AUTOMATION

**DDE & Excel RTD**

Microsoft Excel and legacy software

1.Supported with FactoryTalk® Application and when Standalone option is enabled  
Underline = New v6.60



## Comparing data source / operating approach

Capability	FactoryTalk® Application	Standalone
Client egress protocols	OPC-DA, OPC UA, DDE, Excel RTD, and MQTT	OPC-DA / UA, MQTT, DDE Excel RTD (v6.60)
Configuration	FactoryTalk® Linx Gateway and FactoryTalk® Administration Console	Fully configured in FactoryTalk® Linx Gateway
Shortcut data sources	All FactoryTalk® Linx shortcut types, OPC UA Connector endpoints, OPC-DA servers and Resource and Status service; offline tag browsing;	Processor shortcut to Logix controllers ≥V18; no offline tag browsing
Scalability	One to ten servers, dozens to hundreds of controllers	One computer, with few dozen controllers
Data model (egress interface)	Folders / scalars (All), Tag List (UA), Custom (UA, DDE, RTD)	Folders / Scalars (DA, DDE, RTD); Custom (UA, MQTT, DDE, RTD)
Data extensions	@predefines, tag modifiers (e.g. TC,S,L...), extended tag properties & tag-based @Alarms (v6.50 Professional)	Some @predefines
RSLinx® Classic Tag reference	Local & Network with single server, no areas	Format matches to RSLinx® Classic
Secure Communications	CIP Security, OPC UA Security & access control, OPC-DA Packet Integrity and confidentiality	OPC-DA Packet Integrity and confidentiality, OPC UA Security, MQTT TLS/SSL
High availability	Redundant FactoryTalk® Linx, OPC UA Connectors and OPC-DA and UA servers, redundant path and controller shortcuts	No redundancy

# FT Linx Gateway

Options for access to automation system data

## Folders/scalars

- Simple access
- Folders for controller, scopes, structures and arrays
- Scalar data
- All data available to clients
- Logix access control
- OPC DA/UA, DDE, RTD
- Standalone OPC-DA and DDE



## Tag lists

- Access Logix UDTs
- Logix scalars, UDTs, arrays
- Option for array element enumeration
- Access limited to tag groups
- Only for OPC UA with FactoryTalk® application



## Custom namespace

- Reorganize/rename data
- Custom UDTs (OPC UA only), tags, arrays and folders defined in the Gateway
- Mapped to system data values
- Access limited to namespace
- OPC UA, DDE, RTD and MQTT with FactoryTalk® Application and standalone





# Linx Gateway

Data egress interface options

OPC-DA	OPC UA	MQTT	DDE	Excel RTD
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- DCOM transport protocol
- Remote & Local clients
- DCOM Security (defaults to integrity)
- Folder namespace
- Limit via Logix “external access”
- All clients have same access level
- Tested to 200K items

- TCP Transport protocol
- Remote & Local clients
- Integrity and confidentiality
- Anonymous or individual client authentication
- Tag groups control client access
- Folder, lists and custom namespace
- Tested to 500K items

- Publish data to multiple clients via broker
- Store/forward when broker disconnected
- Subscribe to broker data and write to Logix and other destinations
- Enterprise and cloud
- FactoryTalk® Optix™, Rich and Flat Json format
- TLS/SSL security
- Custom model to defines visible tags
- Tested to 40K items

