

Tech Note 364

How to Configure the BatchGuiConfig ActiveX® Control for Redundancy Client Switch-Over

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Introduction

When using the BatchGuiConfig ActiveX Control in a Redundancy application, the following configuration steps must be completed in order for the InTouch client to automatically switch to the correct server in the case of a switchover. The objective is to reinit the BatchGuiConfig control when a switchover occurs.

Procedure

1. Create a new Tag in the InTouch® Tagname Dictionary.

This Memory Discrete tag (Example: **ServerComm**) will monitor the Batch Server connection in case of communication loss:

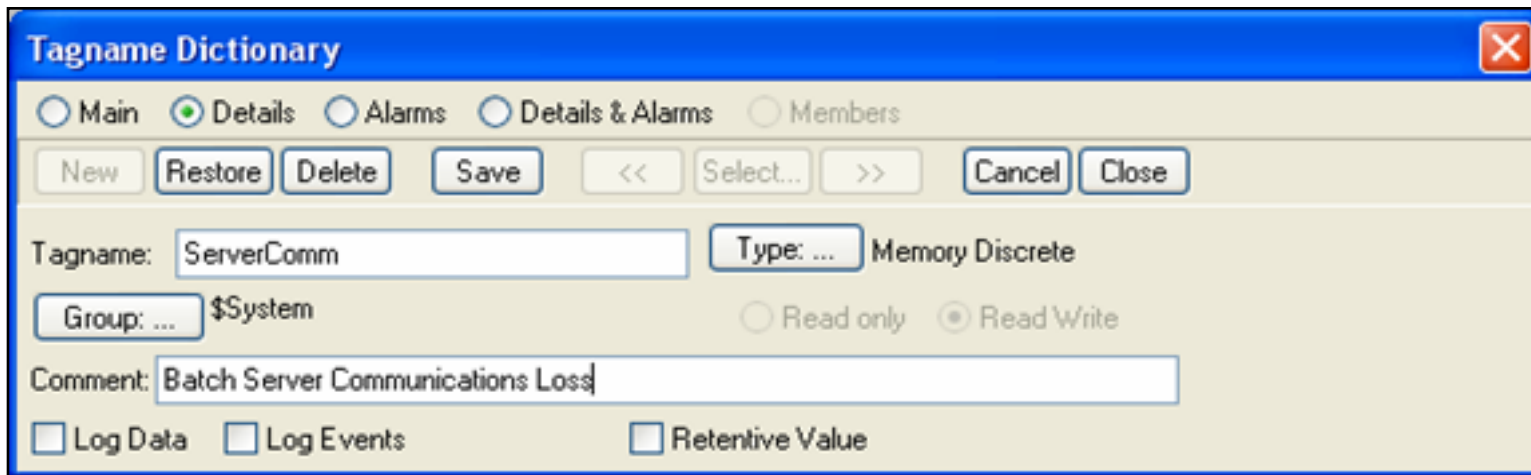


Figure 1: ServerComm Tag

2. Add a **Condition** script using one from the ActiveX Control Browser.
3. Select the **Init()** Method / Property:

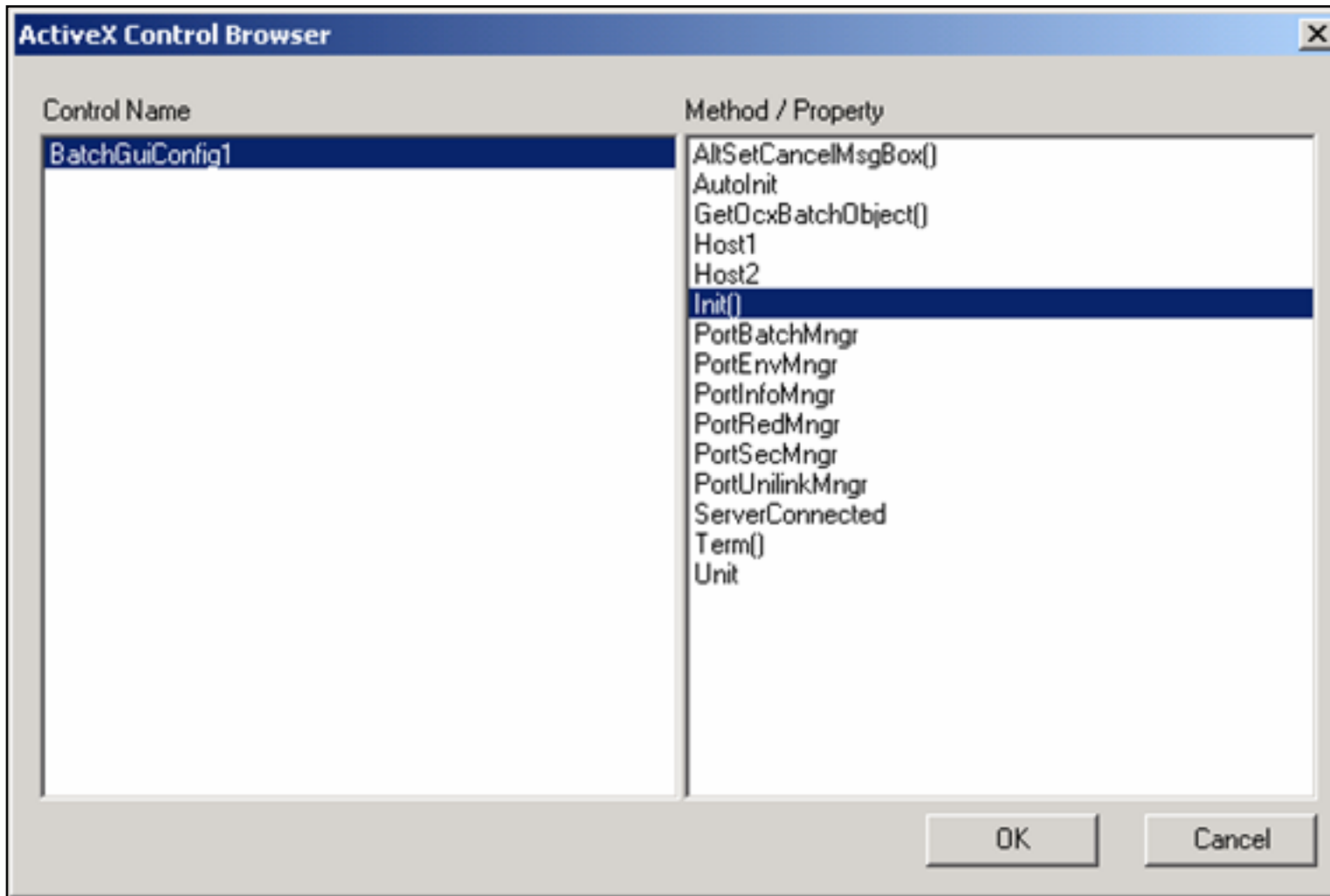


Figure 2: Init() Method / Property

In this example, the Condition script is called **ServerComm**, with a **Condition** type **While False**.

This script is set to run every **1000** msec. The rate can be set to how often you want the script to run.

This script monitors the connection of the **BatchGuiConfig** in the event of communication loss.

If the connection is lost the **#BatchGuiConfigInit()**; script will initialize the control when a switchover occurs to the correct Batch server:

