

FactoryTalk ME Applications

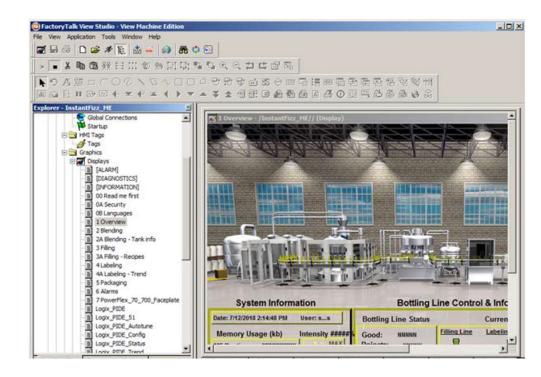
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FactoryTalk View ME Software



- Provides human/machine interface for individual machines or small processes in a manufacturing environment
- Communicates with PLC FactoryTalk (RSLinx Enterprise) and OPC (OLE for Process Control) servers
- This software package is part or the FactoryTalk View Enterprise Series suite of software.



FactoryTalk View Studio Software Components

Swagelok

- FactoryTalk View Studio
 - Software containing the tools for creating machine-level monitoring and control applications, including real-time animated graphic displays, trends, and alarm reporting
- FactoryTalk View ME Station
 - Software that provides the run-time environment for you FactoryTalk
 View Studio-designed project

In other words, use FactoryTalk View ME Station to run applications developed in FactoryTalk View Studio

Starting FactoryTalk View Studio...



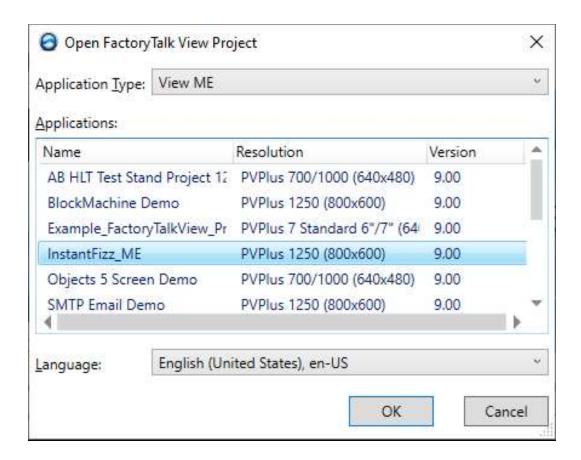
- 1. Select Studio 5000 from Windows Start Button
- 2. Under Existing Project, Select FactoryTalk View Project



Starting FactoryTalk View Studio...



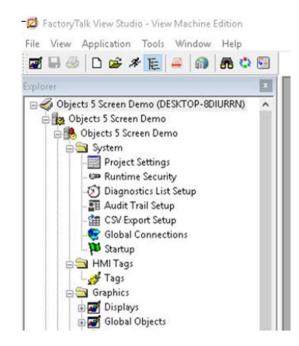
1. Select InstantFizz_ME application



What's an application



- An application is the software application you create in FactoryTalk View Studio to monitor and control your plant processes.
- An application consists of one or more data servers and an HMI project (also known as an HMI server).
 - The data servers provide communications for the project.
 - The project or HMI server consists of graphic displays, alarm information, user information, and other settings.



What's an application



- When you create an application, FactoryTalk View creates folders and files in various locations on the development computer.
 - Some of the folders are empty until you start setting up your application.
 - When you finish developing the application, FactoryTalk View uses the information in the various folders and files to create the runtime application.
 - The application is stored on the computer in:
 - Users\Public\Public Documents\RSView Enterprise\ME\HMI projects

Component Files

• Component files are located in folders in the HMI project folder, as described in the following table.

