

Studio 5000® Application Code Manager

Studio 5000 ACM 程序代码管理工具

PUBLIC



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**Rockwell
Automation**

议程安排 Agenda

Studio 5000® Application Code Manager 简介

Library Management 简介

Project Execution 演示

Rockwell Software®

Studio 5000®



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Studio 5000®

简化您的设计之旅

Simplifying your design journey

Studio 5000® 设计环境

Rockwell Software®

Studio 5000®



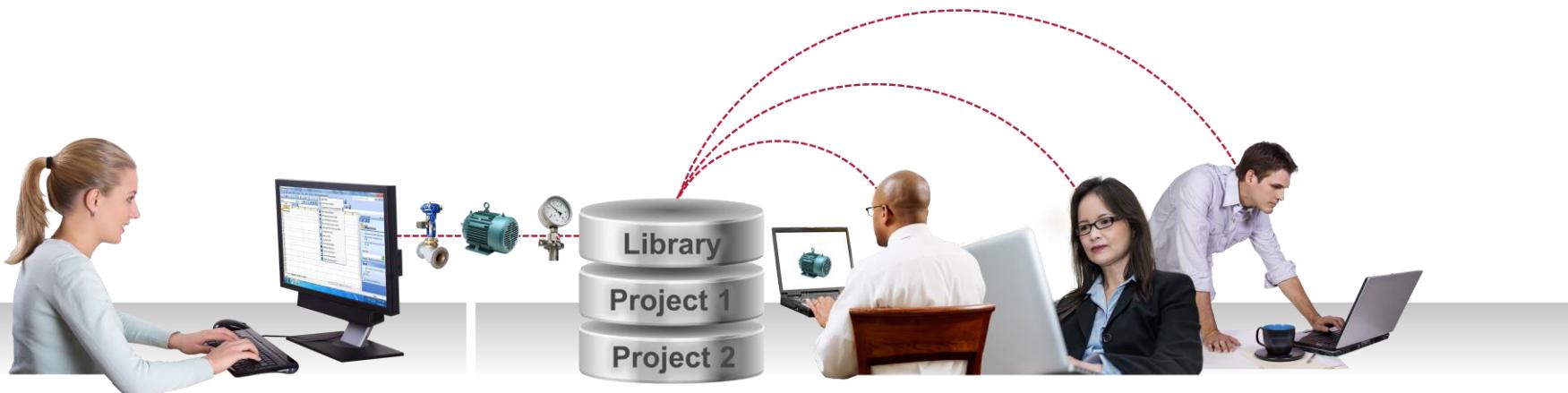
应用程序代码管理器是一种能够使用可重用代码的库实现更高效的项目开发的工具。您可以使用可使用的内容创建可自定义配置参数的模块化对象，从而可以指定如何在项目中使用对象的相关信息。应用程序代码管理器创建的不仅是模块化对象的编码，而且还创建了相关的可视化、历史和报警元素。

多组件的直观的设计和配置软件套件

An intuitive design and configuration software suite with multiple components

Studio 5000® Application Code Manager

- 工程设计工具 Engineering Design Tool:
 - 快速开发 Rapid application development
 - 有效利用库资源 Leverages Library Content (provided or custom)
 - 重复使用 Facilitates continuous re-use of IP / enforce standards
- 以下产品可以自动生成，有助于建立内容 Auto content generation for:
 - Studio 5000 Logix Designer®
 - FactoryTalk® View
 - FactoryTalk® Alarm and Events
 - FactoryTalk® Historian
- 配置参数-应用程序代码管理器内的模块化对象被嵌入配置参数，允许您指定模块化对象如何在项目中使用的所有相关信息和编程



设计 DESIGN

- Library Designer 集成于 Logix Designer
- 灵活的库创作，构建可重复使用的内容

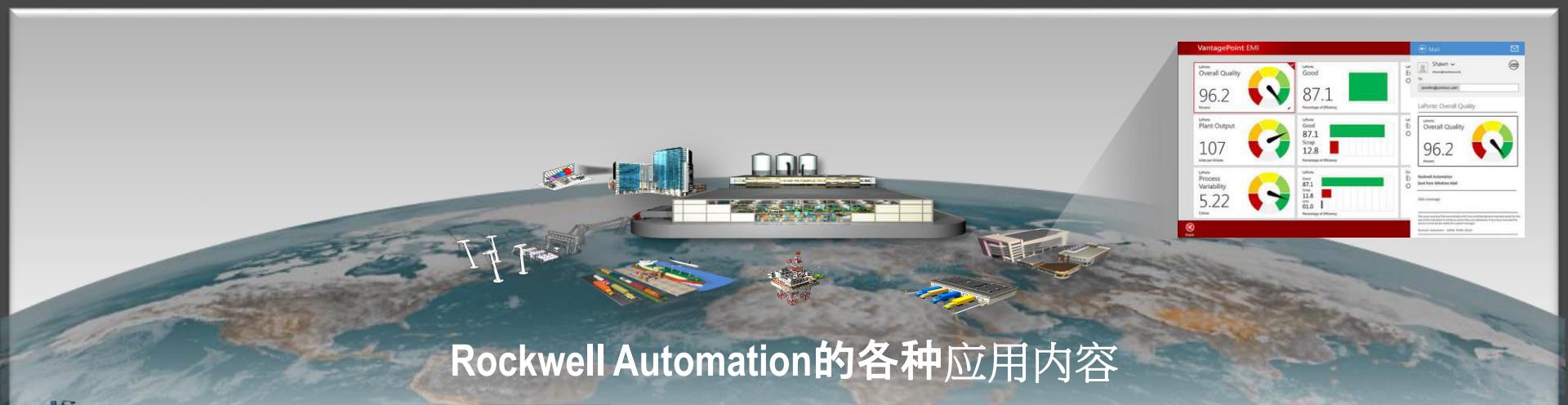
发布 PUBLISH

- 合并所有 control, visualization, historical 和 alarm 管理于同一个库对象之中
- 易于访问和版本管理的集中存储库

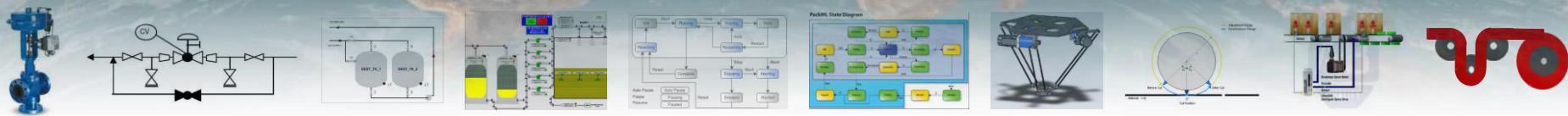
建设项目 BUILD

- 轻松生成标准化应用程序代码
- 批量配置项目
- 利用罗克韦尔自动化®提供的 PlantPAx®库资源

最大限度地重用和快速建设项目 Maximize reuse and quickly build projects



Rockwell Automation的各种应用内容

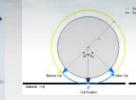
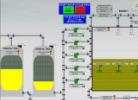
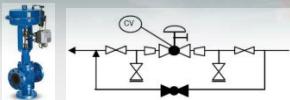


集成架构





Rockwell Automation的各种应用內容



方案
Solutions

Connected Production

Serialization

RA-Brew

RAPID

Line Balancing

优化系统
Packages

Opti-TMC (Turbo Machinery)
Opti-SIS (Process Safety)
Opti-Lift (Artificial Lift)

Opti-Pump

Serialization Library

Industry Libraries

RAPID Machine Library

库
Libraries

Process Objects Library

Machine Builder Libraries

设备 Devices

Accelerators

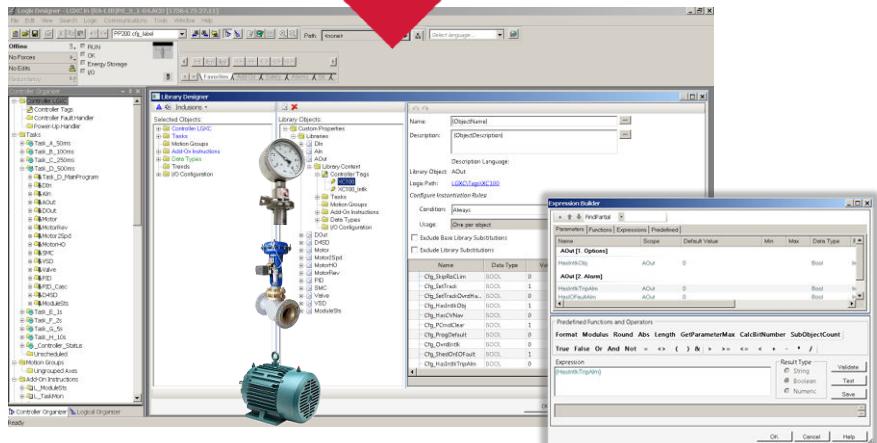
Design & Publish 库

静态内容转换为动态库内容！

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第一步：
建立库的内容

Logix
Control Code Alarms &
Events FactoryTalk®
View FactoryTalk®
Historian



第二步：
将库的内容参数化

第三步：
发布 Publish

建立 Project 内容

通过配置轻松地部署项目内容，无需编程！

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1: 从库里选择对象



2: 配置参数

Analog Input Channel Object

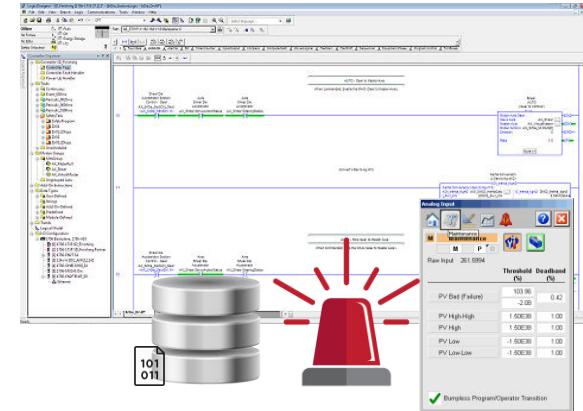
Name:	PT100
Description:	Inlet pressure
Units	bar
Minimum	
Maximum	10

Motor Control Object

Name:	M101
Description:	Drum motor
Motor Type	Single
<input checked="" type="checkbox"/> Reversing	<input type="checkbox"/> YES
<input type="checkbox"/> Two Speed	<input type="checkbox"/> E1 Plus
<input type="checkbox"/> Hand Operated	<input type="checkbox"/> E3/E3 Plus
	<input checked="" type="checkbox"/> E300



3: 生成 Generate





LISTEN.
THINK.
SOLVE.®

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高效项目设计 Efficient Project Design

Studio 5000® Application Code Manager – 最大化重用快速生成项目

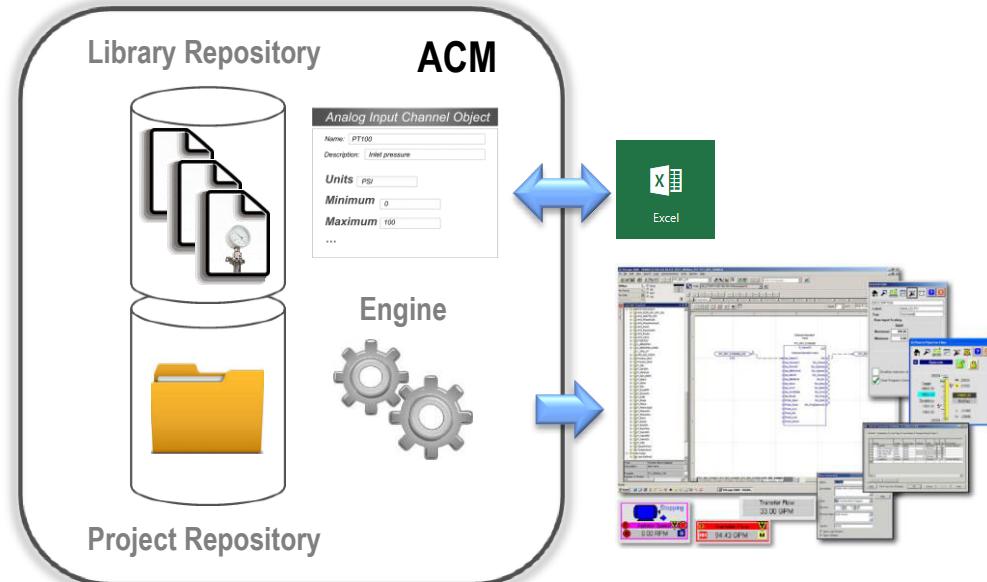
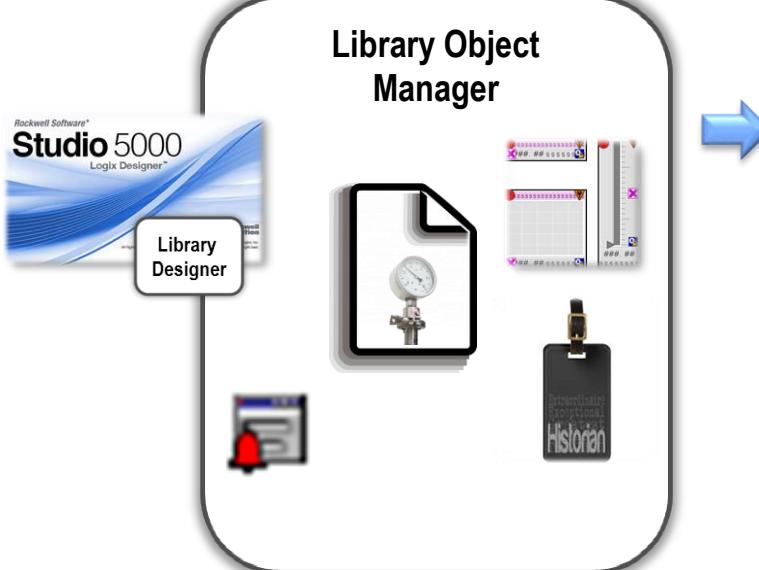
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设计 Design
Library Management