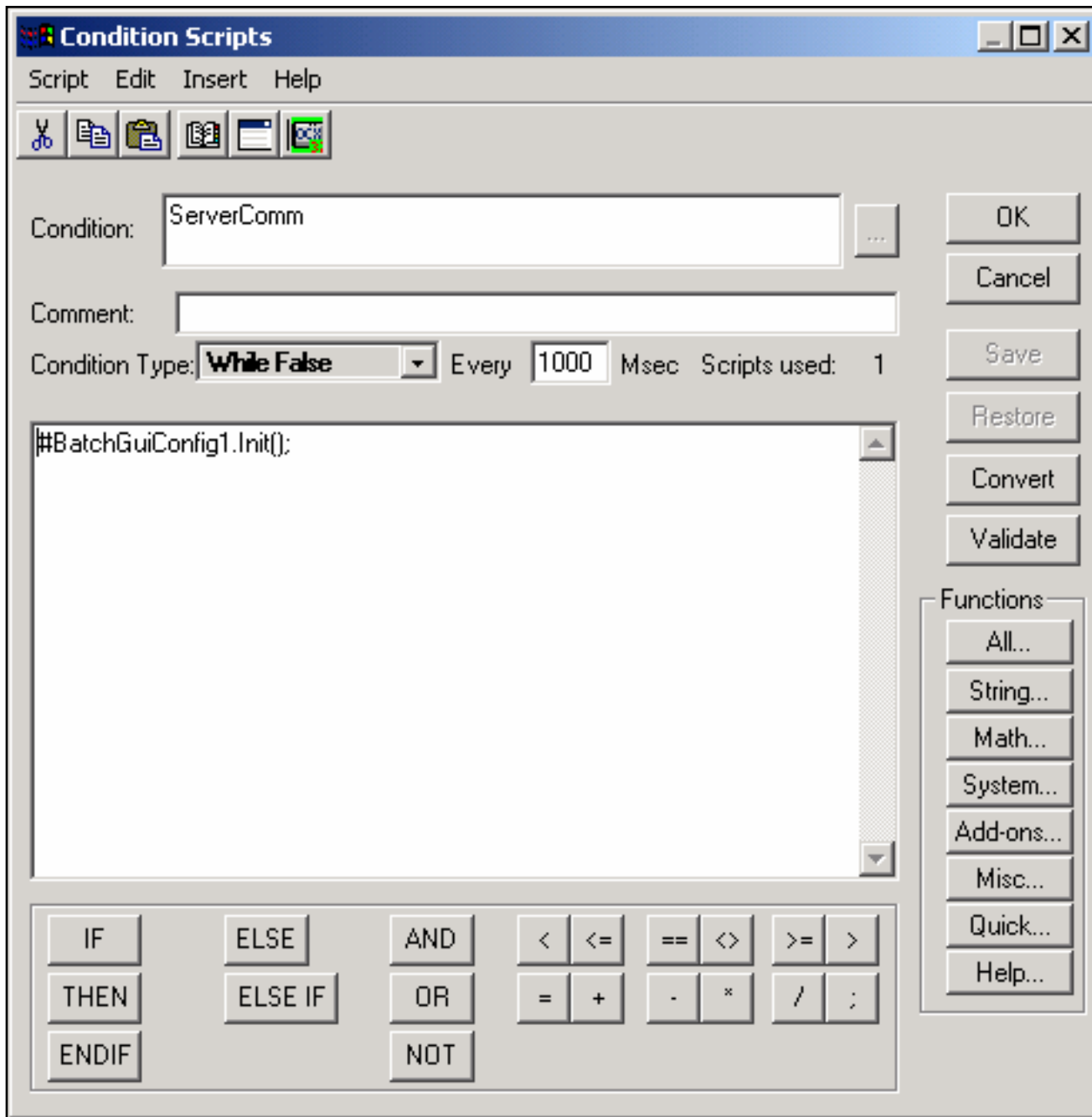


Figure 3: #BatchGuiConfig1.Init() Script

4. Configure the following in the **BatchGuiConfig** control:

Under the **Properties** field there is a property **ServerConnected**.

- The Range is **False** (so when the tag values changes to True, the control is initialized).
- The Tag Type is **Discrete**.
- The associated tag must point the **ServerComm** tag in the Tagname Dictionary that you created.