This folder	Contains	File extensions
Application name	HMI project file and the folders described below	.med
DLG	Data log models (component files)	.mdf
Gfx	Graphic display component files	.gfx
Global Objects	Global object display component files	.ggfx
lmages	Image files	.bmp, .png, or .jpg
Information	Information message component files	.ifm
Local	Local message component files	.loc
Macros	Macro component files	.mcr
PAR	Parameter component files	.par
RecipePlus	RecipePlus component files	.rpp

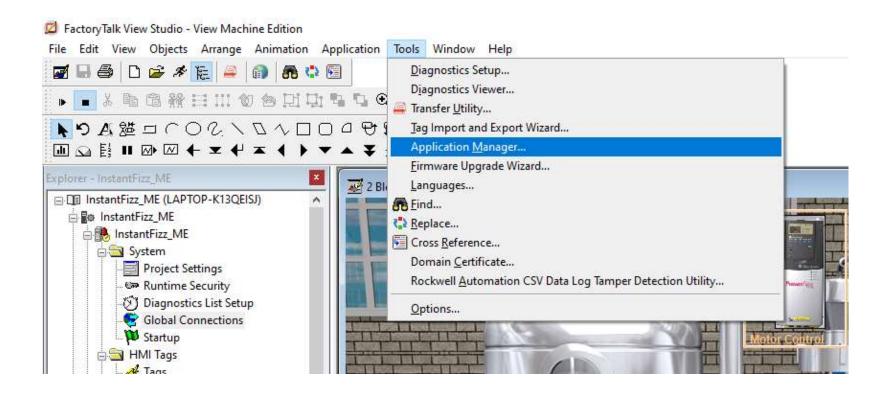
Application Manager



- A development tool that is used to:
 - Copy an application
 - Delete an application
 - Back up an application
 - Rename an application
 - Restore a previously backed up project or application
 - Restore a legacy project
 - Restore a design (.MED) file from a runtime (.MER) file
 - Note runtime files must be saved at V6.1 or above for the restore.
 MER file feature to be available

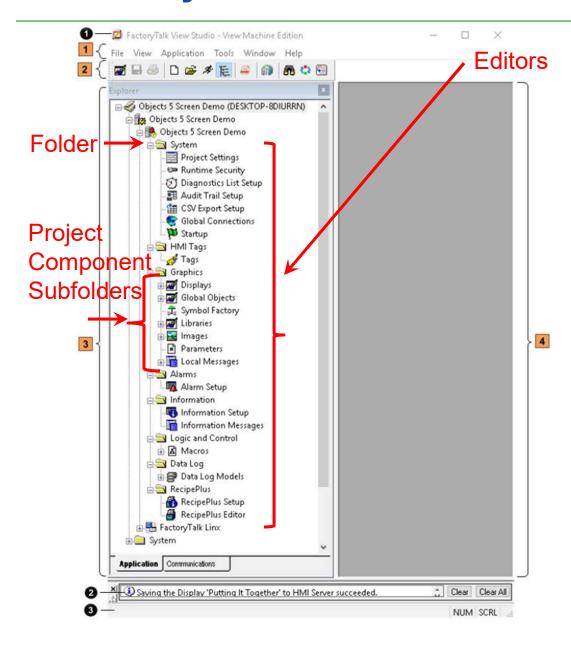
Application Manager





FactoryTalk View Studio main window

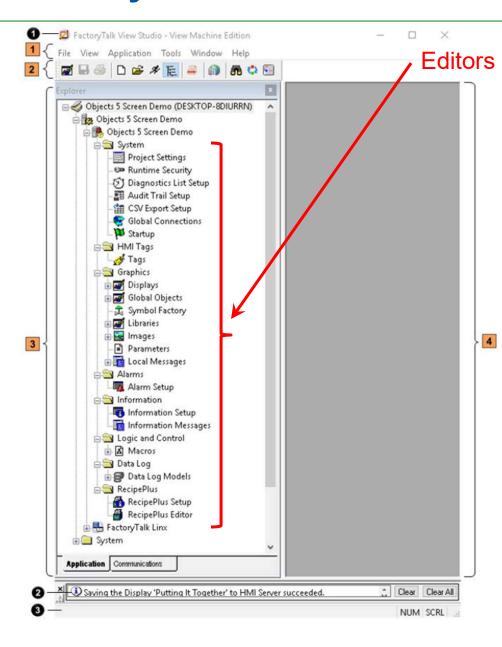




Item	Description
1	Menu bar
2	Tool bar
3	Explorer window
4	Workspace
0	Title bar
0	Diagnostics list
3	Status bar