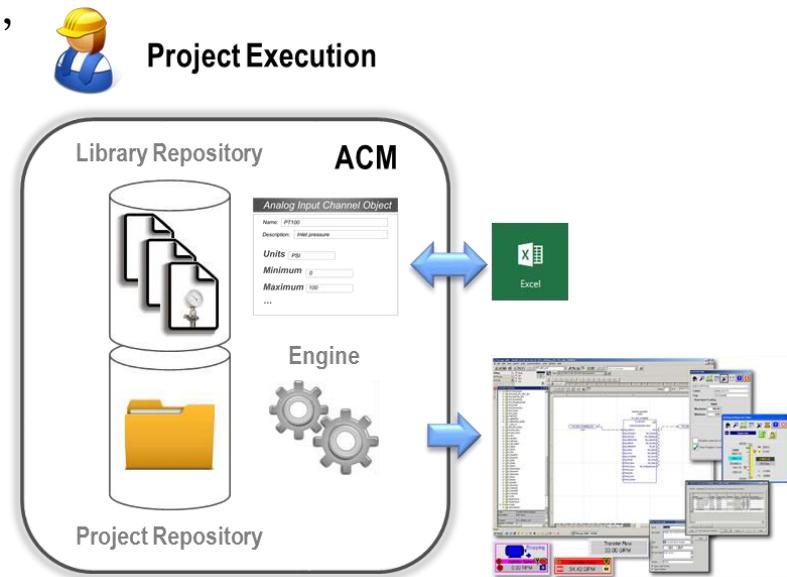


生成 Build
Project Execution



高效项目设计 Efficient Project Design

- 通过选择库对象，并提供特定的项目配置数据，快速地配置项目内容
 - PT100, 入口压力, 0-100 PSI
- 一旦配置（非编程）是完整的，容易产生项目数据
 - Studio 5000 Logix Designer®
 - FactoryTalk® View
 - FactoryTalk® Alarm and Events
 - FactoryTalk® Historian



生成 Build 快速的项目预览

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Application Code Manager (localhost\SQLACM.ACM)

File Edit Tools Help

Project - myProject

Name: LT100

Description: Level

Catalog Number: AIn (1.0)

Solution: (RA-LIB) Process 3.5

Parameters

1. Selection

Type: Basic Analog Input (P_AIn)

HasChanObj: False

2. Options

HasHiAlm: False

HasHiAlm: False

HasLoAlm: False

HasLoLoAlm: False

HasFallAlm: False

3. Alarm

HasHiAlm: False

HasHiAlm: False

HasLoAlm: False

HasLoLoAlm: False

HasFallAlm: False

4. Process Variable

EU: %

PVEUMin: 0.0

PVEUMax: 100.0

HISTORIAN Configuration

AIn_Val: FTHistorianSE_Server.ScanClass.Float32

AIn_SrcQ: FTHistorianSE_Server.ScanClass.SrcQ

AIn_Val_Fault: FTHistorianSE_Server.ScanClass.P_AIn_Val_Fault

HMI Configuration

SEAssocDisplay: GO_P_AIn

MEAssocDisplay:

AIn_Display_Element:

HasChanObj

Version: 1.00.04

Apply changes...

可以调用的库文件

对象的配置

项目树状结构

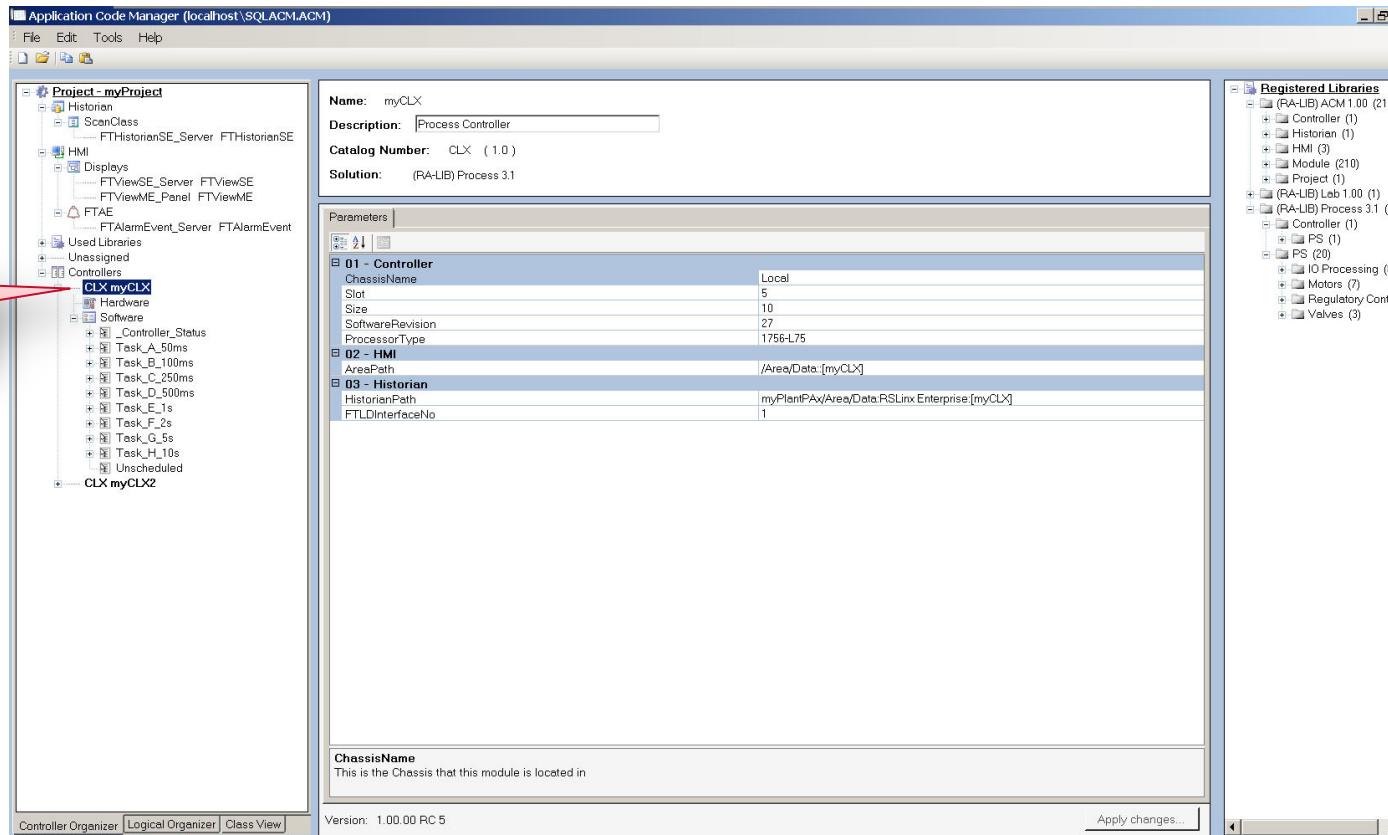
Registered Libraries

- (RA-LIB) ACM 1.00 (1)
- (RA-LIB) Lab 1.00 (1)
- (RA-LIB) Process 3.1 (14)
- (RA-LIB) Process 3.5 (14)
 - Controller (1)
 - PS (1)
 - PS (13)
 - IO Processing (4)
 - AIn (1.0)
 - ADut (1.0)
 - DIn (1.0)
 - DDut (1.0)
 - Motors (6)
 - Motor (1.0)
 - Motor2Spd (1.0)
 - MotorHO (1.0)
 - MotorRev (1.0)
 - SMC (1.0)
 - VSD (1.0)
 - Regulatory Control (1)
 - PID (1.0)
 - Valves (2)
 - D4SD (1.0)
 - Valve (1.0)

处理器的配置 Controller Configuration

快速的项目预览

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处理器
配置

Name: myCLX
Description: Process Controller
Catalog Number: CLX (1.0)
Solution: (RA-LIB) Process 3.1

Parameters

01 - Controller	
ChassisName	Local
Slot	5
Size	10
SoftwareRevision	27
ProcessorType	1756-L75
02 - HMI	
AreaPath	/Area/Data.[myCLX]
03 - Historian	
HistorianPath	myPlantPAx/Area/Data.RSLinx Enterprise [myCLX]
FTLInterfaceNo	1

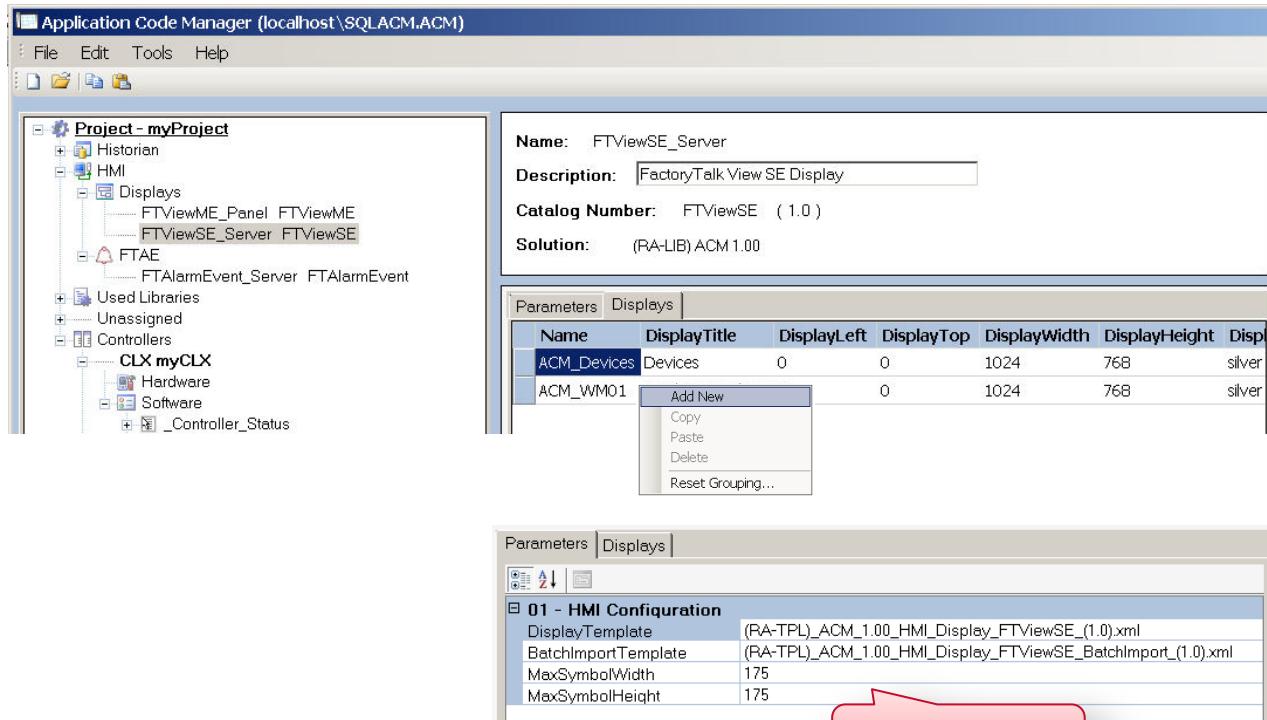
ChassisName

This is the Chassis that this module is located in

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FactoryTalk® View 画面 快速的项目预览

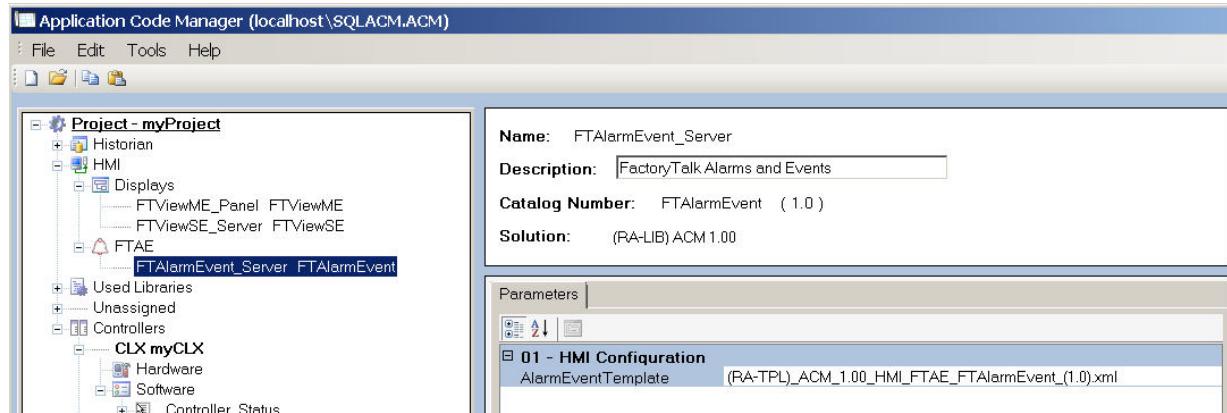
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FactoryTalk® Alarms and Events

快速的项目预览

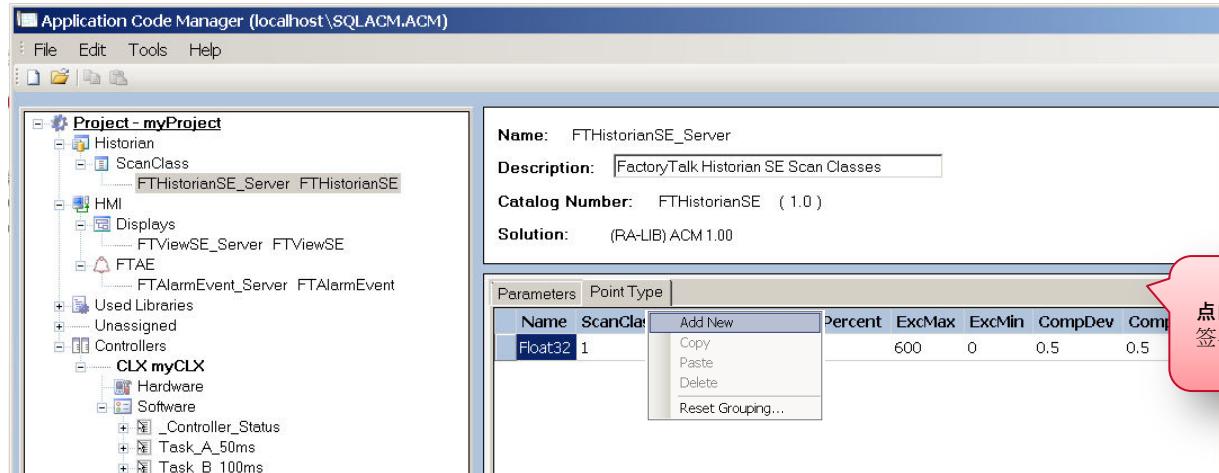
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Automation