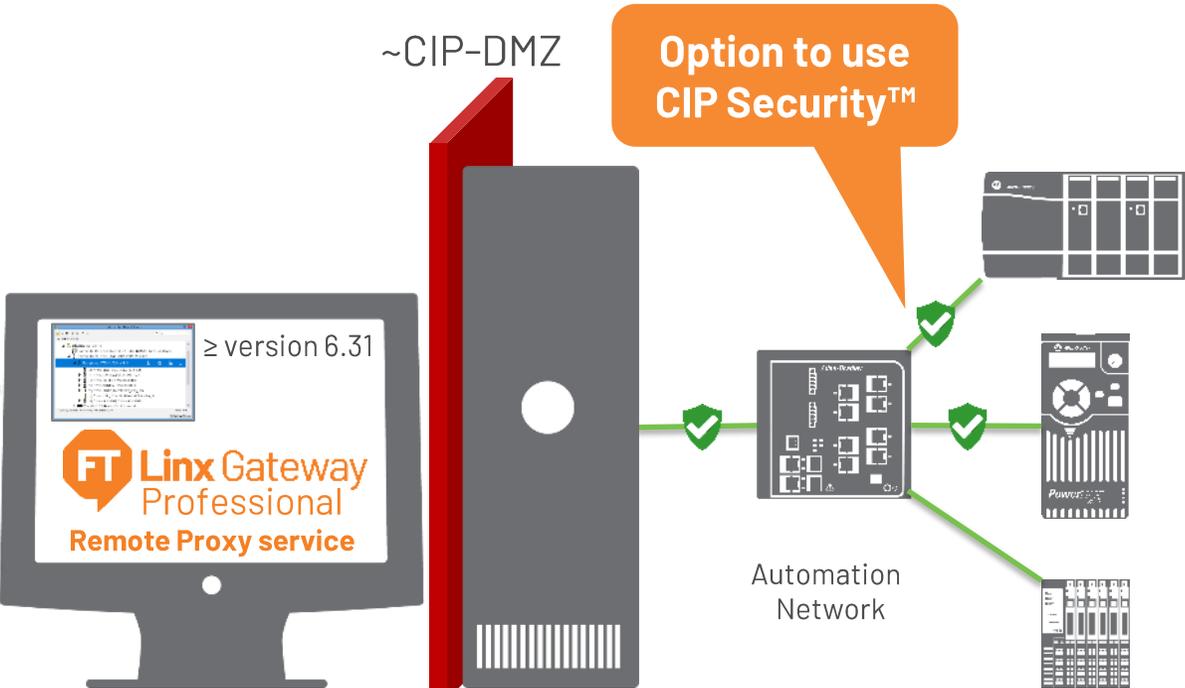
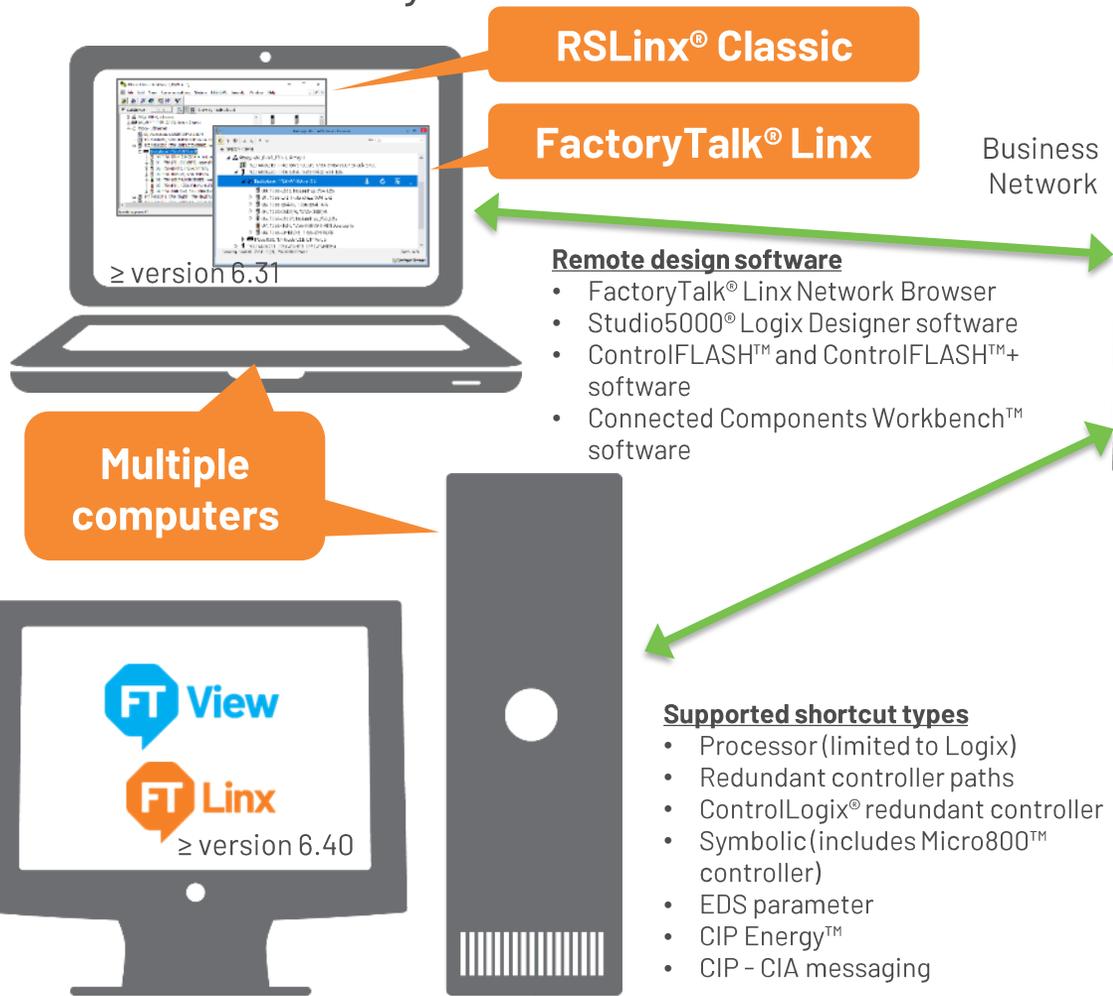
- Local clients
- Folder and custom namespace
- Custom model to defines visible tags
- Maximum 4K items
- Speed / rate limited by Excel

- Local Excel using RTD() function
- Folder and custom namespace
- Custom model to defines visible tags
- Maximum 40K items
- Speed / rate limited by Excel

**Supporting legacy, modern and cloud-connected systems**

# FT Linx Gateway

Remote Proxy service



## Productivity

- Changes to proxy drivers visible to clients
- Modify proxy drivers without disconnecting clients
- Remotely access proxy computer's USB interface, emulated controllers

## Flexible architecture

- Connect directly to devices on isolated network
- More secure alternative to NAT device