FactoryTalk View Studio main window





Commonly used application components include:

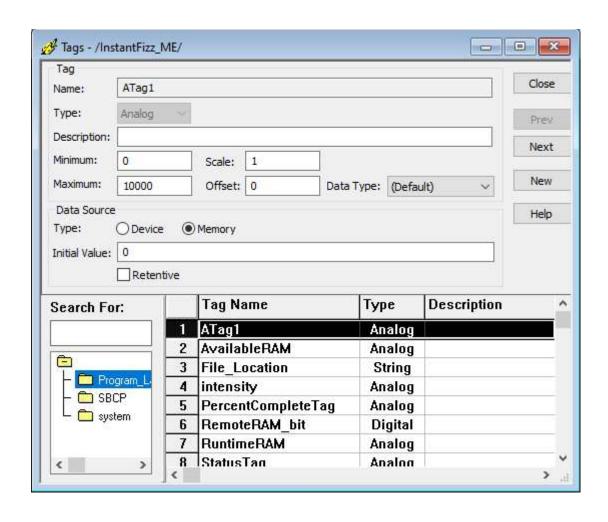
- Graphic Displays
- Global Objects
- Graphic Libraries
- Images
- Data Log Models

Commonly used editors include:

- Tags
- Project Settings
- Startup
- Global Connections
- Alarm Setup
- Macro
- RecipePlus