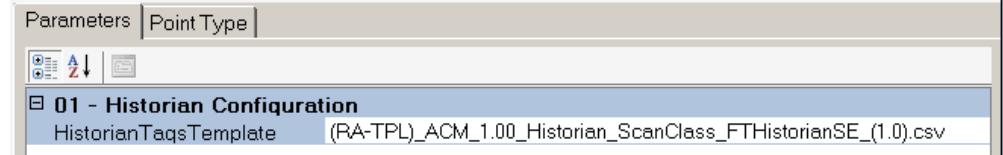
Historian 历史数据库配置

快速的项目预览

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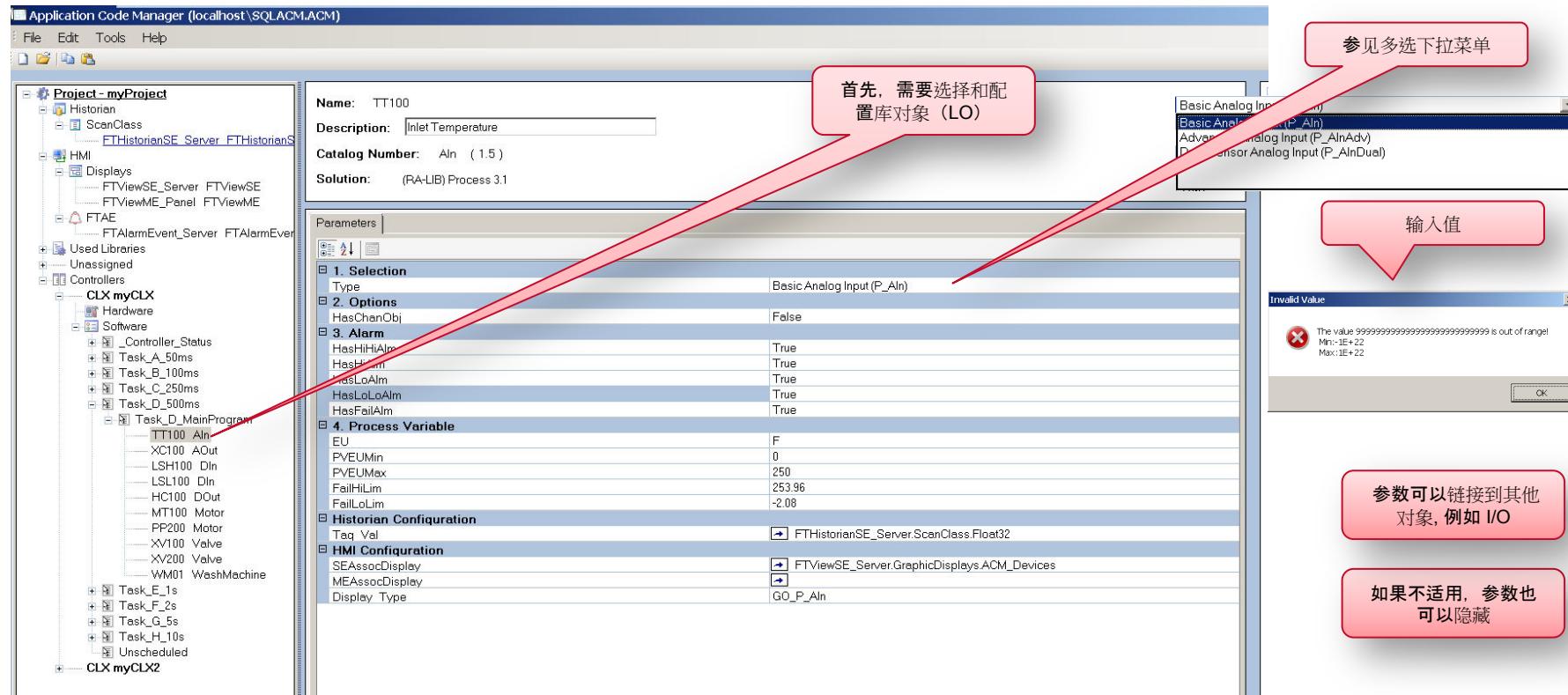


点的类型是用于historian标
签导入配置



库文件对象的参数 快速的项目预览

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大批量的配置 Bulk Configuration

导入导出管理器 Import / Export Manager

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- 配置数据可以在应用程序代码管理器和微软的应用程序代码管理器之间交换

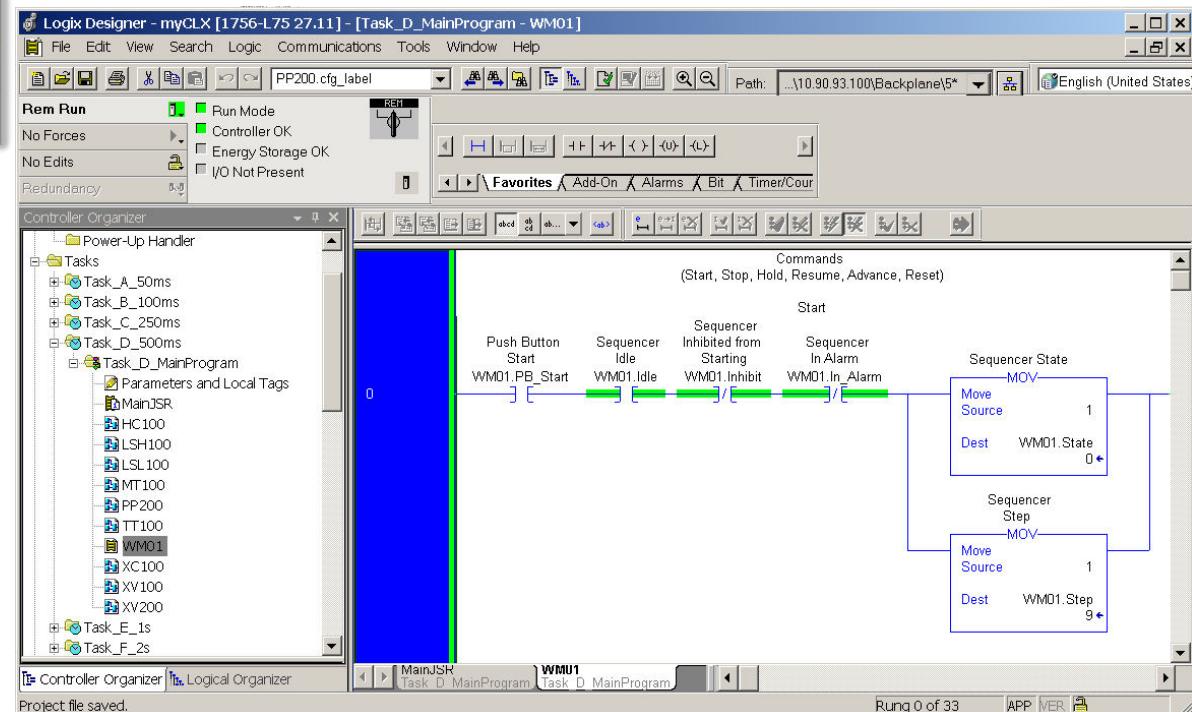
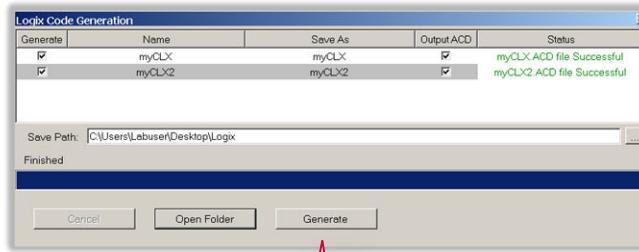
The screenshot shows the 'Import Export Manager' application interface. A red callout box points to the title bar with the text '导入导出管理器'. The application window displays a configuration export dialog with options like 'All Projects' or 'Complete Project' selected, and a dropdown for 'Type' set to 'Program'. Below the dialog is a preview table of configuration objects:

	A	B	C	D	E	F	G	H
1	:Library(AIn, [RA-LIB] Process 3.1, Major 1, Minor 5, ID F08D9FDD-FDF3-4CE6-85B5-46C7AF024FE8)							
2	:Objects							
3	Name	Controller	Program	Display Name	Description	P_HasChanObj	P_HasHiHiAlm	P_HasHiAlm
4	\$XT100			AIn	Description	0	0	0
5	TT100	myCLX	Task_D_MainProgram	AIn	Tank 100 Inlet Temperature	0	1	1
6	TT101	myCLX	Task_D_MainProgram	AIn	Tank 100 HeatX Temperature	0	1	1
7	TT200	myCLX	Task_D_MainProgram	AIn	Tank 200 Inlet Temperature	0	1	1
8	TT201	myCLX	Task_D_MainProgram	AIn	Tank 200 HeatX Temperature	0	1	1
9	TT300	myCLX	Task_D_MainProgram	AIn	Tank 300 Inlet Temperature	0	1	1
10	TT301	myCLX	Task_D_MainProgram	AIn	Tank 300 HeatX Temperature	0	1	1
11	TT401	myCLX	Task_D_MainProgram	AIn	Tank 400 Inlet Temperature	0	1	1
12	TT402	myCLX	Task_D_MainProgram	AIn	Tank 400 HeatX Temperature	0	1	1
13	TT500	myCLX	Task_D_MainProgram	AIn	Tank 500 Inlet Temperature	0	1	1
14	TT501	myCLX	Task_D_MainProgram	AIn	Tank 500 HeatX Temperature	0	1	1
15								
16								

配置、生成 When Ready, Build Your Stuff

ACM一键生成内容

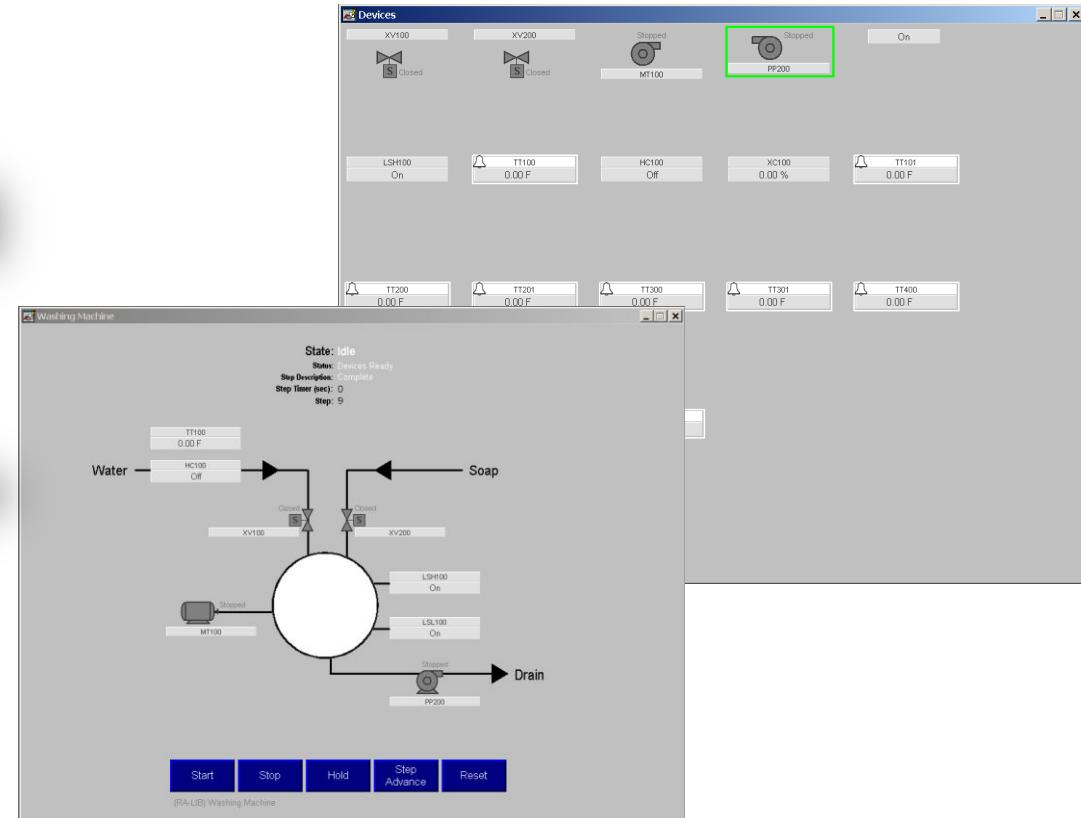
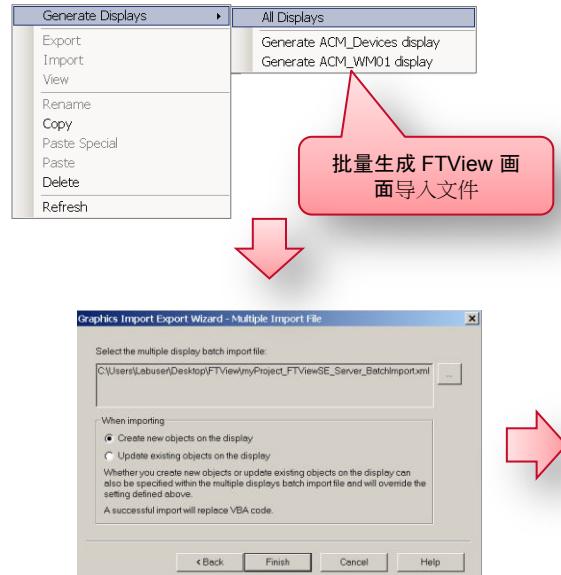
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配置、生成 When Ready, Build Your Stuff