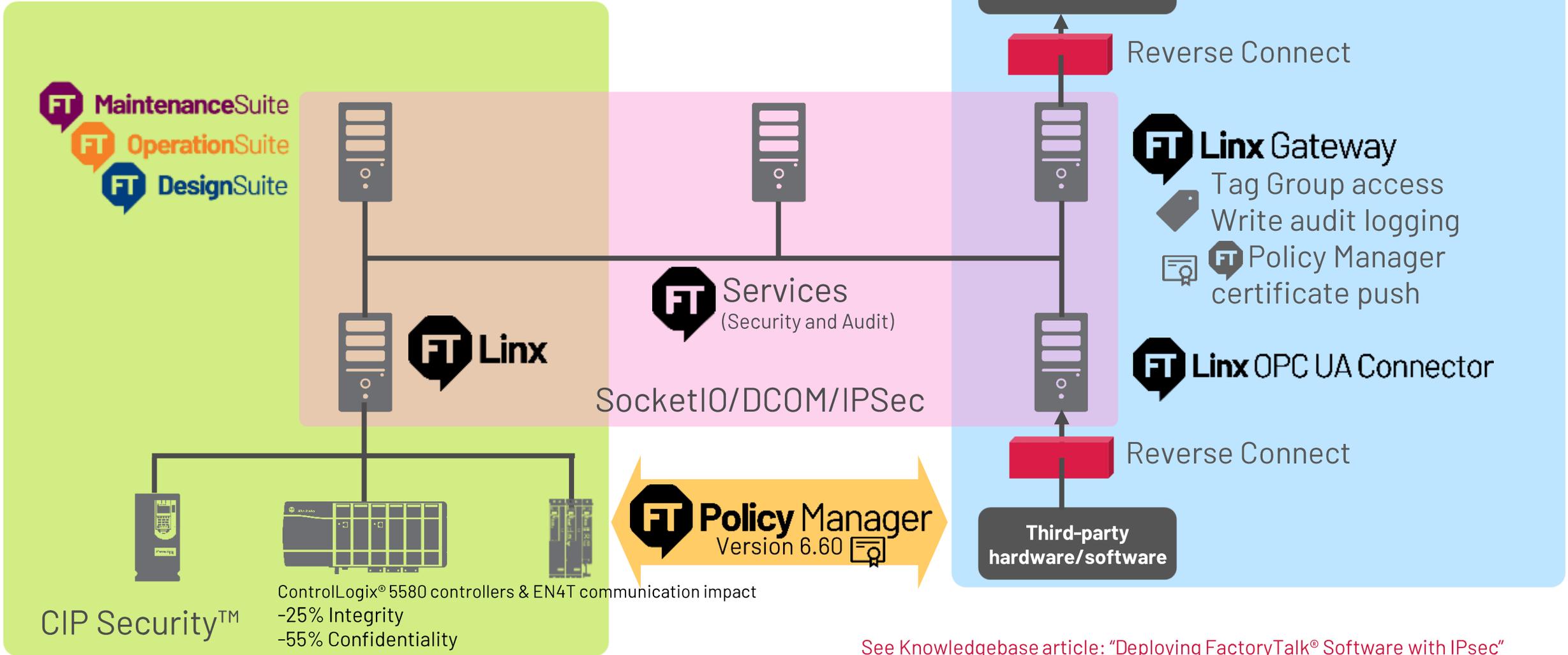
## Enhanced security

- Only FactoryTalk® Linx CIP™ communications pass through the proxy
- Verify authorized client workstations via IP address or CIP Security™
- Optionally separate clients on the business network from the automation network



# Securing the automation system

Defense in depth layered diverse security



CIP Security™

ControlLogix® 5580 controllers & EN4T communication impact  
-25% Integrity  
-55% Confidentiality

[See Knowledgebase article: "Deploying FactoryTalk® Software with IPsec"](#)

CIP Security™ with Rockwell Automation products  
publication: [SECURE-AT001C-EN-P](#)



# Migrating from **RSLinx® Classic** to **FT Linx Gateway**

High-level process for data acquisition



Edition, data access, capabilities, network and controller types

System controllers and data / tag capacity, extended tag properties, redundancy and proxy service

Enhanced security, UDTs and complex types;  
Substantial client modification but future proofs operation

Change the OPC DA client to connect with FactoryTalk® Linx Gateway

Establish drivers to browse network and shortcuts to communicate with controllers

Client tag references may require modification depending on the FactoryTalk® Linx configuration

See [IN9850](#) RSLinx® Classic and FactoryTalk® Linx Product Comparison

See [FactoryTalk® Linx Ordering Guide: FTALK-SP013B-EN-P](#)

See [IN41199](#) Renaming the FactoryTalk® Linx Gateway OPC-DA Service

See [QA61597](#) for Excel workbook to convert RSLC to FTL



# 1a. **RSLinx® Classic**

## Capability overview

- Types of networks / drivers
  - Serial DF1 (single, *Multi-drop / radio modem*)
  - *Data Highway Plus™ (DH+™)*
  - ControlNet
  - *DeviceNet*
  - *Ethernet to PLC-5® or SLC™ 500*
  - Ethernet / CIP
    - EtherNet/IP (UDP Broadcast)
    - Ethernet Devices (device / IP List; TCP Only)
  - Remote device via Linx Gateway (TCP)
    - Often used to point at single device
- Network browsing
  - *Includes most Legacy devices*
- Downstream networks
  - CIP - EtherNet/IP, DeviceNet, ControlNet
  - DH+™
- Device Management
  - CIP / TCP Configuration
  - Statistics
  - Redundancy Module Configuration Tool
  - 1756-DHRIO module configuration
- Data Acquisition
  - Topics & paths
  - Solicited or Unsolicited
  - Alias Topics
  - Tag data quantity
  - Dynamic Data Exchange (Local DDE, remote DDE and Fast DDE™)
  - Classic OPC-DA
- Remote device via Linx Gateway
- Shortcuts
- Data Monitor



# 1b. *RSLinx Classic* vs. **FT Linx Gateway**

Capability comparison summary

<i>RSLinx Classic</i>	Capability	<b>FT Linx Gateway</b>
✓	OPC-DA	✓
⊗	OPC UA	✓
✓	DDE	✓
✓	Excel RTD	✓
✓ <sup>1</sup>	EtherNet/IP, DH+™	✓ <sup>1</sup>
Logix, PLC-5®, SLC™	Solicited	Logix, PLC-5®, SLC™, Micro800 <sup>1</sup>
PLC-2®, PLC-5®, SLC™	Unsolicited	Logix, PLC-2®, PLC-5®, SLC™ <sup>1</sup>
⊗	CIP Energy, CIP to device	✓
✓	Serial DF1 Mult-drop/radio Modem	⊗
✓ "Gateway"	Computer bridging	✓ "Remote Proxy"
✓	SDK/DTL API	✓ <sup>1</sup>

1. Limitations for selecting configurations

<i>RSLinx Classic</i>	Capability	<b>FT Linx Gateway</b>
⊗	Multi-user	✓
⊗	Configure drivers without reset	✓
⊗	High availability	✓
✓	Redundant paths	✓ <sup>1</sup>
⊗	Distributed source	✓
⊗	Data from OPC-DA and UA servers	✓
⊗	Security: FactoryTalk®, CIP and OPC UA	✓
⊗	FactoryTalk® Audit	✓
Low	Capacity	High
Good	Performance	Generally better <sup>1</sup>
Active Mature	Lifecycle status	Active

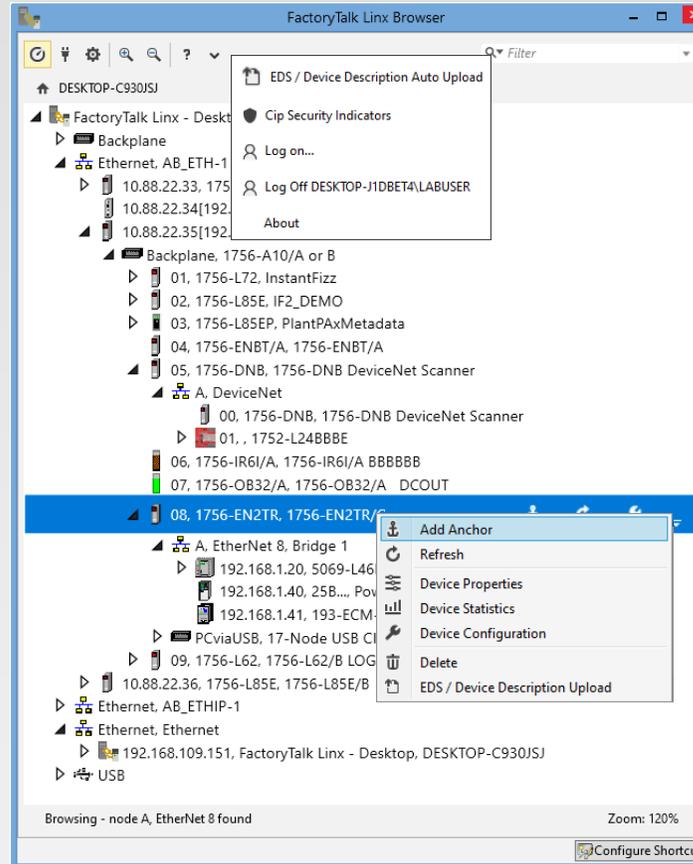


# 1c. FT Linx Network Browser

More productive alternative to RSLinx® Classic “Who Browser”