Tag Editor

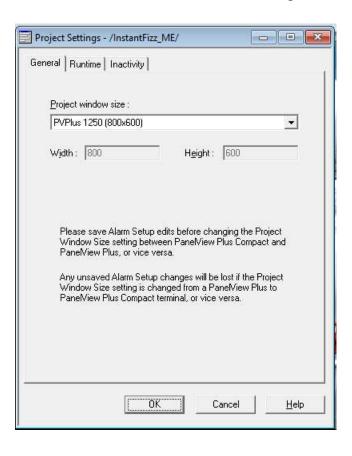


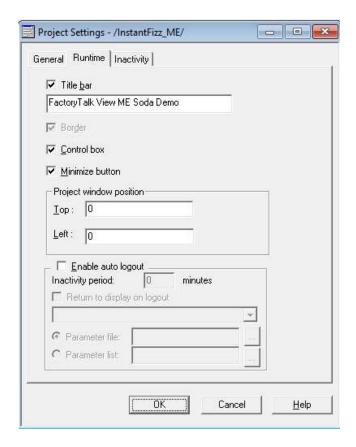


Project Settings Editor



Double-click on "Project Settings" to open





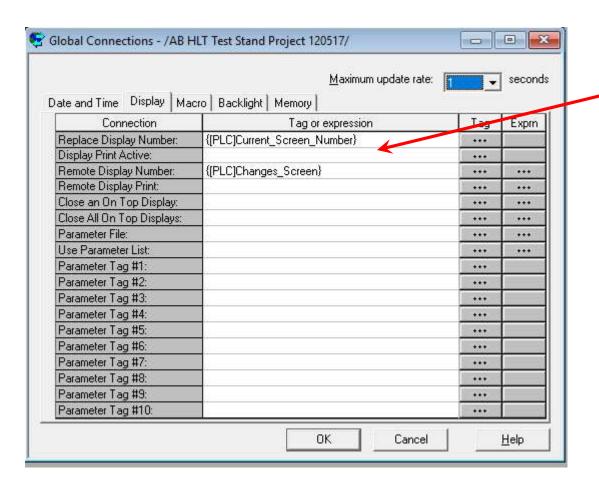
Startup Editor



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Global Connections

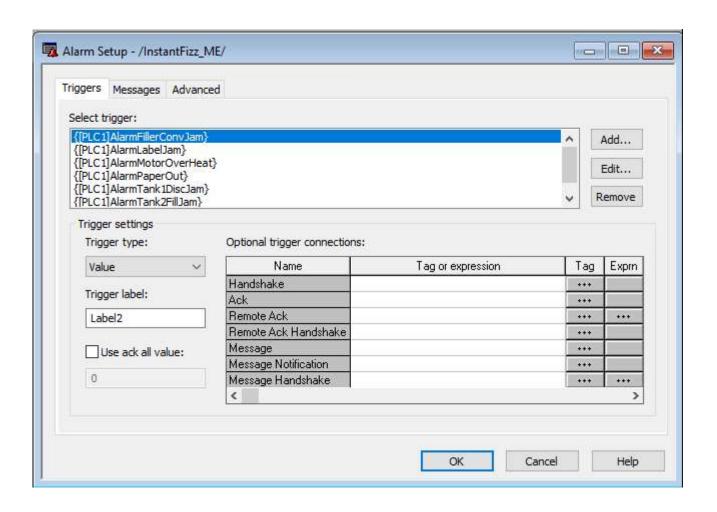




Note it is possible to link HMI screens to PLC Program

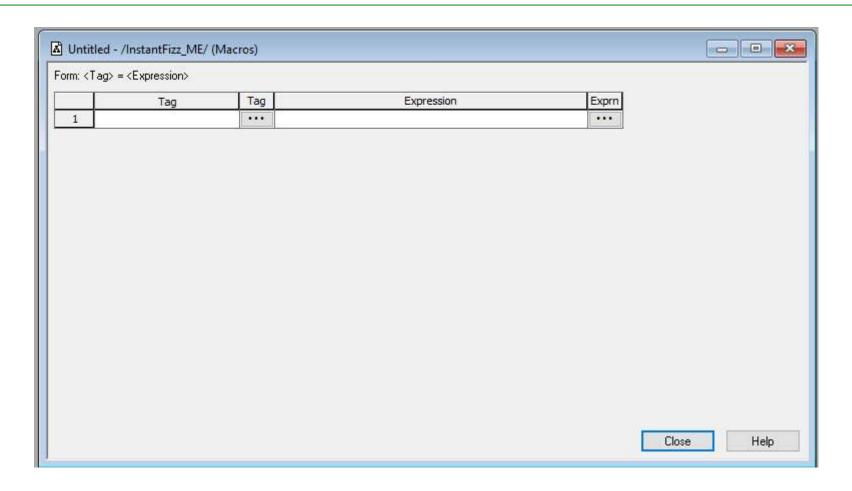
Alarm Setup





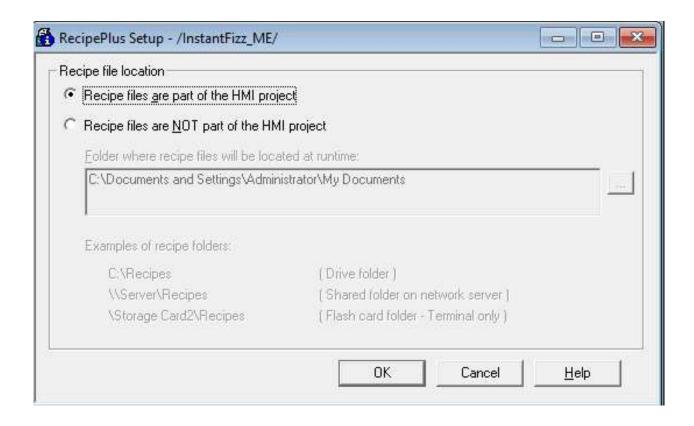
Macro Editor





Recipe Plus





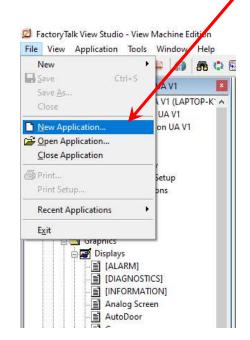
CREATING A NEW APPLICATION

Creating a New Application



 Close any existing applications and Select "New Application" or from the Studio 5000 startup, select "New Project"