ACM一键生成内容

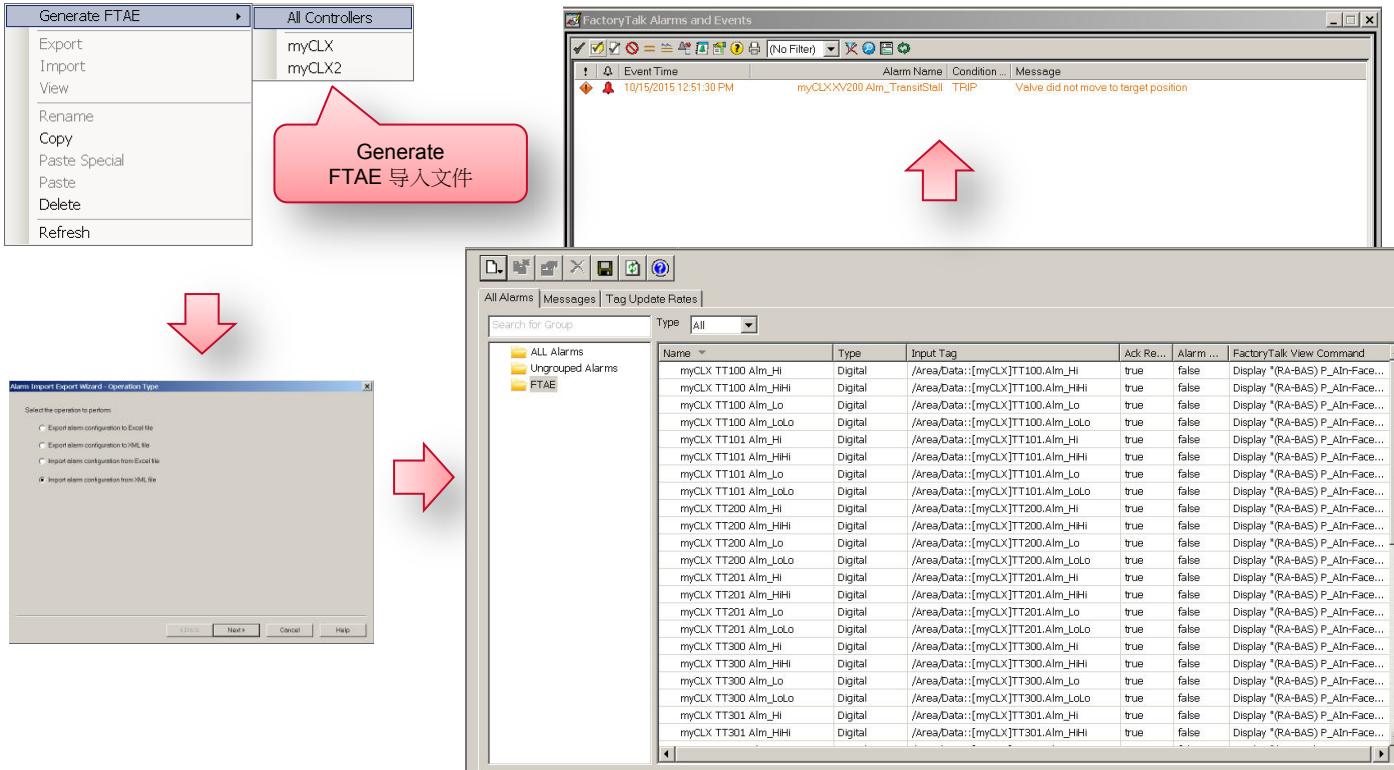
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配置、生成 When Ready, Build Your Stuff

ACM一键生成内容

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Automation



配置、生成 When Ready, Build Your Stuff

ACM一键生成内容

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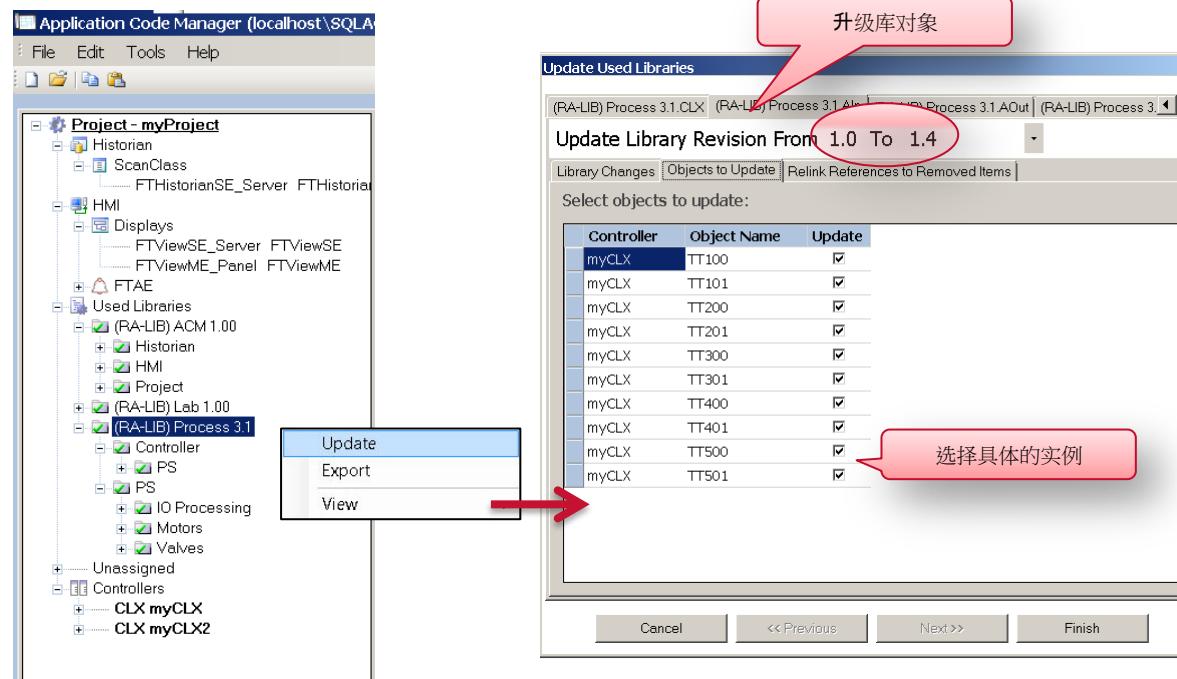
The screenshot shows the Rockwell Automation Configuration Manager interface. A context menu is open over a controller named "All Controllers". The menu includes options like Generate Historian, Export, Import, View, Rename, Copy, Paste Special, Paste, Delete, and Refresh. A red callout box highlights the "Generate Historian" option, with the text "从标签表中，生成 FTHistorian 快速导入文件" (Generate FTHistorian quick import file from the tag table) overlaid. Below the menu, an Excel spreadsheet titled "myProject_FTHistorianSE_Server_HistorianImport.csv - Excel" is displayed. The spreadsheet contains data for configuring historian archiving, with columns for descriptor, digitalset, displaydig, engunits, excdev, excdevper, excmax, excn, exde, filter, instrumenttag, and various numerical values.

	A	B	C	Q	R	S	T	U	V	W	X	Y	Z	
1	Select (x)	Tag	archiving	descriptor	digitalset	displaydig	engunits	excdev	excdevper	excmax	excn	exde	filter	instrumenttag
2	x	myCLX.TT100.Val		1 Tank 100 Inlet Temperature		5 F		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
3	x	myCLX.XC100.Val_Cv		1 Tank 100 HeatX Temperature		5		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
4	x	myCLX.TT200.Val		1 Tank 200 Inlet Temperature		5 F		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
5	x	myCLX.TT201.Val		1 Tank 200 HeatX Temperature		5 F		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
6	x	myCLX.TT300.Val		1 Tank 300 Inlet Temperature		5 F		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
7	x	myCLX.TT301.Val		1 Tank 300 HeatX Temperature		5 F		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
8	x	myCLX.TT400.Val		1 Tank 400 Inlet Temperature		5 F		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
9	x	myCLX.TT401.Val		1 Tank 400 HeatX Temperature		5 F		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
10	x	myCLX.TT500.Val		1 Tank 500 Inlet Temperature		5 F		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
11	x	myCLX.TT501.Val		1 Tank 500 HeatX Temperature		5 F		0.25	0.25	600	0	0	myPlantPAX/Area/Data:RSUn	
12														
13														
14														

长期的项目中，轻松升级每一版本的对象

参见“Used Libraries”

- 如果一个新的对象版本可用，可以很容易地更新您的配置数据



轻松的生成项目相关报告

打破项目开发黑盒，查看详细项目开发报告

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- 库文件使用，硬件布局，对象引用，I/O调度，项目历史等等

Module I/O Schedule for Rack Module for Local_01

I/O Schedule

Module: Local_01

Type: 1756-IB16

Description: Digital Input 10-31.2V DC 16Pts

IO	Type	Module	Description
00	DI		
01	DI		
02	DI		
03	DI		
04	DI		
05	DI		
06	DI		
07	DI		
08	DI		
09	DI		
10	DI		
11	DI		
12	DI		

Chassis Layout for Local Local

Chassis Layout

Chassis: Local

Slot: 1

Chassis Layout

Chassis: Local

Slot	Module	Module Type	Information
0	myCLX - Controller Library	1756-L65E	MajorRev: 25
1	Local_01 - Digital Input 10-31.2V DC 16Pts	1756-IB16	Channels: Total: 16 - Used: 0
2	Local_02 - Digital Output 10-31.2V DC 32 Pts	1756-OB32	Channels: Total: 32 - Used: 0
3	Local_03 - Analog Input 4-20 ma Single Ended 16 Pts	1756-IF16	Channels: Total: 16 - Used: 0
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

3/17/2015 12:14:15 PM

1 of 1

查看库文件内容

查看每个版本的库对象的视图配置

The screenshot displays the Rockwell Automation Studio interface with three main windows:

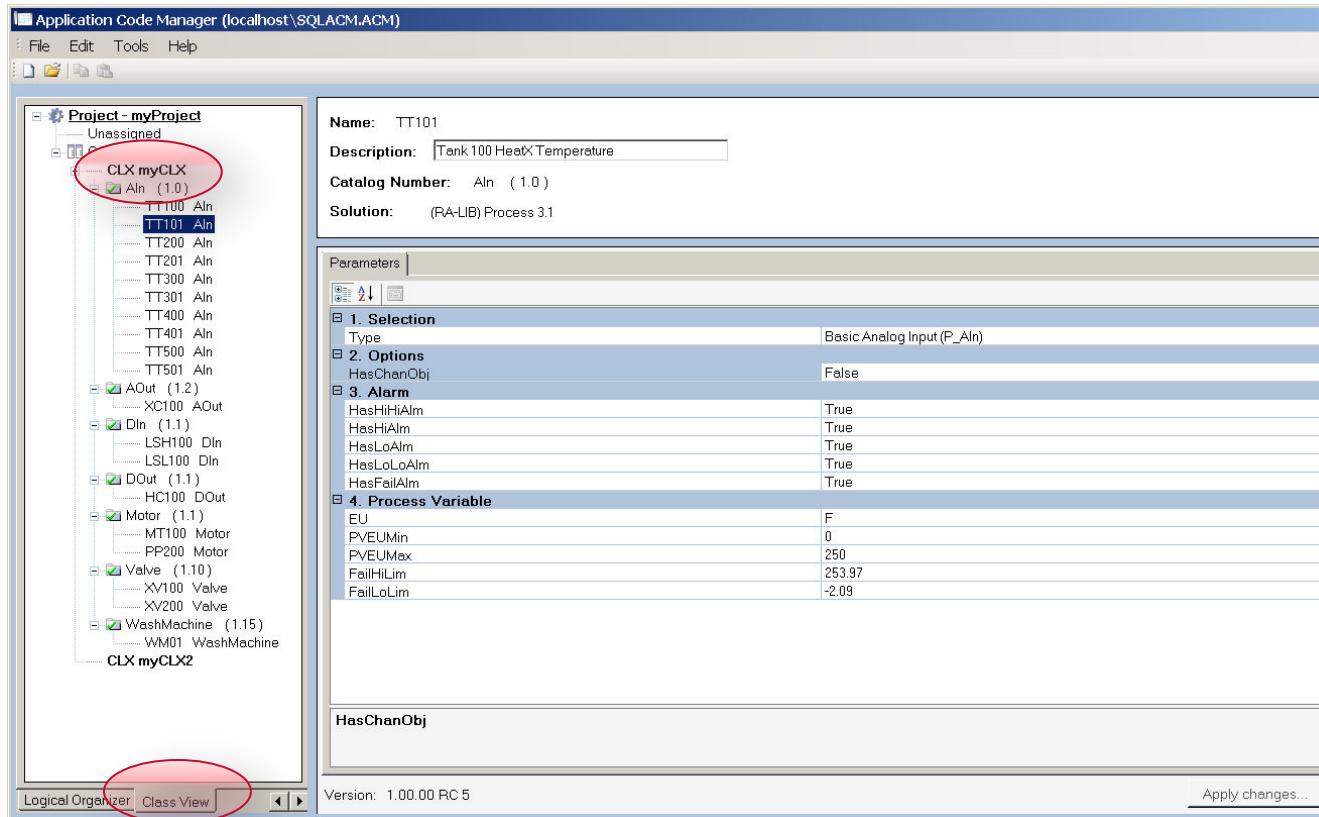
- Top Window:** Shows the properties for a "DOut" object:
 - Name: DOOut
 - Description: Digital Output
 - Catalog Number: DOOut (1.1)
 - Solution: (RA-LIB) Process 3.1
- Middle Window:** Displays the "Revision History" tab for the "DOOut" object, showing two revisions:

Revision	Modified By	Modified Date	Major Rev	Minor Rev	Description
1.0	WIN7-VM\Labuser	Tue Oct 06 11:52:44 2015	1	0	Initial
1.1	WIN7-VM\Labuser	Tue Oct 06 11:54:12 2015	1	1	Added ViewSE
- Bottom Window:** Displays the "Programs" tab for the "DOOut" object, showing a list of routines and their details.