## Enhanced Capabilities

- Better driver configuration user interface for improved productivity
- Automatic discovery of bridged devices
- CIP Security, FactoryTalk® Security and FactoryTalk® Audit
- Large packets for improved performance
- Blink LEDs to locate devices
- See connected devices with Link Layer Discovery Protocol (LLDP)
- Supports 5015, GuardLink®, IO-Link and EtherNet/IP In-cabinet (not in RSLinx® Classic)
- Communicate to device not browsed
- Logix 5590 dual-port config, crossload and RMCT v10.01 v6.60



## Supported by

- Studio 5000® Launcher version 31
- Studio 5000® Logix Designer version 31 (**version 38 removes support for RSLinx® Classic**)
- PlantPax® Process Object Config. tool v4.10.01
- PlantPax® MPC v2.0
- ControlFLASH™ v14
- ControlFLASH™+ v1
- Connected Components Workbench™ v12
- FactoryTalk® AssetCentre v9
- FactoryTalk® Policy Manager v1.0
- FactoryTalk® Linx CommDTM v1.04
- PowerFlex® HIM v1.0
- Studio 5000 View Designer® v7
- FactoryTalk® Batch v14
- SequenceManager™ v2.00
- Redundancy Module Configuration Tool v9.00
- FactoryTalk® Logix Echo v1
- FactoryTalk® Action Manager™ v1.00



# 2a. FT Linx Gateway

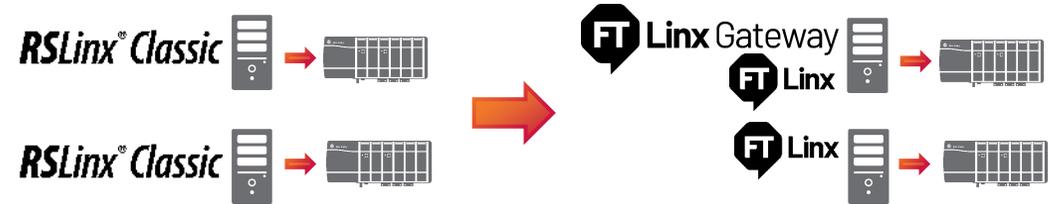
System architecture migration options

## One to One



- Replace RSLinx® Classic with FactoryTalk® Linx on a single computer
- FactoryTalk® Local or station application
- Standalone if just Logix controller
- Minimal changes to the client
- “Basic”, “Standard”, and Extended editions
- A license required for each system

## Many to One



- Consolidate multiple RSLinx® Classic servers into a single FactoryTalk® Linx Gateway system
- Two FactoryTalk® Linx instances per computer with 100K tags/sec per instance
- Multiple computers require “Distributed” or “Professional” edition / activation
- Redundant FactoryTalk® Linx servers
- FactoryTalk® Linx Gateway on the OPC client computer
- Different tag references resulting in client software changes



# 2b. **RSLinx<sup>®</sup> Classic**

## Editions and Capabilities

<b>Edition</b>	<b>Rockwell Automation<sup>®</sup> software, Topology &amp; device commissioning</b>	<b>OPC-DA</b>	<b>DDE</b>	<b>Fast DDE™</b>	<b>Data Table and Logic Viewer</b>	<b>SDK</b>	<b>Gateway Workstation Bridging</b>
Lite (Free download) 9355-WAB100ENE(SAP)	Supported	N/A	N/A	N/A	N/A	N/A	Client only
Single Node 9355-WABSNENE(SAP) 9355x-RSLCT1xx(Portal)	Supported	Single Controller Local Clients	Single Controller	N/A	N/A	N/A	Client only
OEM 9355-WABOEMENE(SAP) 9355x-RSLCT2xx(Portal)	Supported	Multiple Controllers, Local Clients	Multiple Controllers	N/A	N/A	N/A	Client only
SDK (Discontinued) 9355-WABSDKNE	Supported	Multiple Controllers, Local Clients	Multiple Controllers	N/A	N/A	Documentation and C Samples	Client only
Professional (Discontinued) 9355-WABENE	Supported	Multiple Controllers, Local Clients	Multiple Controllers	N/A	PLC-5 <sup>®</sup> /SLC™	N/A	Client only
Gateway 9355-WABGWENE(SAP) 9355x-RSLCT3xx(Portal)	Supported	Multiple Controllers, Remote Clients	Multiple Controllers	Multiple Controllers	PLC-5 <sup>®</sup> /SLC™	N/A	Client and Server



# 2c. FT Linx Gateway

## Choosing the right edition

Ordering guide

[FTALK-SP013B-EN-P\\_WEB](#)

Catalog number codes: x=Activation -> M=Perp, C=Subs y=Support -> 0=self, 1=8x5, 2=24x7 z=Media -> blank=ESD, M=DVD	<b>Basic</b> 9355x-FTLGWT1yz	<b>Standard</b> 9355x-FTLGWT2yz	<b>Extended</b> 9355x-FTLGWT5yz	<b>Distributed</b> 9355x-FTLGWT3yz	<b>Professional</b> 9355x-FTLGWT4yz
FactoryTalk® application operation tags <sup>1,2</sup>	OPC/MQTT/RTD/ DDE 1K (Single computer)	OPC/MQTT/RTD 5K, DDE 4K (Single computer)	OPC/MQTT/ RTD 15K, DDE 4K (Single computer)	OPC/MQTT/RTD 32K, DDE 4K (Distributed and redundant system)	OPC 500K, MQTT/RTD 40K, DDE 4K, Logix Extended tag properties <sup>2</sup> (Distributed and redundant system)
Standalone operation tags <sup>3</sup>	OPC/MQTT/RTD/ DDE 1K (Single computer)	OPC/MQTT/RTD 5K, DDE 4K (Single computer)	OPC/MQTT/ RTD 15K, DDE 4K (Single computer)	OPC/MQTT/RTD 32K, DDE 4K (Single Computer)	OPC 500K, MQTT/RTD 40K, DDE 4K (Single Computer)
SDK <sup>1</sup>		Multiple devices	Multiple devices	Multiple devices	Multiple devices
Proxy service <sup>1</sup>					Supported
Data Bridge					200K

