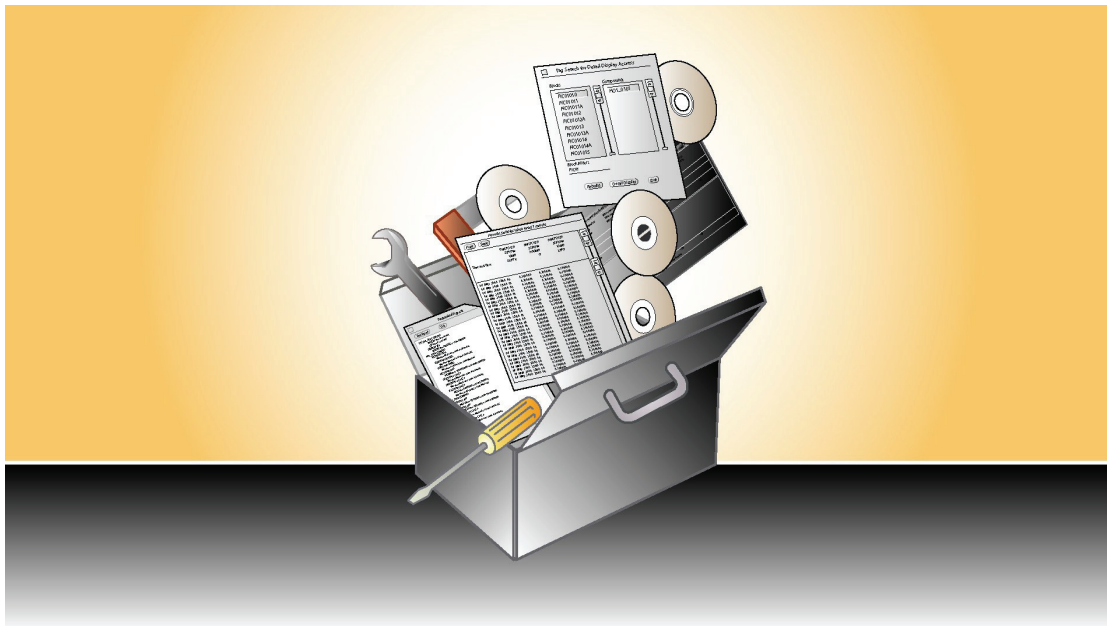


**I/A Series® Tools Suite: cpShell, FBMTrack, SSCSupport, and TagSearch**



**I/A SERIES TOOLS SUITE**

I/A Series® Tools Suite is a collection of tools that make I/A Series Systems more useful and applications easier to develop.

The suite consists of the following products:

- ▶ cpShell - Supports the execution of programs and scripts from sequence blocks.
- ▶ FBMTrack - Allows rapid identification of all blocks associated with a particular FBM. In addition, this utility graphically illustrates the in-use I/O points per FBM and provides quick access to the I/A Series Detail Display for the related control block.

- ▶ SSCSupport - Supports those programs that cannot read and manipulate the status bits required to implement I/A Series Supervisory Setpoint Control, provides a means of tying external computers to I/A Series control blocks with a minimum effort.
- ▶ TagSearch - Provides quick access to the I/A Series detail display for a specified control block. This utility supports filtering by block name.

**NOTE**

The I/A Series Tools Suite currently supports Windows® XP and Windows Server® 2003 operating systems.

CPSHELL

The cpShell product is used to run programs when certain conditions are detected or to log information about the process. The cpShell product supports the execution of programs and scripts from I/A Series Sequence blocks. I/A Series Sequence blocks can send a message to the cpShell software in exactly the same manner as any other device. However, when the cpShell software receives the message, the cpShell process treats it as a command to execute. Each command is run separately.

Requirements

The cpShell product has no additional software requirements.

FBMTRACK

When an FBM fails, the plant needs to identify the

control loops associated with the failed device quickly and easily.

The FBMTrack product presents either all of the I/O blocks or all of the FBMs in a system on a display (as shown in Figure 1) that quickly allows the identification of all blocks associated with a particular FBM.

In addition, this utility can indicate which of the I/O points in the FBM are in use and it can raise the Detail Display for the selected block.

The FBMTrack software also provides user-specified block filters so that only blocks of interest are shown.

Requirements

The FBMTrack product requires FoxView™ display managers.