A vertical sidebar on the right lists "Registered Libraries" with several entries expanded, including "IO Processing" which contains various analog and digital input/output objects.

类的视图

有逻辑视图，也有类视图，可以按照引用记录查看库对象



库的管理 Library Management

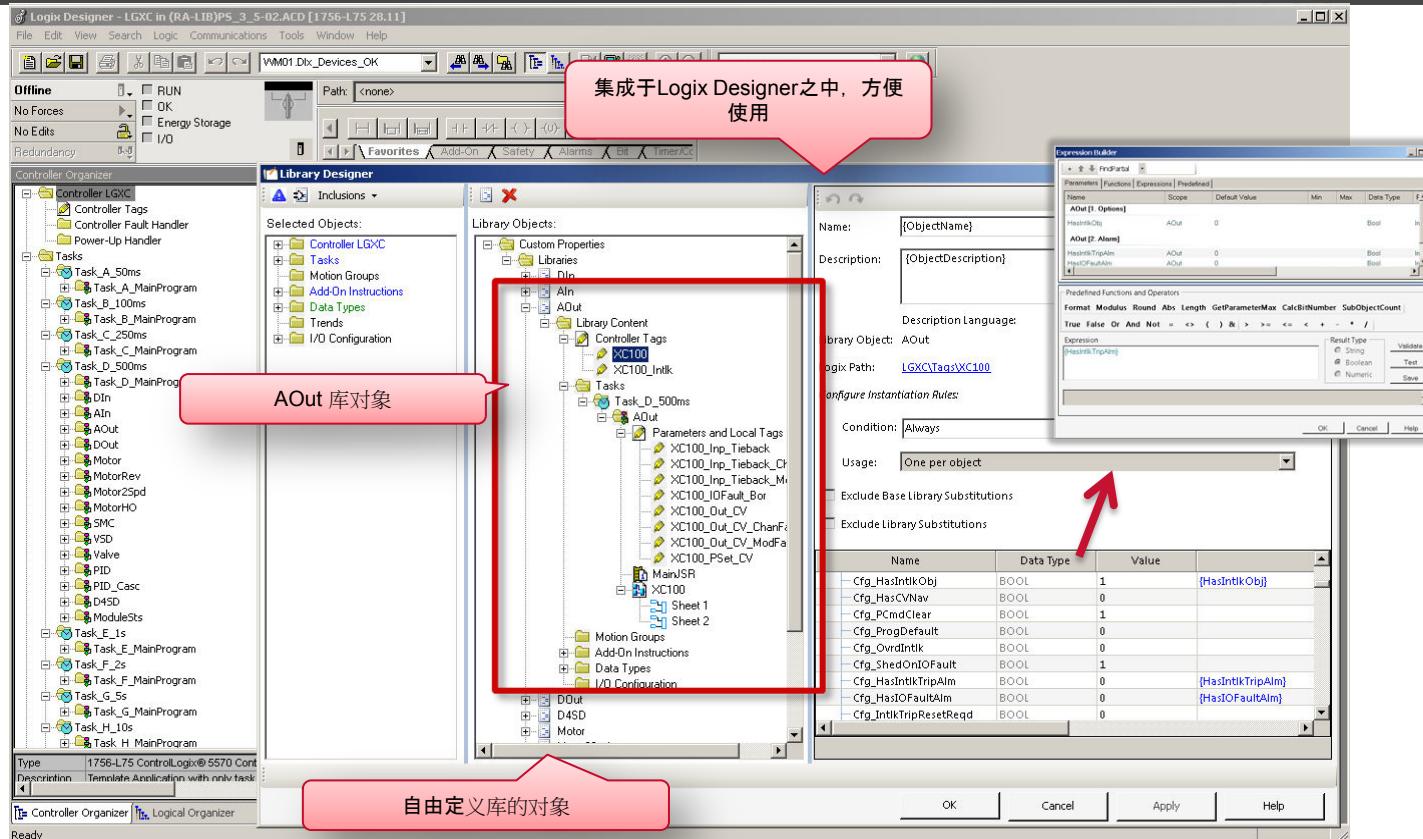
- 可以直接在Logix Designer 和 FactoryTalk® View Studio中创建库的内容
- 直接在Logix Designer中调用Library Designer, 使库内容参数化以便重复使用 (parametrize the content making it reusable)
- 整合 Logix, FactoryTalk® View SE 和 ME, FactoryTalk® Historian 还有 FactoryTalk® Alarms Events 所有内容于同一个库中
- 可以直接发布到 Application Code Manager 数据库中



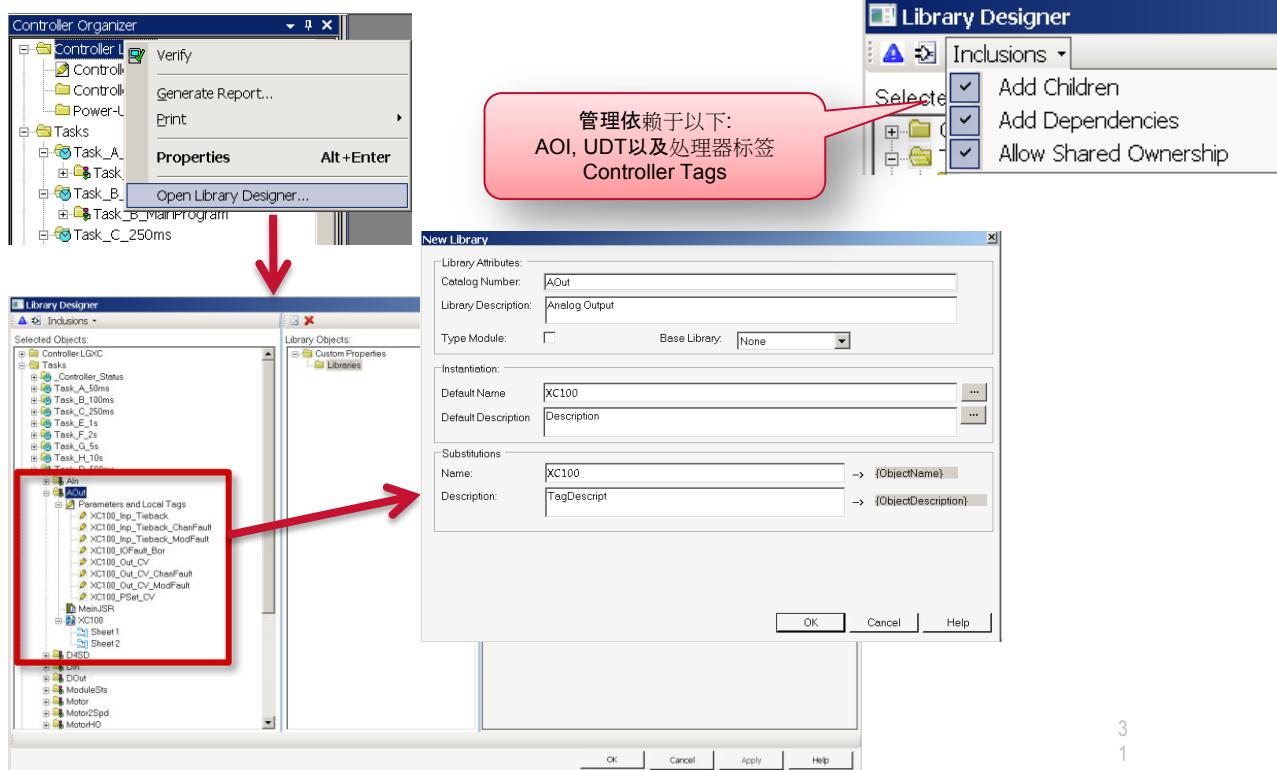
库的管理 Library Management

库设计工具 Library Designer

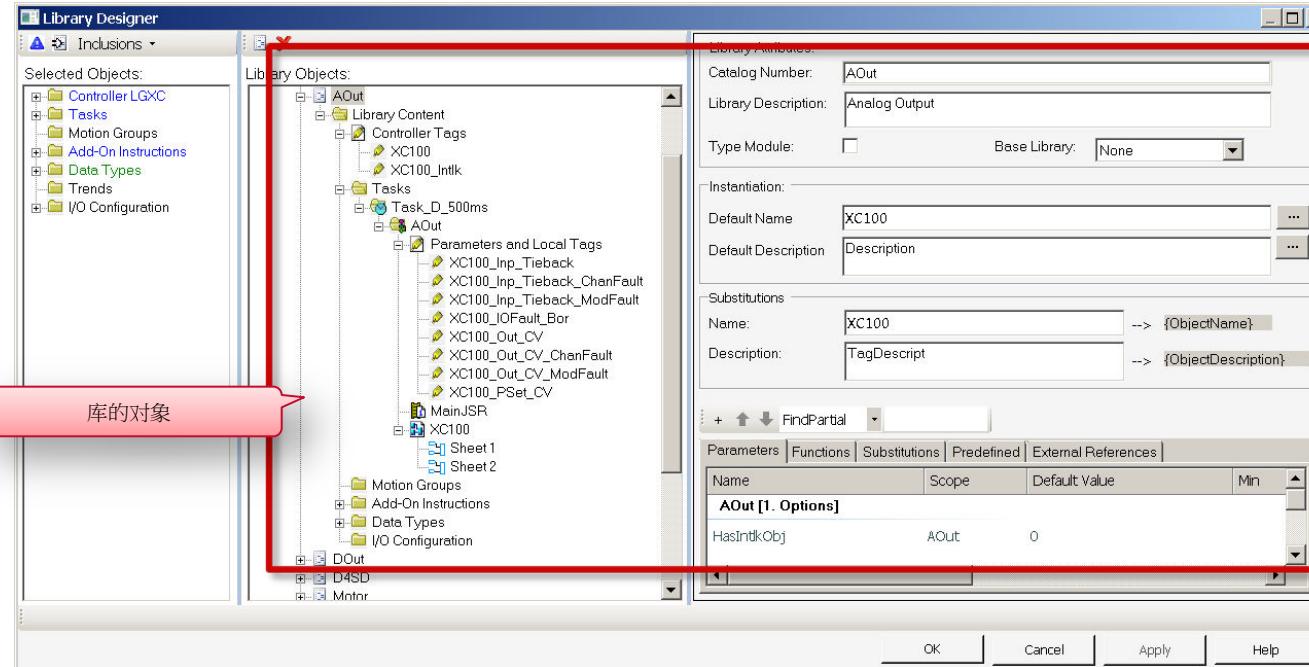
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在Studio 5000 Logix Designer® 中创建库对象



库对象的组成



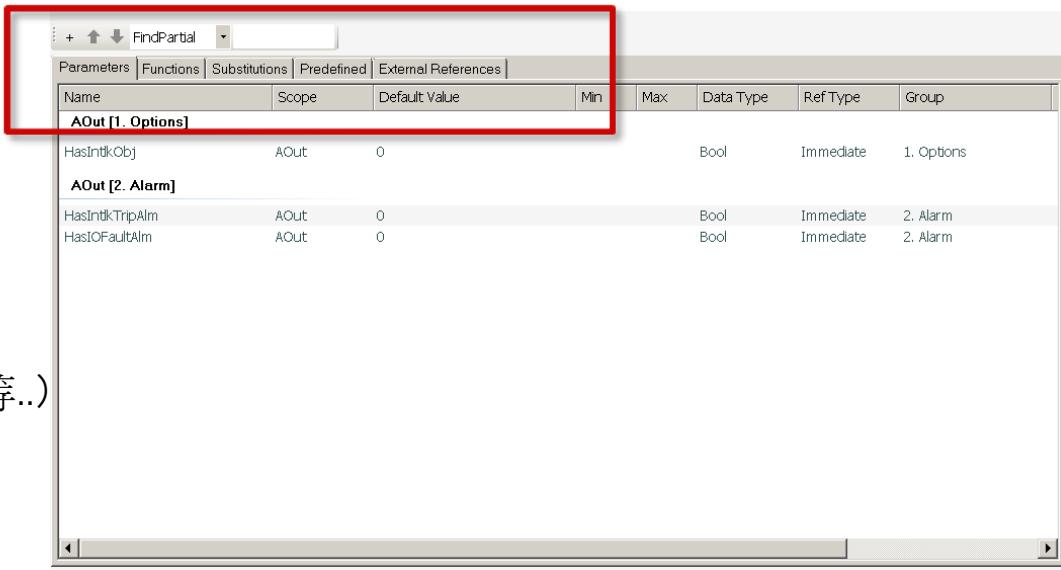
“修饰”库的对象

库的对象需要通过以下方式“修饰”

- **参数tab Parameters**
- **函数tab Functions**
- **替换tab Substitutions**
- **预定义tab Predefined (substitutions)**
- **外部援引 External Reference**

分别控制了以下内容，后面分别介绍...