RSLinx® Classic single node

RSLinx® Classic OEM

RSLinx® Classic Gateway

1. DDE/RTD, SDK, Proxy ≥ v6.31
2. Extended Tag/alarms for via FactoryTalk® application ≥ v6.50, OPC UA, MQTT and RTD ≥ v6.50
3. Standalone ≥ 6.40, Limited to Logix ≥ v17 data from single computer via EtherNet/IP

[RSLinx® Classic and FactoryTalk® Linx Product Comparison - Knowledgebase ID: IN9850](#)  
[Migrating RSLinx® Classic to FactoryTalk® Linx - Knowledgebase ID: QA78777](#)



# 2d. Migration Options

**RSLinx** Classic

● Active Mature

**Single Node**  
9355-WABSNxxx (SAP)  
9355x-RSLCT1xx (Portal)

**OEM**  
9355-WABOEMxxx (SAP)  
9355x-RSLCT2xx (Portal)

**Gateway**  
9355-WABGWxxx (SAP)  
9355x-RSLCT3xx (Portal)

**FT Linc Gateway**  
● Active

**Basic**  
9355-LNXGWBASENE (SAP)  
9355x-FTLNXGWT1xx (Portal)  
(1000 Tags / Local)

**Standard**  
9355-LNXGWSTDENE (SAP)  
9355x-FTLNXGWT2xx (Portal)  
(5000 Tags / Local)

**Extended**  
9355x-FTLNXGWT5xx (Portal)  
(15,000 Tags / Local)

**Distributed**  
9355-LNXGWDSTENE (SAP)  
9355x-FTLNXGWT3xx (Portal)  
(32,000 tags / Network)

**Professional**  
9355-LNXGWPROENE (SAP)  
9355x-FTLNXGWT4xx (Portal)  
(500K tag limit / Network)

**FactoryTalk** Gateway  
● Discontinued

**5000 Tag**  
9355-OPD2350LENE

**32,000 Tag**  
9355-OPD2400LENE

**70,000 Tag**  
9355-OPD2500LENE

**Unlimited Tag**  
9355-OPD0000LENE

\* Stay with RSLinx® Classic if bridging to DH+™, using DDE or remote gateway forwarding with design software.



# | 3. Open Platform Communications (OPC)

Decide on OPC edition

## Continue using OPC-DA

- Benefits
  - Minimal client changes
  - FactoryTalk® Linx Gateway may be configured as a drop-in replacement
- Considerations
  - Limited to scalars and folders
  - Continues using DCOM (Microsoft support longevity?)
  - “Classic” OPC-DA specification retired
  - Will not meet EU CRA



## Switch to OPC UA

- Benefits
  - Improved security
    - Evolving cryptography
    - Reverse connect
    - Client authentications and controls
  - More modern / specification evolving
  - Structures, arrays and advanced data models
  - More functionality
  - Extended life of the application / system
- Considerations
  - Potentially new / updated client software
  - Changes for custom-built clients

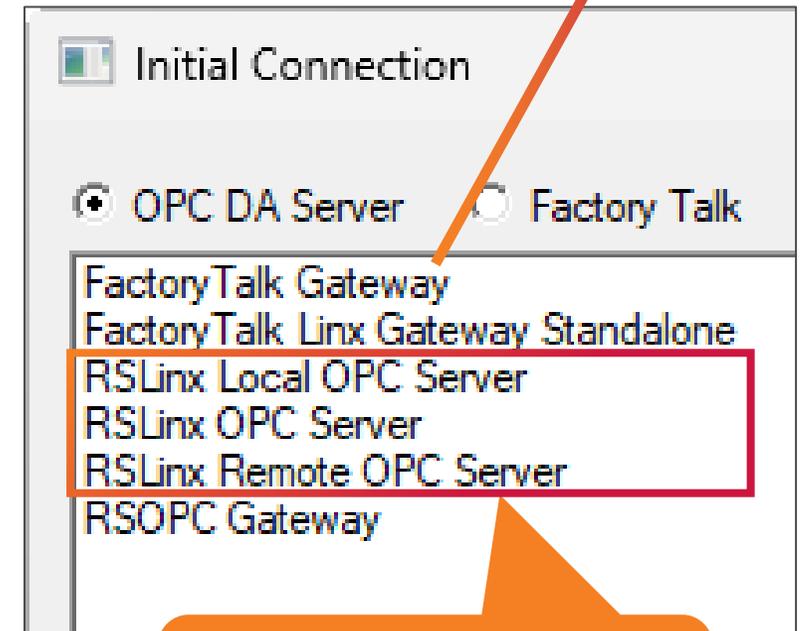
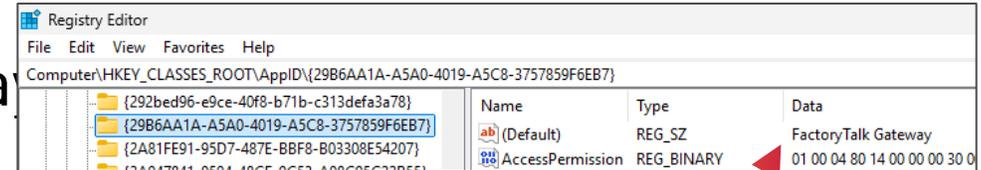


# 4. OPC-DA Server Name

Changing FactoryTalk® Linx Gateway's OPC-DA server name to match RSLinx® Classic

## Simpler switch to FactoryTalk® Linx Gateway

- FactoryTalk® Linx Gateway and RSLinx® Classic have different OPC-DA server names
  - Enables them to both run on a single computer
  - Updating a client may not be possible
- FactoryTalk® Linx Gateway's OPC-DA server name resides in the Windows Registry
- The registry entries can be changed to match RSLinx® Classic's
  - RSLinx® Classic must not be installed on the computer
  - Requires a service restart / restart
  - Uninstall or rename / restart to restore the original names
- Knowledgebase [IN41199](#)