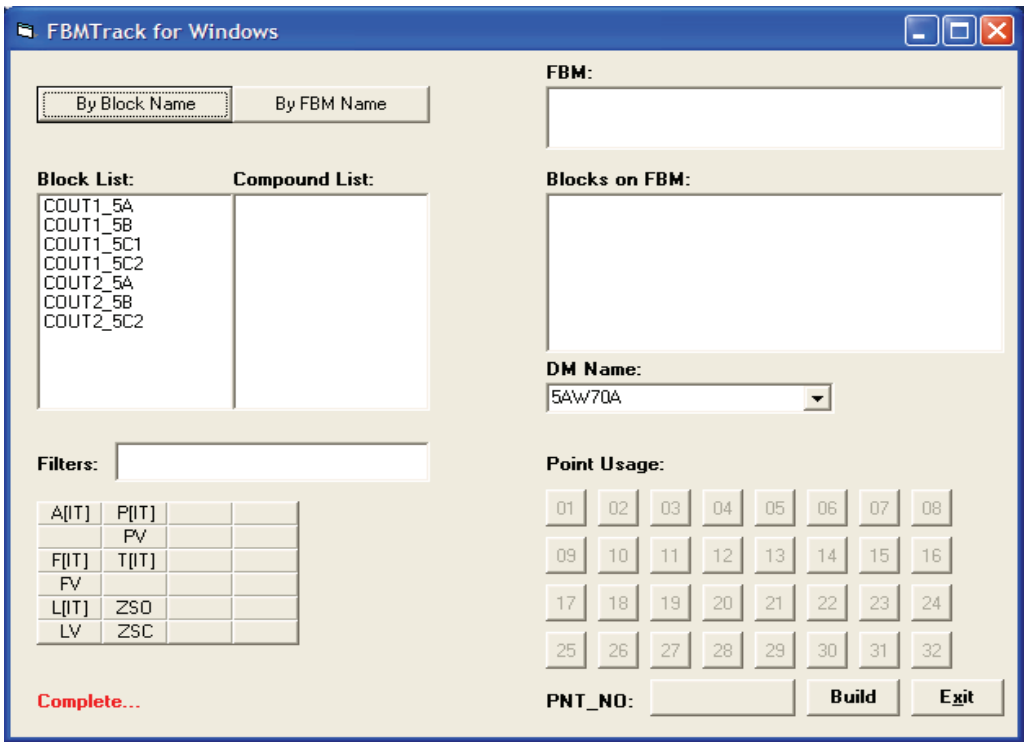


Figure 1. FBMTrack GUI

## SSCSUPPORT

The SSCSupport product provides the following services using the SSCSupport Configurator (as shown in Figure 2):

- ▶ Supports the grouping of I/A Series control blocks (AOUT family, PID family, or RATIO) into a “Controller” interface or application.
- ▶ Supports mapping externally generated setpoints and acknowledgement flags into the Supervisory Input (SUP\_IN) of the selected blocks.
- ▶ Supports the automatic construction of a graphic that displays the Supervisory Control Status of each of the selected control blocks.

The program serves as a running example of the logic used by supervisory applications within

I/A Series software and as a means of tying external computers to I/A Series control blocks with a minimum of effort.

## Requirements

The SSCSupport product has the following software requirements.

- ▶ FoxView display managers.
- ▶ AIM\*API installed, configured, and running. (AIM\*API is included as part of the AIM\*AT software.)
- ▶ MS SQL Server 2005 Express Edition. Provided with the I/A Series Tools Suite part number.