- 替换（实例名称、描述、实例的位置，等..）
- 标签值
- 条件包含（常规、梯级、标签等）
- 对象到其他对象的引用
- 联锁/许可



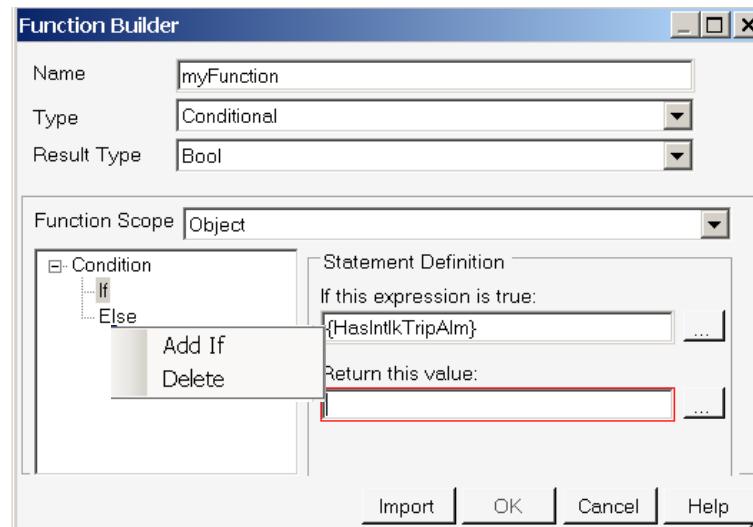
Name	Scope	Default Value	Min	Max	Data Type	Ref Type	Group
AOut [1..Options]							
HasIntlkObj	AOut	0			Bool	Immediate	1.. Options
AOut [2.. Alarm]							
HasIntlkTripAlm	AOut	0			Bool	Immediate	2.. Alarm
HasIOFaultAlm	AOut	0			Bool	Immediate	2.. Alarm

参数tab Parameters

Edit Parameter		Edit Parameter		Edit Parameter	
01 General Name: HasIntlkObj Parameter Help: Scope: AOut Data Type: Bool		01 General Name: PVEMin Parameter Help: Scope: AIn Data Type: Real		01 General Name: Type Parameter Help: Scope: AIn Data Type: String	
02 Reference Reference Type: Immediate		02 Reference Reference Type: Immediate		02 Reference Reference Type: Immediate	
03 Data Default Value: 0 Append: 04 UserInterface Group: 1. Options Filter: Visible: True Disabled: ReadOnly: False		03 Data Default Value: 0.0 Min: -99999999999999999999 Max: 99999999999999999999		03 Data Default Value: Basic Analog Input (P_AIn) Append: 04 UserInterface Group: 1. Selection Control Type: DropDownList ControlValues : Basic Analog Input (P_AIn).Advanced Analog Input (P_AInAdv).Dual Sensor Analog Input (P_AInDual) Filter: Visible: True Disabled: ReadOnly: False	
Name Enter the parameter name - must be unique within its scope		Name Enter the parameter name - must be unique within its scope		ControlValues Enter a comma separated string to display a list of pre-defined parameter values available for selection	
<input type="button" value="OK"/>		<input type="button" value="OK"/> <input type="button" value="Cancel"/>		<input type="button" value="OK"/> <input type="button" value="Cancel"/> <input type="button" value="Help"/>	

函数tab Functions

- 允许库根据“if”语句设置参数
- 可以实现嵌套“if”语句
- 输出的结果可以是: BOOL, Numeric 或者 String



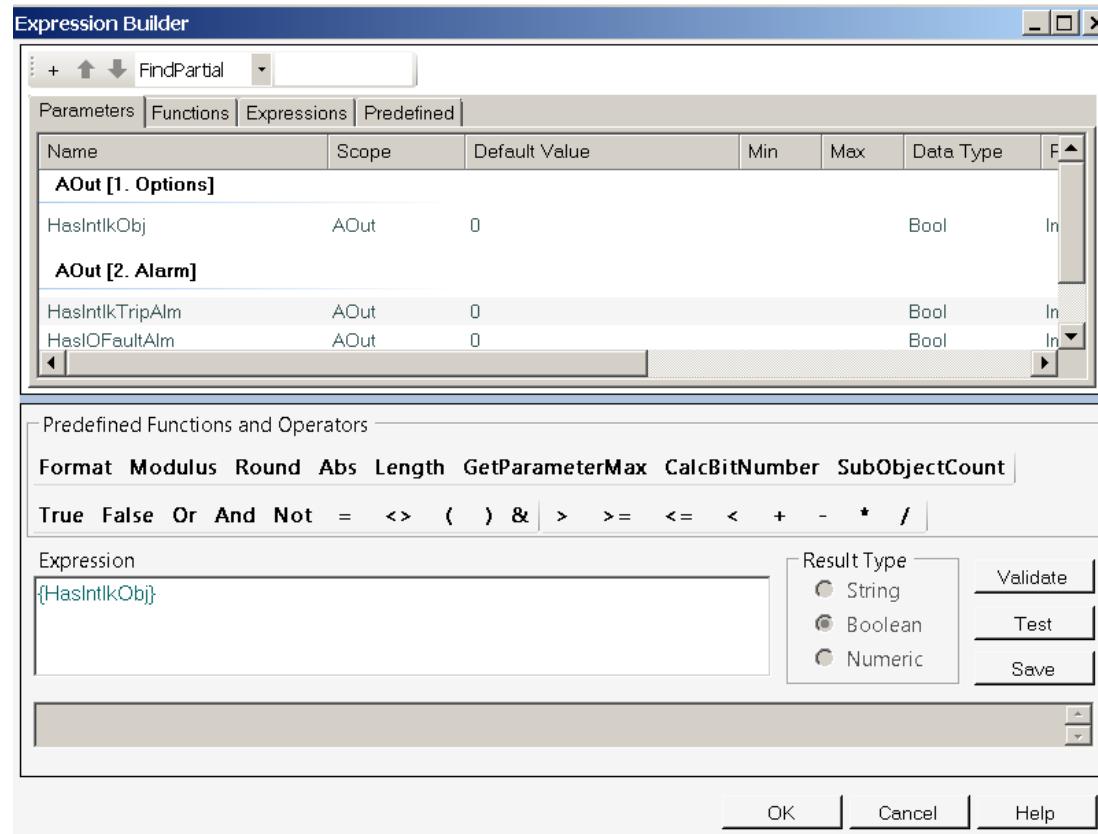
替换tab Substitutions

Original Value	Scope	Replaced Value	Search Mode
XC100	AOut	{ObjectName}	
TagDescript	AOut	{ObjectDescription}	

预定义tab Predefined

Predefined		
External References		
Name	Scope	Data Type
Global		
ControllerDescription	Global	string
ControllerName	Global	string
ParentName	Global	string
ProjectDescription	Global	string
ProjectName	Global	string
Local		
ObjectDescription	Local	string
ObjectName	Local	string
ProgramName	Local	string
SubObjectDescription	Local	string
SubObjectName	Local	string
TaskName	Local	string
Modules		
ParentChassisName	Modules	string
ParentChassisSize	Modules	Int

表达式编辑器



Decoration Example

Tag Substitution

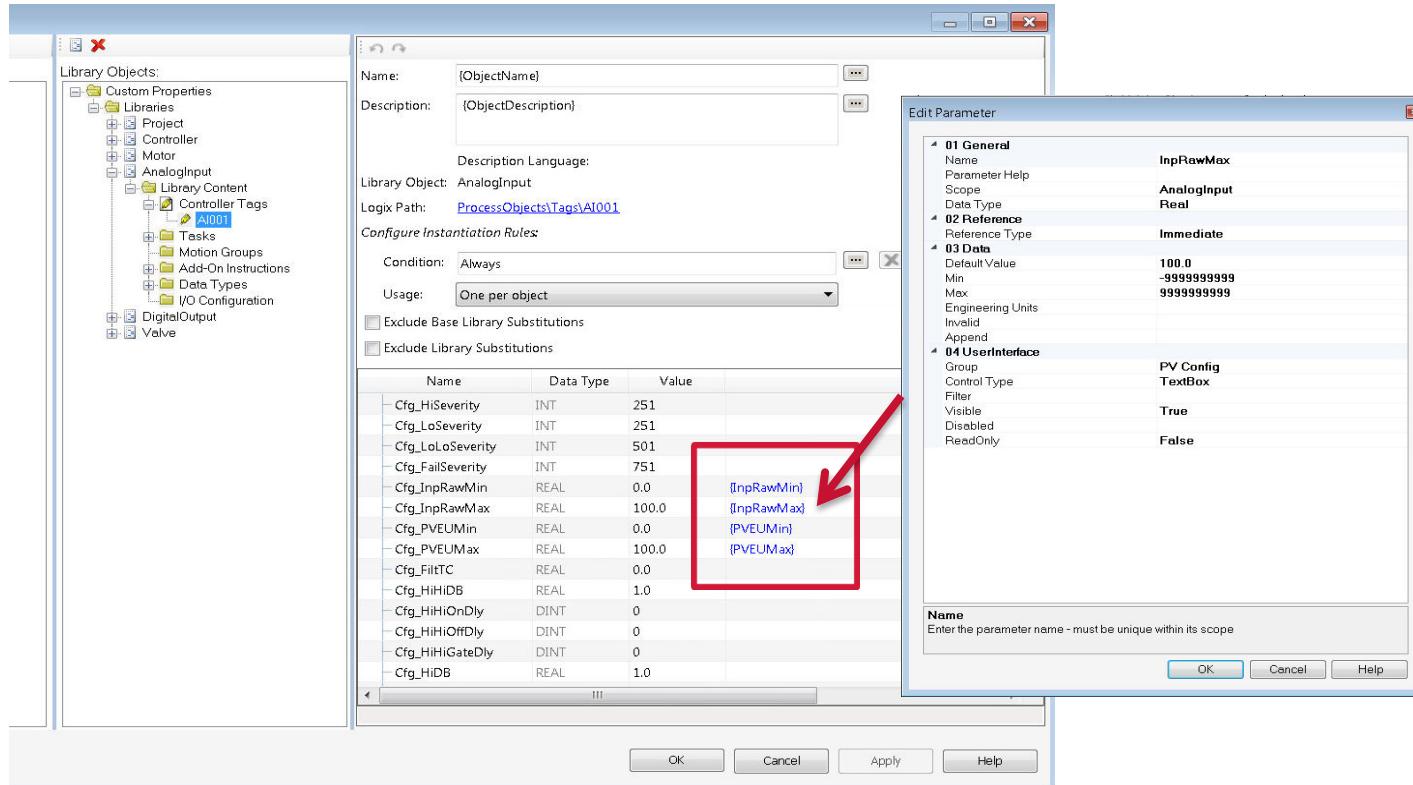
The screenshot shows the Rockwell Studio interface. On the left, the 'Library Objects' browser tree is visible, with a red box labeled 'Substitutions' highlighting the 'Controller Tags' node under 'Library Content'. A red arrow points from this node to the right-hand configuration dialog. The dialog is titled 'Substitution' and contains the following fields:

- Name: {ObjectName}
- Description: {ObjectDescription}
- Description Language:
- Library Object: AOut
- Logix Path: LGXC\Tags\XC100
- Configure Instantiation Rules:
 - Condition: Always
 - Usage: One per object
- Checkboxes for Exclude Base Library Substitutions and Exclude Library Substitutions.
- A table for defining instantiation rules:

Name	Data Type	Value	Valid
XC100	P_AOut		
EnableIn	BOOL	1	
EnableOut	BOOL	1	
Inp_Tieback	REAL	0.0	
Inp_IntlkOK	BOOL	1	
Inp_NBIntlkOK	BOOL	1	
Inp_IOFault	BOOL	0	
Inp_Sim	BOOL	0	