RSLinx® Classic  
OPC-DA Server Names



# 5a. Drivers

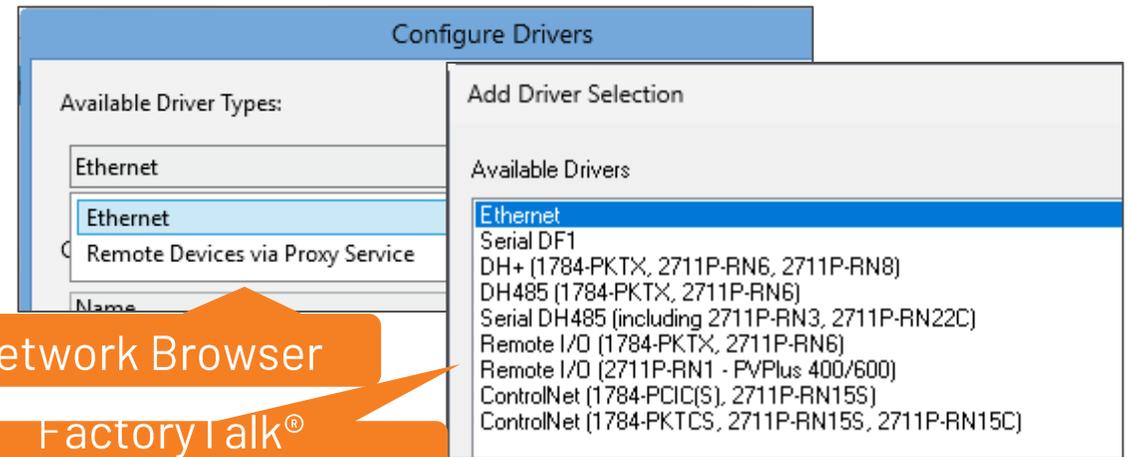
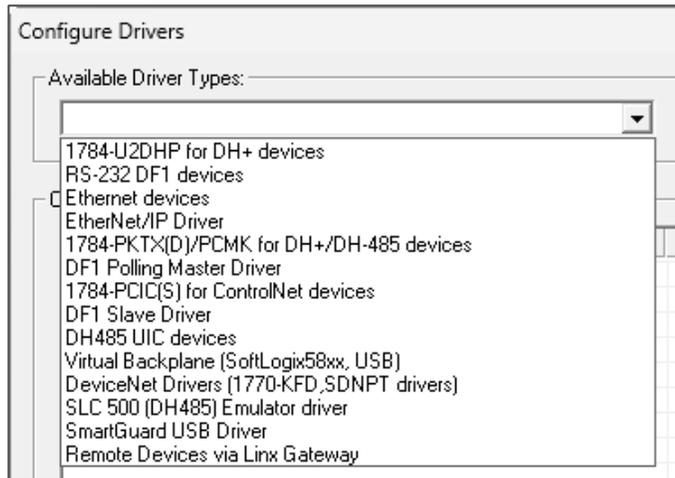
Most common drivers are available in FactoryTalk® Linx

## RSLinx® Classic

- Many legacy drivers
  - 1784 PC cards discontinued
  - Multiple serial DF1 options
  - Two Ethernet drivers (IP / devices)
- USB is automatic via Virtual Backplane



- Network Browser provides primary drivers
  - Ethernet (broadcast & Device / IP List)
  - Remote Proxy Service
  - USB is automatic via Virtual Backplane
- Other legacy drivers in the FactoryTalk® Administration Console



Network Browser

FactoryTalk® Administration Console



# | 5b. Topics to Shortcuts

Data acquisition

## ***RSLinx® Classic***

- Topics point to a device
- Alias topics permit provide multiple routes for a device and uses a tag to switch path
  - Required for Software switching / hot backup
- Supports many controller types
  - PLC-5®
  - SLC™ 500 MicroLogix™
  - Logix 5000®
  - Unsolicited PLC-2®, PLC-5®
  - ControlLogix® redundancy requires IP Swapping (slower switchover recovery)