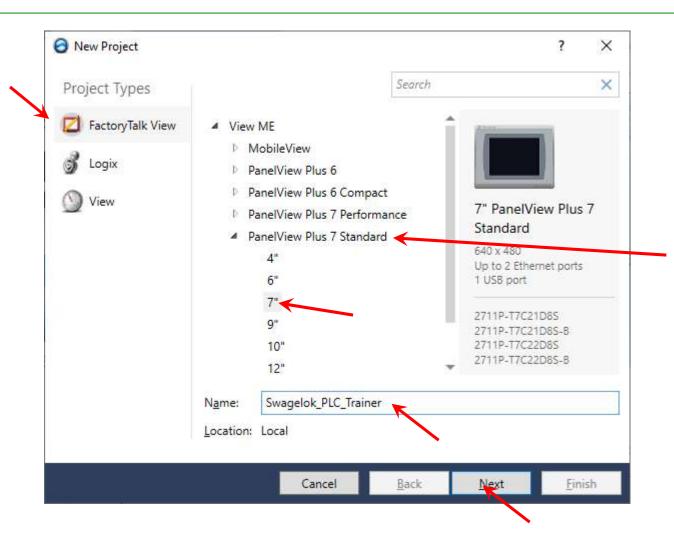
OR





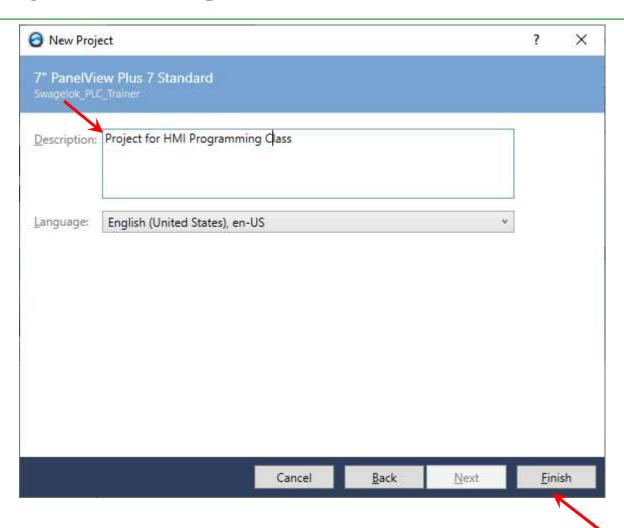
New Project Dialog Boxes





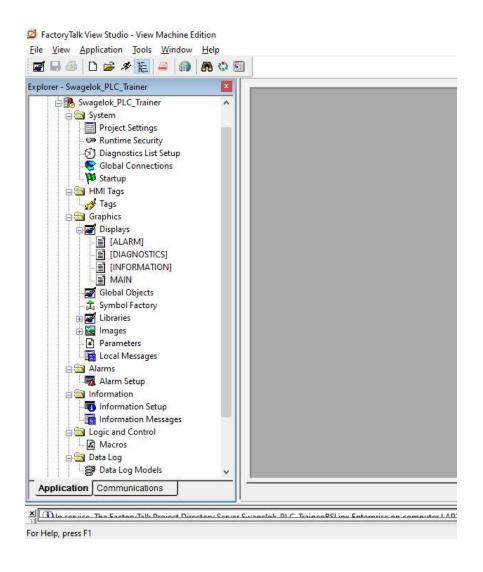
New Project Dialog Boxes





Completed New Project





Import an Application



- Alternatively, the following application files can be imported to FactoryTalk View Studio and then converted to current version FactoryTalk View Machine Edition application files using Machine Edition Import Wizard:
 - PanelBuilder® application (.pba or .pva)
 - PanelBuilder32 application (.pba or .pva)
 - PanelBuilder 1400e application (.pvc)
 - RSView® Machine Edition application (.med)
 - FactoryTalk View Machine Edition application (.med)

Older Versions



- It is possible to open and edit applications from earlier versions of RSView or FactoryTalk View ME
 - You can open and edit applications from RSView 3.10, 3.20, and FactoryTalk View 4.0, 5.0, 6.0, 6.10, 7.0, 8.0, 8.10, 8.20, 9.0, and 10.0.
 - When you are finished editing, you can create runtime application files for ME Station version 5.0, 5.10, 6.0, 6.10, 7.0, 8.0, 8.10, 8.20, 9.0, 10.0, and 11.0.
 - This allows you to continue running your applications on existing terminals, without upgrading all your software.