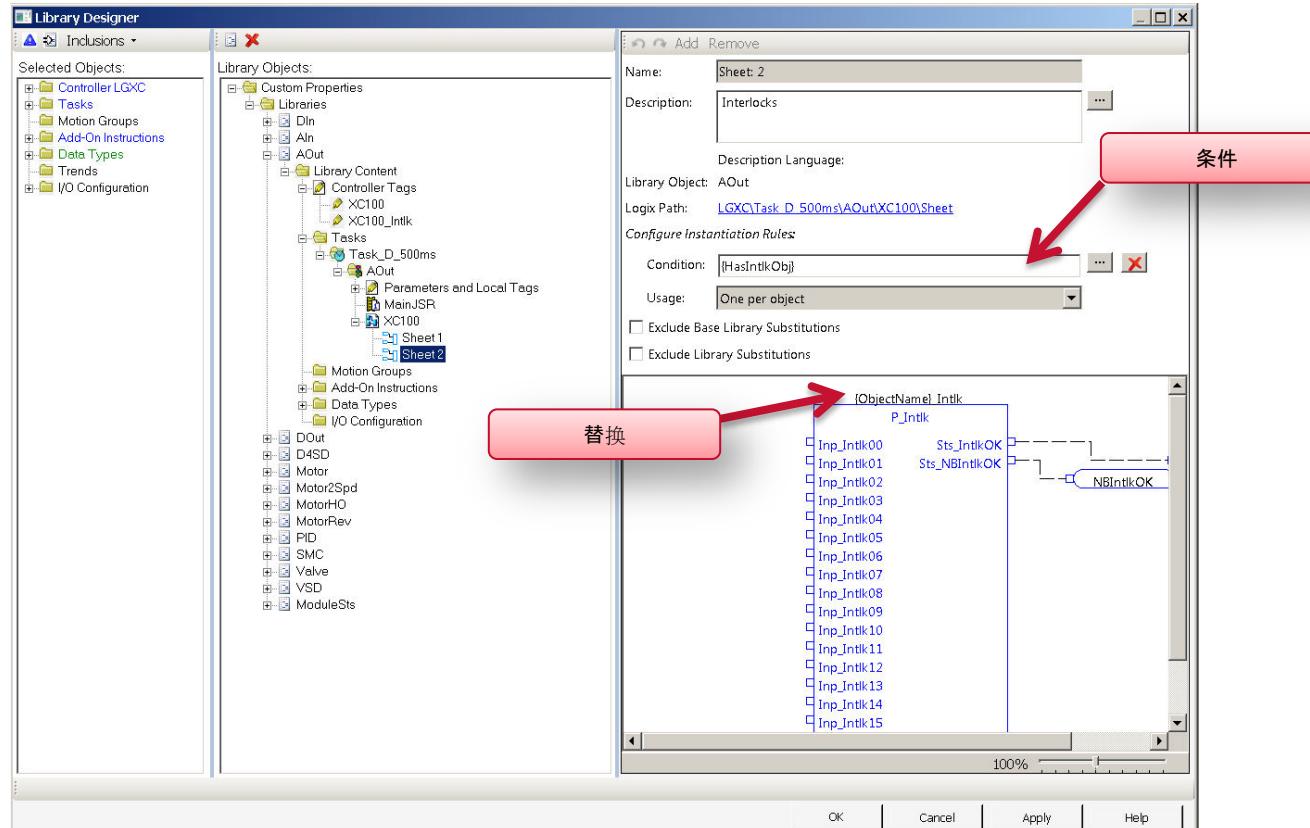
Example

修改标签值 Tag Values



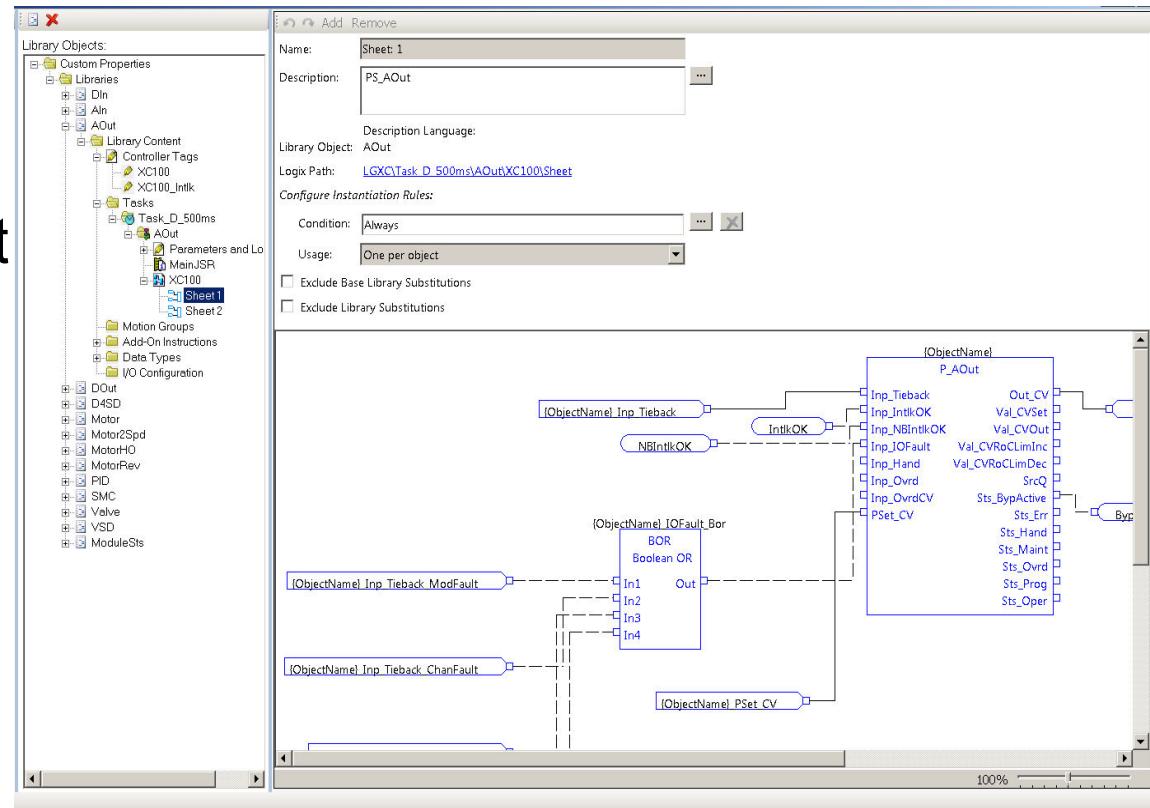
Example

替换tab Substitutions



通过各种方式“修饰”库的内容

- 梯形图 Ladder
- 功能块 Function Block
- 结构文本 Structured Text
- 顺序功能图 Sequential Function Chart

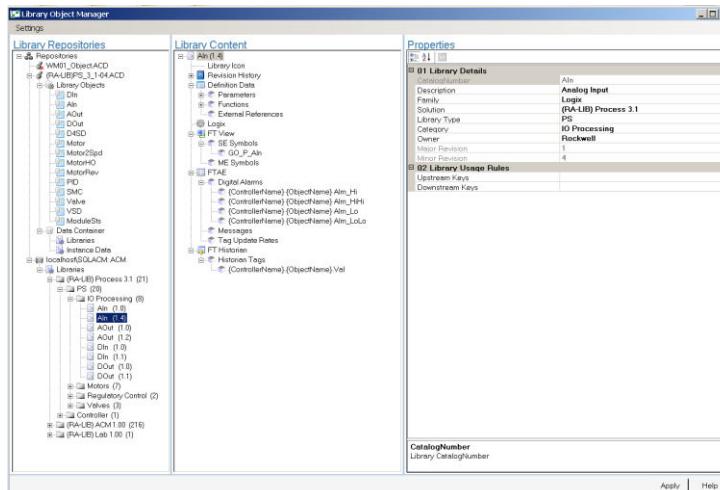


库的管理 Library Management

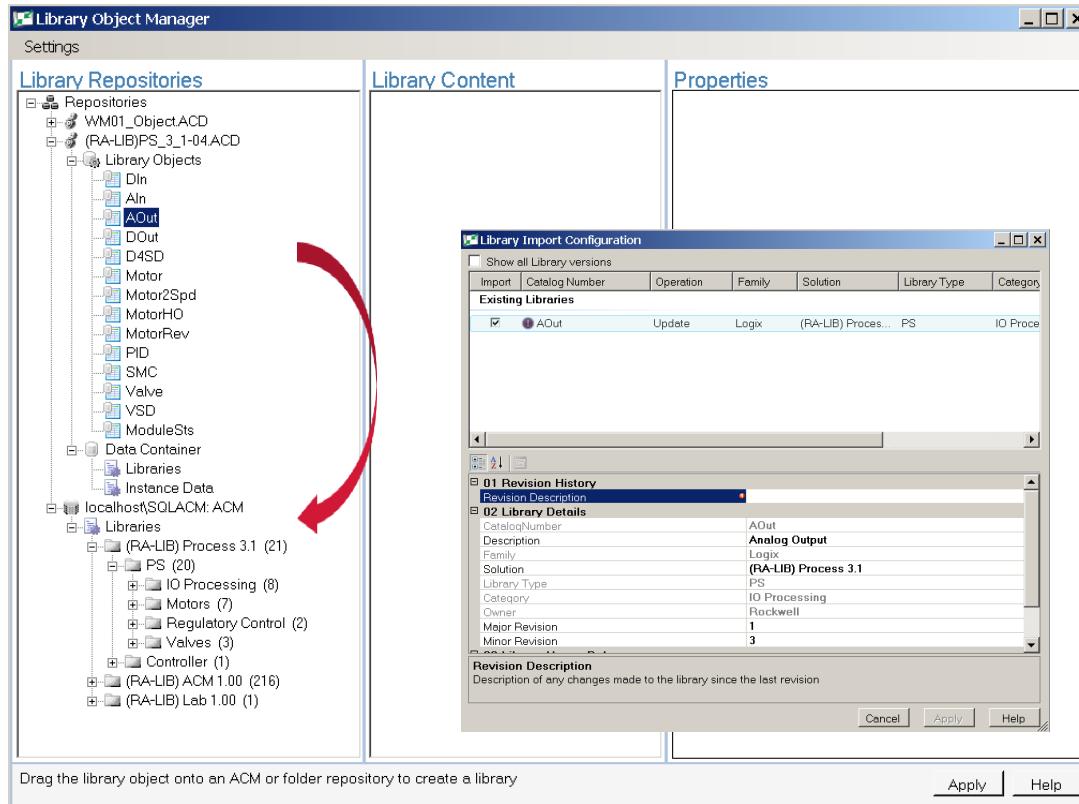
通过使用库对象管理器实现库内容的管理

Rockwell
Automation

- 把所有 Logix, FactoryTalk® View SE 和 ME, FactoryTalk® Historian 以及 FactoryTalk® Alarms & Events 内容整合到一个库对象之中
- 直接以库对象文件的形式发布到 Application Code Manager 的数据库
- 所有嵌入式库对象都提供版本管理选项

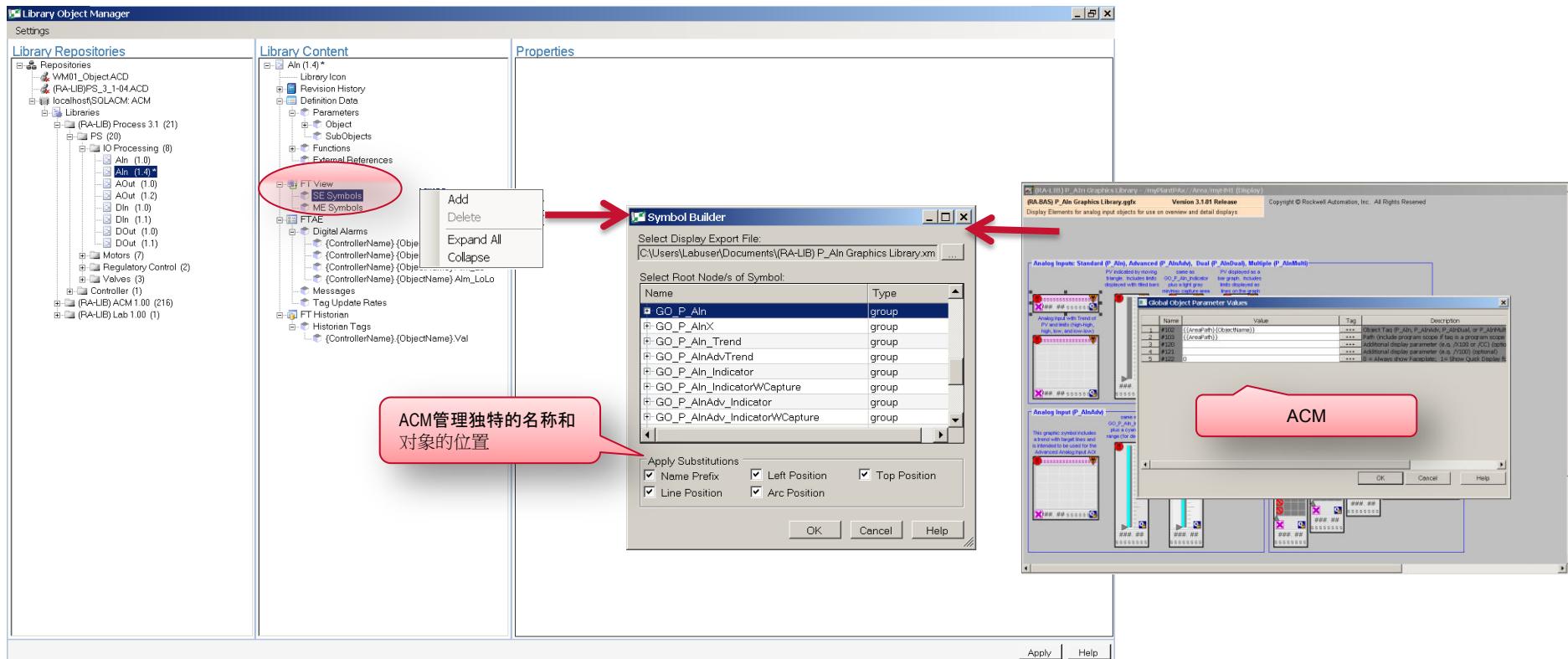


PLC中的内容发布到Application Code Manager中 在Library Object Manager中配置logix的内容



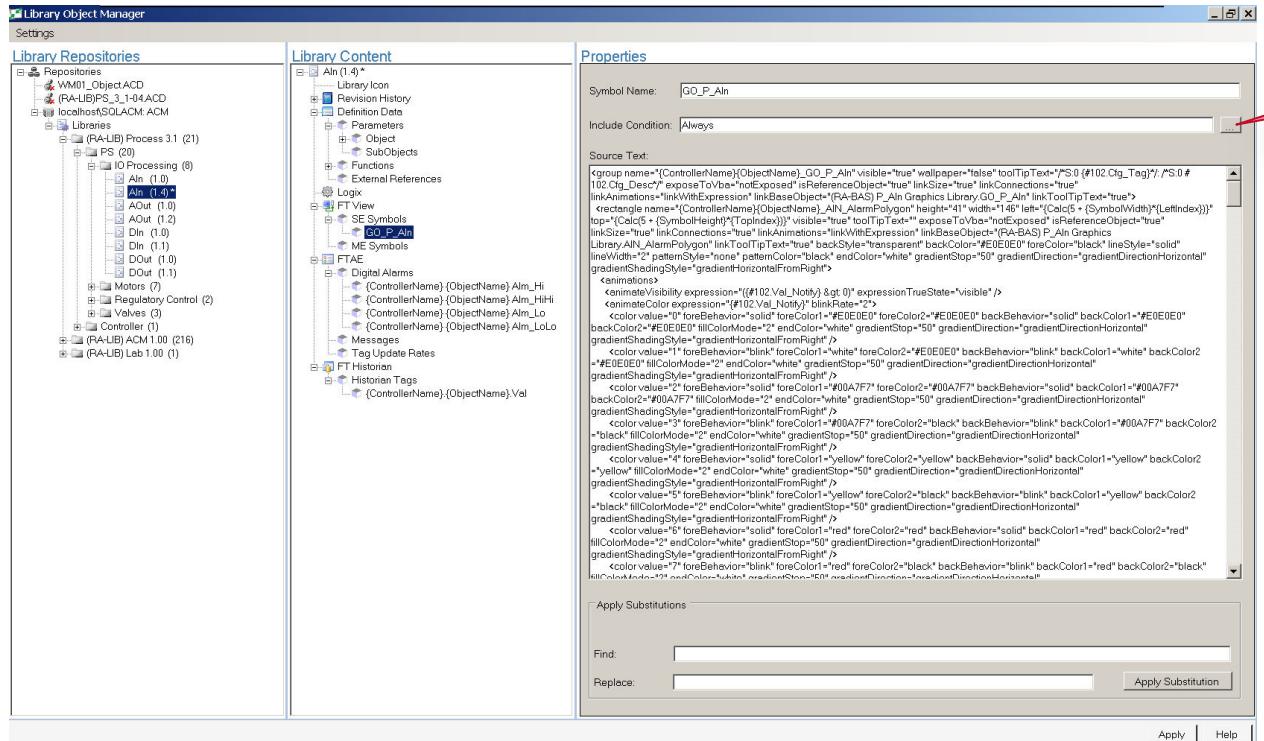
FactoryTalk® View SE 和 ME 在Library Object Manager中配置View SE和ME