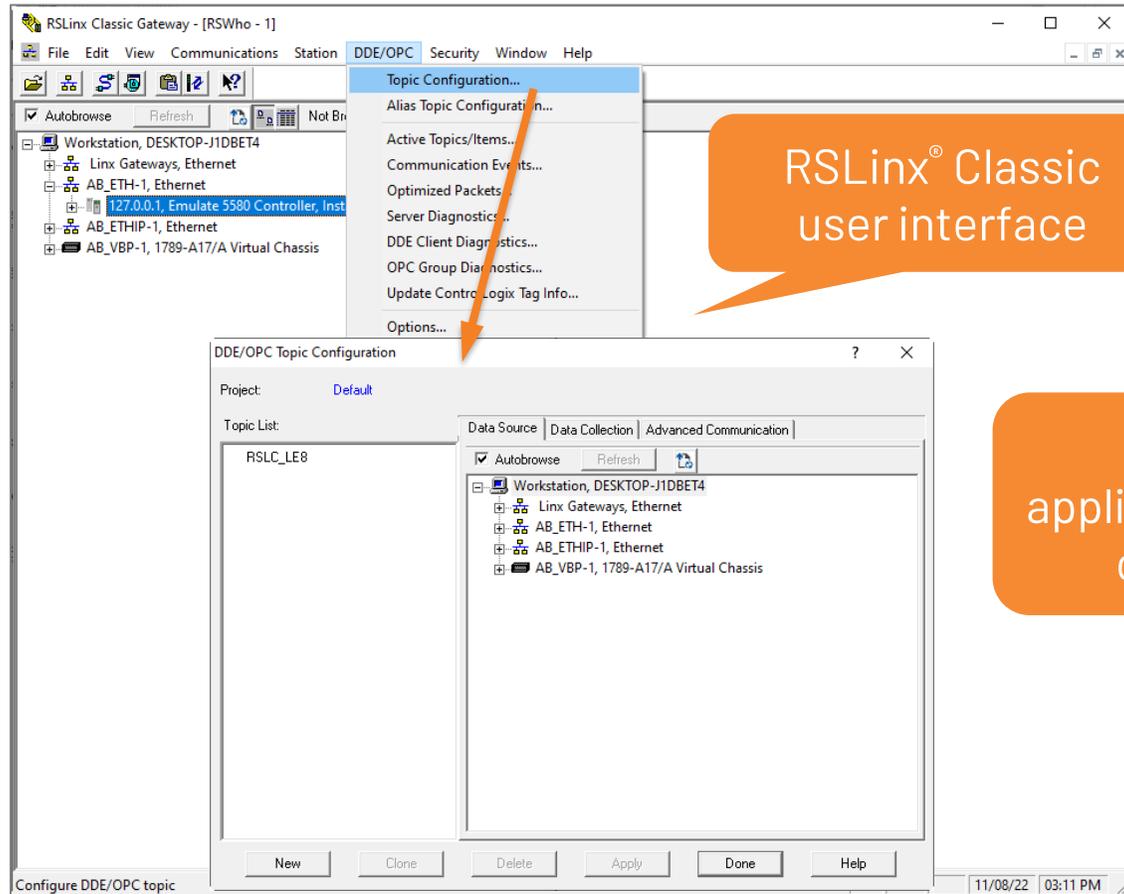


- “Shortcuts” point to a device
- FactoryTalk® Administration Console
  - Processor – Logix 5000®, PLC-5®, SLC™ 500 MicroLogix™
  - Symbolic – PowerFlex®, Micro800™
  - EDS Parameter – Stratix® and others
  - CIP – most EtherNet/IP devices
  - Unsolicited PLC-2®, PLC-5®, Logix 5000®
  - Redundancy
    - Redundant Network and Redundant ControlLogix® Controller shortcuts auto/high speed path switching
    - Software switching / hot backup not currently supported
- FactoryTalk® Linx Gateway Standalone option limited to Logix 5000® ≥ v18

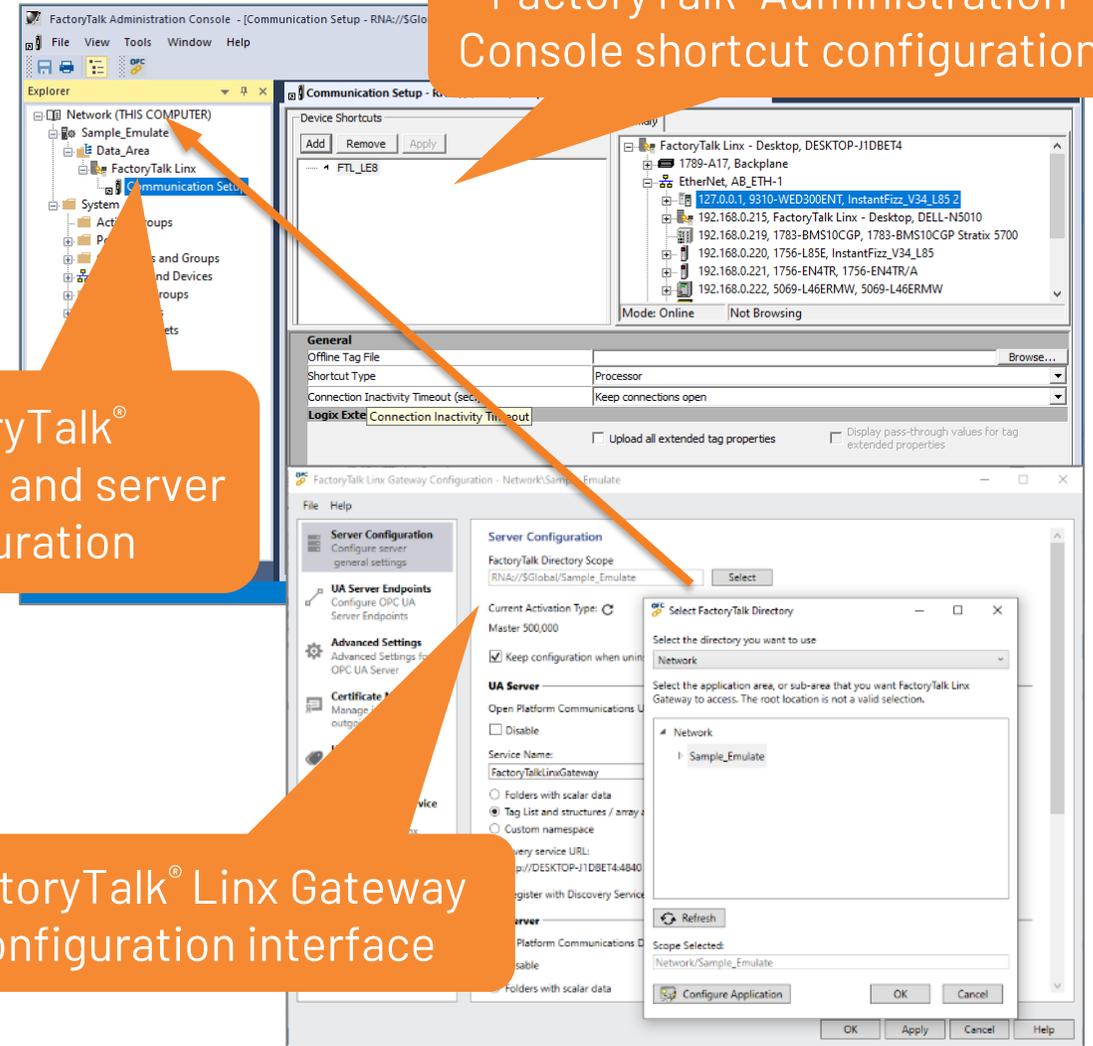


# 5c. Linking to a Controller

RSLinx<sup>®</sup> Classic and FactoryTalk<sup>®</sup> Linx use different approaches



RSLinx<sup>®</sup> Classic user interface



FactoryTalk<sup>®</sup> Administration Console shortcut configuration

FactoryTalk<sup>®</sup> application and server configuration

FactoryTalk<sup>®</sup> Linx Gateway Configuration interface



4 & 5



Conversion of RSLinx® Classic configuration

FTL ≥ v6.21

### Reduces the effort to move to FactoryTalk® Linx

#### Excel workbook to migrate RSLinx® Classic configuration to FactoryTalk® Linx

- Reads RSLinx® Classic software configuration from the Windows Registry
- Converts drivers to format used by FactoryTalk® Linx\* software
- Save the sheet as a CSV and import into FactoryTalk® Linx software ≥ v6.21
- FactoryTalk® Linx version 6.40 Configuration Import/Export tool permits importing drivers without configuring a FactoryTalk® Application

