

How does DataLogger operate if I specify more than one trigger of different types?

There are two different scenarios here.

1. Using two different types of triggers that have different effects.
2. Using two different types of triggers that have the same effect.

Using two different types of triggers that have different effects

In this scenario we have created two different types of triggers. We will use one to start logging and use the other to stop logging. For this example we have created the following two types triggers.

The first trigger is a Monitored Item Trigger. The trigger will fire when the value of Bool_1 is true.

Monitored Item Trigger Properties

Name: ☒ Enabled

Description:

Advanced Settings

Data Collector:

Monitored Items:

	Operator	Condition	Value
▶	None	Equals	True
*			

Enter True or False for boolean items

Add Remove

Cancel Help Ok

The second is a Scheduled trigger. The trigger will fire every day at 6 pm.

Scheduled Trigger Properties

Name: ☒ Enabled

Description:

Advanced Settings

☒ Repeat Daily
(means the trigger will be raised at the same time every day)

When:

Cancel Help Ok

The Monitored Item Trigger is used to start logging. The Scheduled trigger is used to stop logging.

Project Properties - Project1

Project Name: ☒ Enabled

Description:

Data Collector:

Groups | Connection Control | Log To | **Triggers**

☒ Let triggers initiate logging

	Trigger	Enabled	Effect	Description
	Bool_1 is True	<input checked="" type="checkbox"/>	Start logging data	
	6 PM Daily	<input checked="" type="checkbox"/>	Stop logging data	

Add Remove Properties

Cancel Help Ok

Here is how the Data Logger will handle this situation.

Data will begin to log when the value of Bool_1 goes to true regardless of what time of day it is.

Data logging will stop at 6 pm daily regardless of the value of Bool_1.

Data will begin to log only when the value of Bool_1 toggles from False to True.

Using two different types of triggers that have the same effect

In this scenario we have created two different types of triggers. We will use them both to start logging. For this example we have created the following two types triggers.

The first trigger is a Monitored Item Trigger. The trigger will fire when the value of Bool_1 is true.

Monitored Item Trigger Properties

Name: ☒ Enabled

Description:

Advanced Settings

Data Collector:

Monitored Items:

	Operator	Condition	Value
▶	None	Equals	True
*			

Enter True or False for boolean items

The second is a Scheduled trigger. The trigger will fire every day at 9 am.

Scheduled Trigger Properties

Name: ☒ Enabled

Description:

Advanced Settings

☒ Repeat Daily
(means the trigger will be raised at the same time every day)

When:

Cancel Help Ok

The Monitored Item Trigger is used to start logging. The Scheduled trigger is also used to start logging.

Project Properties - Project1

Project Name: ☒ Enabled

Description:

Data Collector:

Groups | Connection Control | Log To | **Triggers**

☒ Let triggers initiate logging

	Trigger	Enabled	Effect	Description
▶	Bool_1 is True	<input checked="" type="checkbox"/>	Start logging data	
	9 AM Daily	<input checked="" type="checkbox"/>	Start logging data	

Add ▼ Remove ▼ Properties

Cancel Help Ok

Here is how the Data Logger will handle this situation.

Data will begin to log when the value of Bool_1 goes to true regardless of what time of day it is.

Data will begin to log at 9 am daily regardless of the value of Bool_1.

If data is already logging and the trigger fires to start the logging, the start logging request will be logged in the event log but will be ignored since data is already being logged.