Rockwell
Automation



FactoryTalk® View SE和ME 在Library Object Manager中配置View SE和ME

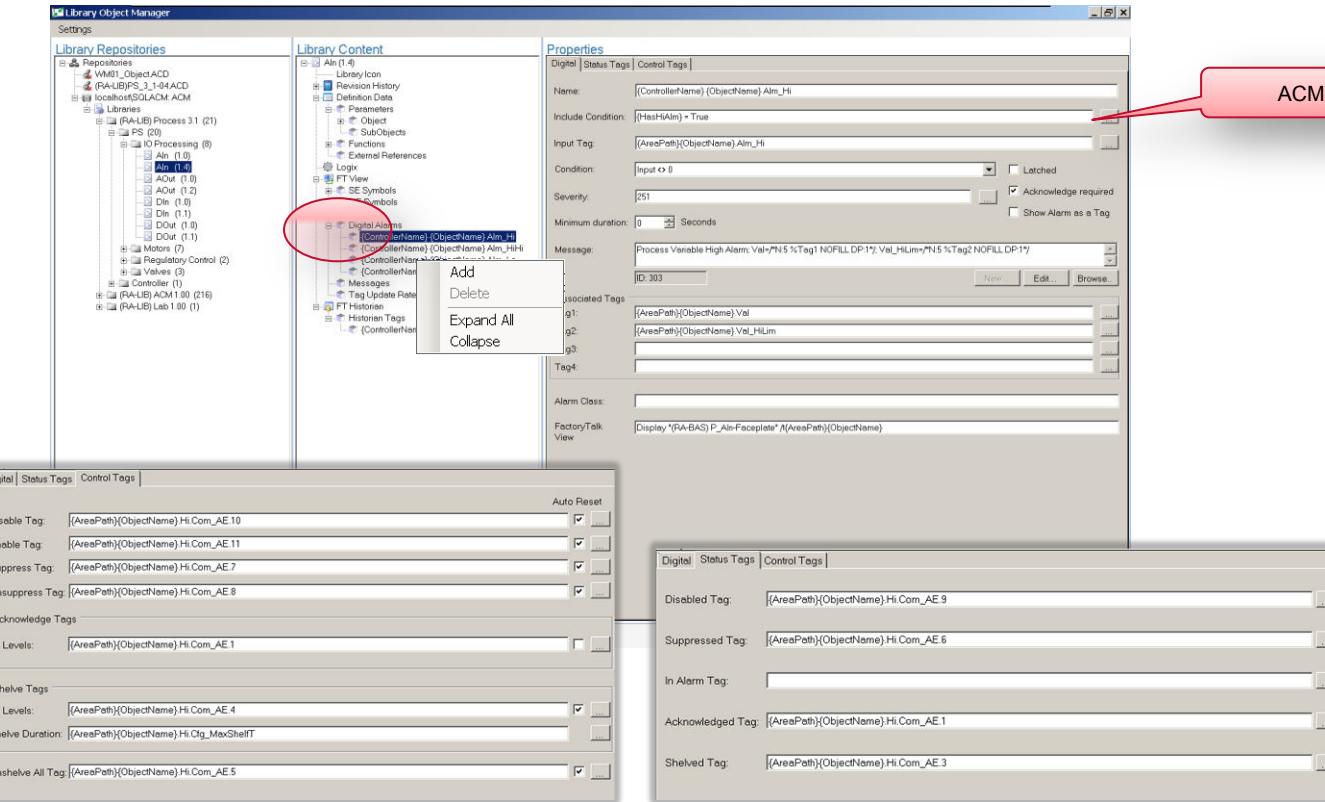
Rockwell
Automation



FactoryTalk® Alarms & Events

在Library Object Manager中配置FTAE

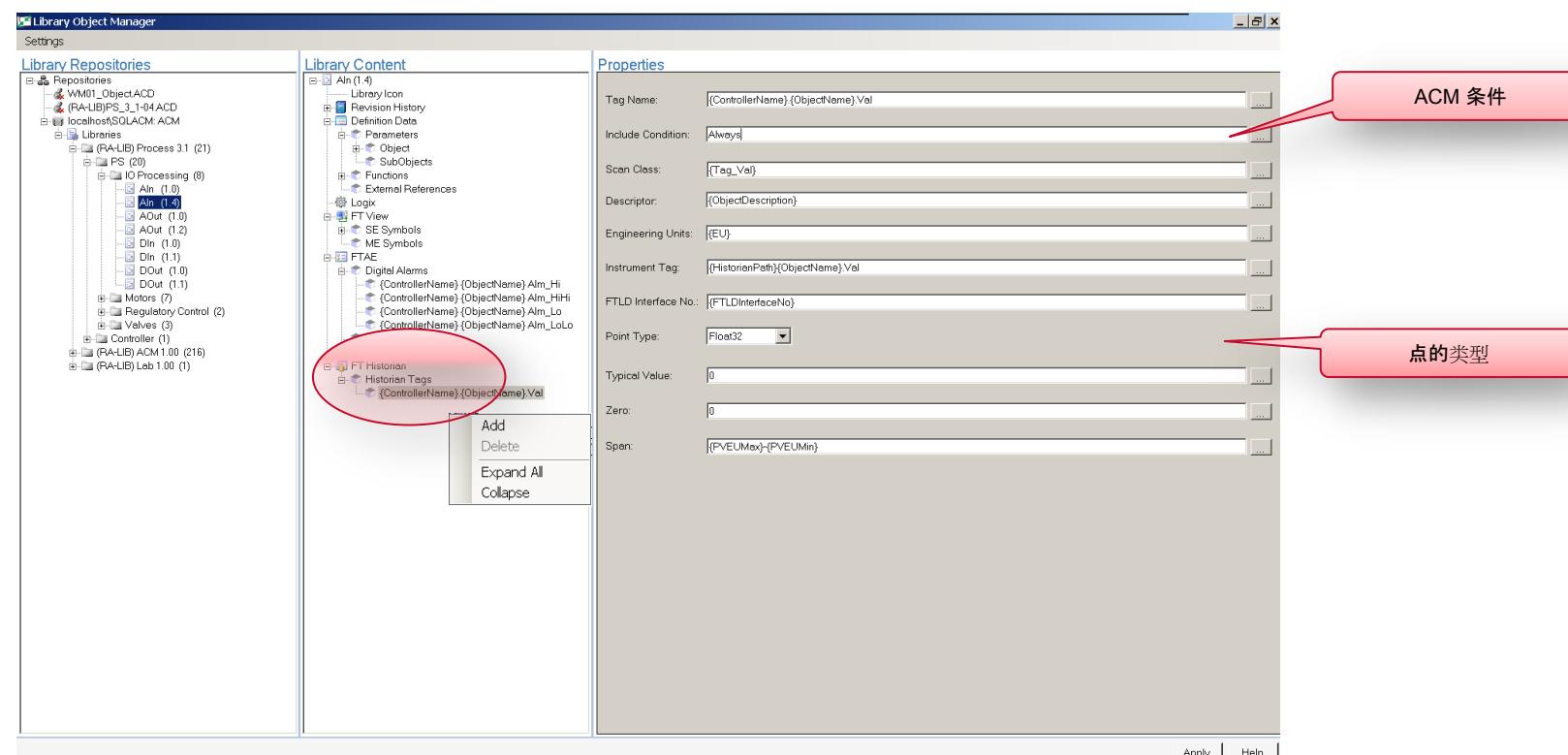
Rockwell
Automation



FactoryTalk® Historian

在Library Object Manager中配置历史数据库服务器

Rockwell
Automation



LISTEN.
THINK.
SOLVE.®

ACM的选型简介



PUBLIC

AB Allen-Bradley • Rockwell Software

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Automation**

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ACM的订货信息

Studio 5000® Application Code Manager 是一款软件服务而不仅仅是产品，订阅期1年

- 建立项目：
 - 9326C-ACM001ENT, 1 User (Concurrent), includes 8x5 Technical Support
 - 9326C-ACM001ENTM, 1 User (Concurrent), includes 8x5 Technical Support and Media
 - 9326C-ACM001ENTA1, 1 User (Concurrent), includes 24x7 Technical Support uplift
 - 9326C-ACM001ENTMA1, 1 User (Concurrent), includes 24x7 Technical Support uplift and Media
- 建立库内容：
 - 9326C-LIBD001ENT, 1 User (Concurrent), includes 8x5 Technical Support
 - 9326C-LIBD001ENTM, 1 User (Concurrent), includes 8x5 Technical Support and Media
 - 9326C-LIBD001ENTA1, 1 User (Concurrent), includes 24x7 Technical Support uplift
 - 9326C-LIBD001ENTMA1, 1 User (Concurrent), includes 24x7 Technical Support uplift and Media

例如

- 系统集成商
 - 2个独立工程库
 - 25个不同的工程
 - 10个工程师任意时间工作于ACM数据库
 - 型号与数量.
 - 2套, 9326C-LIBD001ENT
 - 10套, 9326C-ACM001ENT

网上视频信息

The screenshot shows a web browser window for the Rockwell Software website. The URL is https://www.rockwellautomation.com/rockwellsoftware/products/studio5000_application_code_manager.page. The page title is "STUDIO 5000 APPLICATION CODE MANAGER". The main content area features several images related to industrial automation and software development. Below the images, there are three main sections: "LIBRARY MANAGEMENT", "MODULAR AUTOMATION", and "STUDIO 5000 PRODUCT PROFILE". Each section has a brief description and a "Watch Now" button. To the right of these sections are two call-to-action boxes: "Contact Us" and "Support". The "Contact Us" box encourages users to get answers to questions on sales, products, services, and technical support. The "Support" box provides tools and resources for driving results.

https://www.rockwellautomation.com/rockwellsoftware/products/studio5000_application_code_manager.page#overview

Videos

ACM First Steps - Part 1 Installing

ACM First Steps - Part 2 Connecting and Registering Library Content

ACM Library Management - Part 1 Initial Creation of a Logix Library Object

ACM Library Management - Part 3 Publishing a Logix Library Object

ACM Library Management - Part 4 Adding FTViewSE graphics to a Library Object

ACM Library Management - Part 5 Adding FTHistorian SE tag configuration to a Library Object

ACM Project Execution - Part 1 Creating a Logix project from library content

ACM Project Execution - Part 2 Creating FTViewSE Content from library content

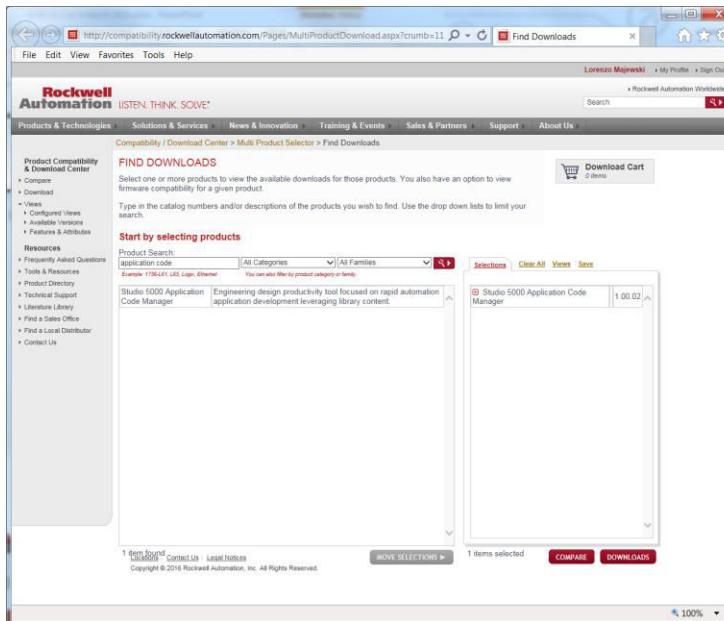
Studio 5000® Application Code Manager

七天试用，喜欢再买

Rockwell
Automation

你可以下载Studio 5000®ACM应用代码管理并使用七天。如果喜欢的话，只需购买和激活产品即可享受为期一年的订阅和8x5技术支持。

<http://www.rockwellautomation.com/global/support/pcdc.page?>



(RA-LIB) Process 3.50.02

下载路径

Rockwell
Automation

- <http://compatibility.rockwellautomation.com/Pages/MultiProductDownload.aspx?crumb=112>

This screenshot shows the 'Find Downloads' section of the Rockwell Automation website. On the left, there's a sidebar with links for Product Compatibility & Download Center, Resources, and Contact Us. The main area has a search bar with dropdowns for Product Search, Categories, and All Families. Below the search bar, a table lists products: 'Process Library' (selected), 'Rockwell Automation Library of Process Objects, Sample Projects, Application Templates, Tools & Utilities', and 'Studio 5000 Application Code Manager'. A red box highlights the 'Process Library' row. To the right, there's a 'Selections' panel with a table showing 'Process Library' selected at version '3.50.02'. At the bottom, there are buttons for 'MOVE SELECTIONS ▶', '1 items selected', 'COMPARE', and 'DOWNLOADS'.

This screenshot shows the 'Multi Product Selector' page. The top navigation bar includes 'Products & Technologies', 'Solutions & Services', 'News & Innovation', 'Training & Events', 'Sales & Partners', 'Support', and 'About Us'. The main content area shows a 'Product Compatibility & Download Center' with a 'Downloads' section. It displays a table for 'Process Library 3.50.02' with the note 'Rockwell Automation Library of Process Objects, Sample Projects, Application Templates, Tools & Utilities'. A red box highlights this row. To the right, there's a 'Available Downloads' section with a table listing several files: 'RA Library for Studio 5000 Application Code Manager Update v3.50.xx', 'RA Library for Studio 5000 Architect Update v3.50.02', 'RA Library of Endress+Hauser Integration Objects v3.50.02', 'RA Library of Process Objects Documentation Set v3.50.xx', and 'RA Library of Process Objects v3.50.02'. A red box highlights the first file in the list. At the bottom right, there's a 'CLOSE' button.

Questions?

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www.rockwellautomation.com

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