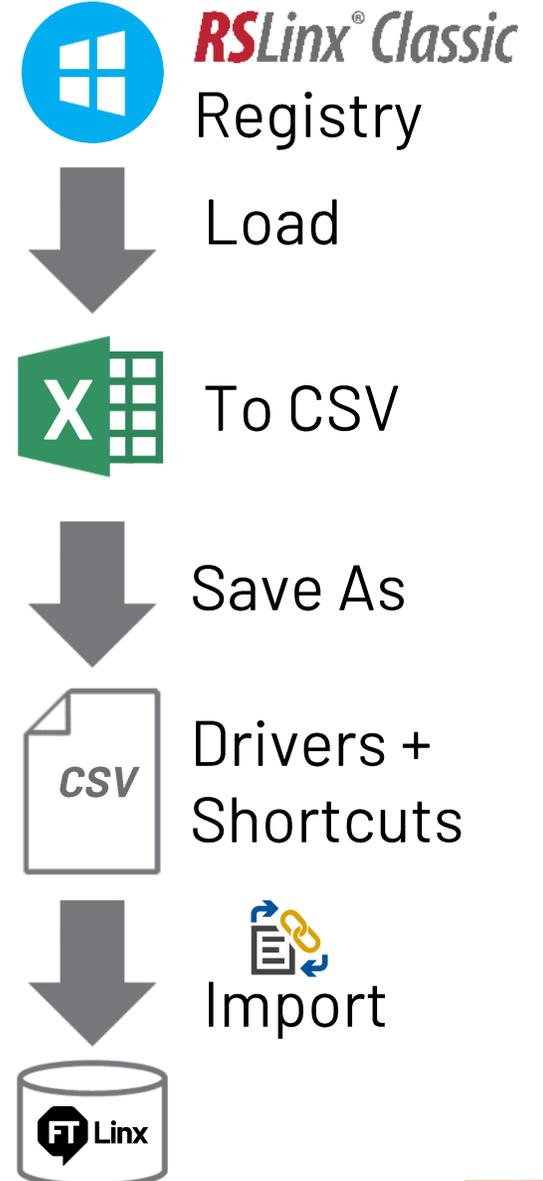
#### Improvements / updates

- v1.03 of the worksheet adds support to include RSLinx® Classic IP comments/descriptions (E.g. 192.168.0.5 "MyDevice")
- V2.00 adds v6.50 NIC parameter, Gateway / TCP driver (to Proxy or single device), and v6.60 version

#### Additional Information

- [QA78777](#) - Migrating RSLinx® Classic to FactoryTalk® Linx
- [IN41199](#) - Renaming the FactoryTalk® Linx Gateway OPC-DA Service
- [QA61597](#) - RSLinx Classic to FactoryTalk® Linx shortcut and driver conversion utility

\* FactoryTalk® Linx Instance two and FactoryTalk® Linx Gateway Standalone service not supported





# Linx Configuration Import/Export Tool

Extract, move, change driver and shortcut configuration

**FactoryTalk® Linx server**

**Drivers and Shortcuts**

**Collision handling**

Driver Name	Driver ID	Param Port	Param Address	Param Adapter	Param Type	Param CardID	Param S
AB_ETH-1	Automatic	18	1	1			
AB_ETHIP-1	Automatic	19	1	1			
Ethernet	Automatic	20	1	1	44818		



## Capability

- CSV file and command line interface
- Full or partial configuration
- Replace or merge, overwrite or skip name collisions
- FactoryTalk® Security and Audit
- v6.40 adds driver only option w/o FactoryTalk® application
- v6.50 patch [1156763](#) & v6.60 resolves driver NIC

## Enhanced productivity

- Automate system configuration and testing
- Text configuration backup
- Use with workbook to migrate from RSLinx® Classic software



# | 6. Tag References

Used by data acquisition client to request data

## ***RSLinx® Classic***

- Tag references represented as:
  - [shortcut]TagName
  - [shortcut]Folder.TagName
- Folders include...
  - Logix scope "Program:ProgramName:"
  - Logix structures and arrays
- Bits can be appended ".Bit#"
- No support for extended properties
  - Extended Tag properties (e.g. Min, Max, EU)
  - Tag descriptions
  - Logix Tag-based alarms
  - PlantPAx® instruction properties
  - Name, shortcut or quality attributes
- FactoryTalk® Design Studio™ Smart Object tags don't match the application format



- Three configurations match RSLinx® Classic
  - Local FactoryTalk® Application
  - Network FactoryTalk® Application with a single FactoryTalk® Linx server at the root (not in an area)
  - FactoryTalk® Linx Gateway Standalone
  - Accepts tags with or without null network prefix "::<"
- Network FactoryTalk® Application with multiple FactoryTalk® Linx servers or areas include a prefix **Area\SubArea:ServerName**[shortcut]Folder.TagName
  - Requires client changes to access data
- @Extended properties supported by FactoryTalk® Linx Gateway Professional
- FactoryTalk® Design Studio™ Smart Object tags presented consistent with the application (v6.60)

# When to use **RSLinx® Classic**

While FactoryTalk® Linx software covers most capabilities from RSLinx® Classic software, RSLinx® Classic is still viable for select operations.

## Legacy communication

- Serial DF1 multi-drop/radio modem
- FLEX™ I/O module discovery
- Logix PLC/SLC Memory mapped tags

## Device configuration

- 1756-DHRIO module configuration
- 1756-RM & 1756-RM2 FW <v20

## Alias topics

- Flexible communications for redundant networks and CompactLogix® Hot Backup module

## Legacy software

- RSLogix™ 5/500, RSNetWorx™ software
- RSLogix 5000® & Studio 5000® Logix Designer software <version 31
- Others...

RSLinx® Classic software is Active Mature, no new features are planned.

Purchased editions transition to End of Life in 2026 with a discontinuation planned in early 2030

Lite edition will be maintained and supported for many more years.

**FactoryTalk® Linx** is designed, tested, and built alongside the latest Logix hardware and software.

☑ modern, ☑ availability, ☑ efficiency

(Starting with version 38 Studio 5000® Logix Designer™ only uses FactoryTalk® Linx)

See Knowledgebase ID: [QA61597](#) to migrate configuration



Thank you

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