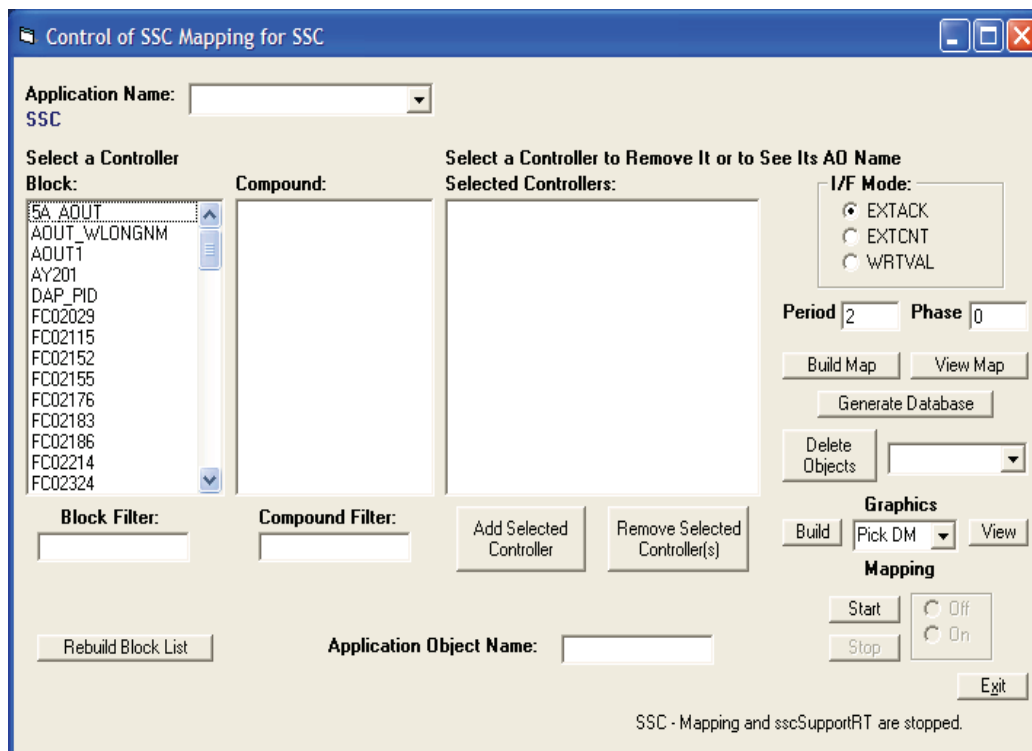


Figure 2. SSCSupport Configurator

## TAGSEARCH

Plants with an ISA naming convention want quick access to I/A Series control blocks by the blocks' names. The TagSearch product provides this presentation, as shown in Figure 3, and is much faster than the alternatives.

By default, the TagSearch software raises the standard detail display on the specified display manager.

## Requirements

The TagSearch product has the following software requirements:

- ▶ FoxView display managers.
- ▶ AIM\*API installed, configured, and running. (AIM\*API is included as part of the AIM\*AT software.)

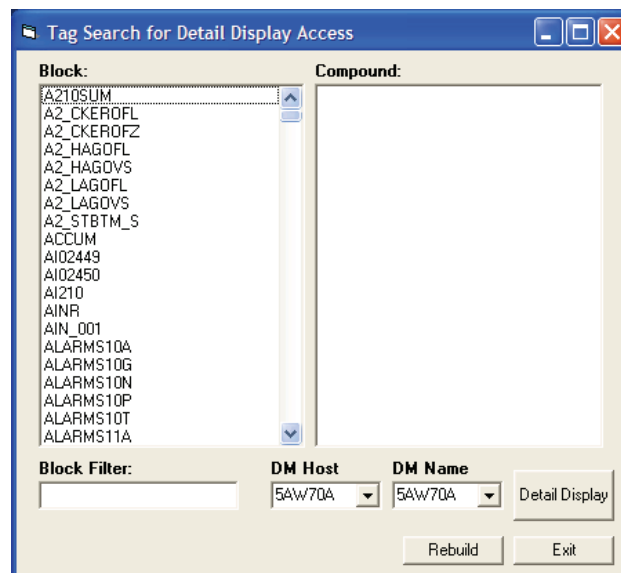


Figure 3. TagSearch GUI

## REQUIREMENTS

### Supported I/A Series Software Versions

The I/A Series Tools Suite currently supports the following I/A Series software versions:

- ▶ v8.1.1 - v8.4.x - Standard
- ▶ v8.5 - v8.7 Standard
- ▶ v8.5 - v8.7 Security enhanced with default domain group policies.

### NOTE

When using security enhanced I/A Series software, be aware that changing the Invensys provided default domain group policies or improperly using McAfee® ePolicy Orchestrator firewall can adversely affect the proper operation of the I/A Series Tools Suite applications. Modifying Active Directory Group Policies is considered an advanced action and should only be undertaken by qualified personnel.

### Software Requirements

The following I/A Series Tools Suite applications require the following software be installed, configured, and running:

- ▶ cpShell
  - No additional software requirements
- ▶ FBMTTrack
  - FoxView display managers
- ▶ SSCSupport
  - FoxView display managers
  - AIM\*API (Included as part of the AIM\*AT software.)
  - MS SQL Server® 2005 Express Edition provided with the I/A Series Tools Suite.

- ▶ TagSearch

- FoxView display managers
- AIM\*API (Included as part of the AIM\*AT software.)

## ORDERING INFORMATION

The I/A Series Tools Suite is sold on a per process basis. The customer is free to use the tools as needed within the unit for which they were purchased. A unit is defined to be a set of I/A Series equipment dedicated to the manufacture of a specific product or set of closely related products. I/A Series systems are generally sold to support a particular unit. In this case, only one license is required. However, if the system is running several units in the plant, multiple licenses are required.

Bulk purchases for entire plant sites are available for larger installation or customer configuration. Contact your Invensys account representative for details.

- ▶ Q0301JL - I/A Series Tools Suite