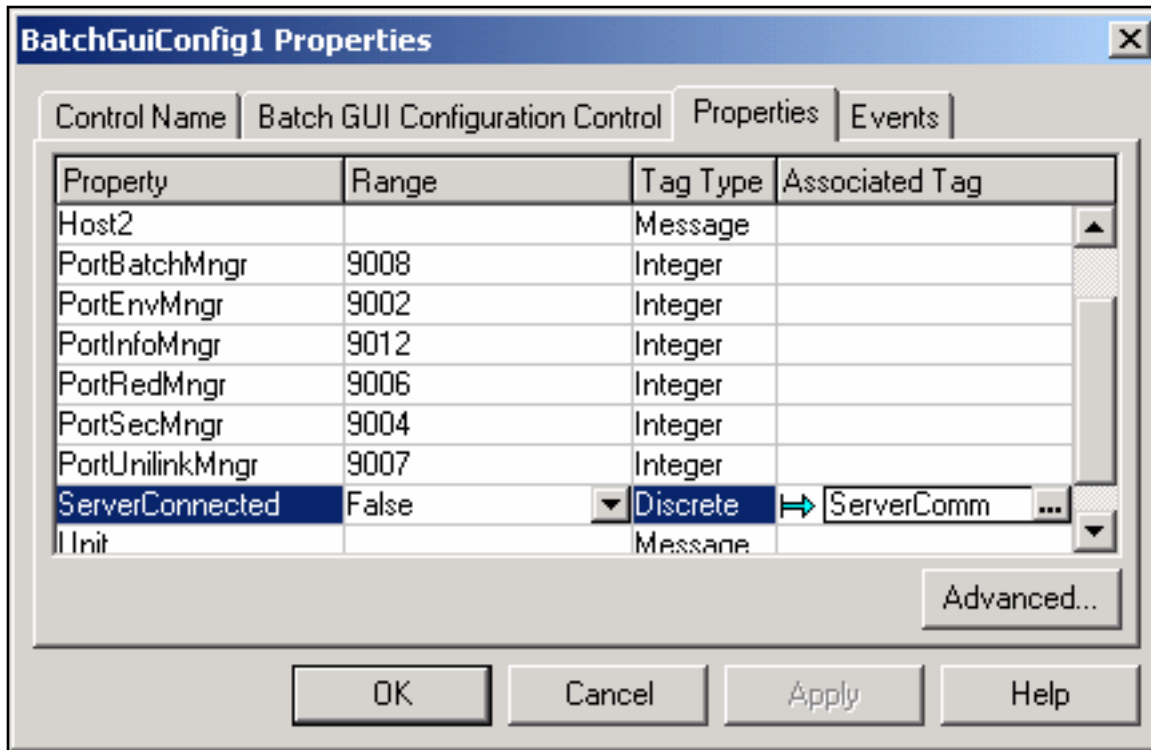


Figure 4: ServerConnected Property and Associated Tag

5. In the **BatchGuiConfig** control select the events tab and configure the following:
 - Select the event **LostServerConnection** and enter **ResetServerComm** as the script name.
 - Click the ellipsis (...) button at the right of the **LostServerConnection** row:

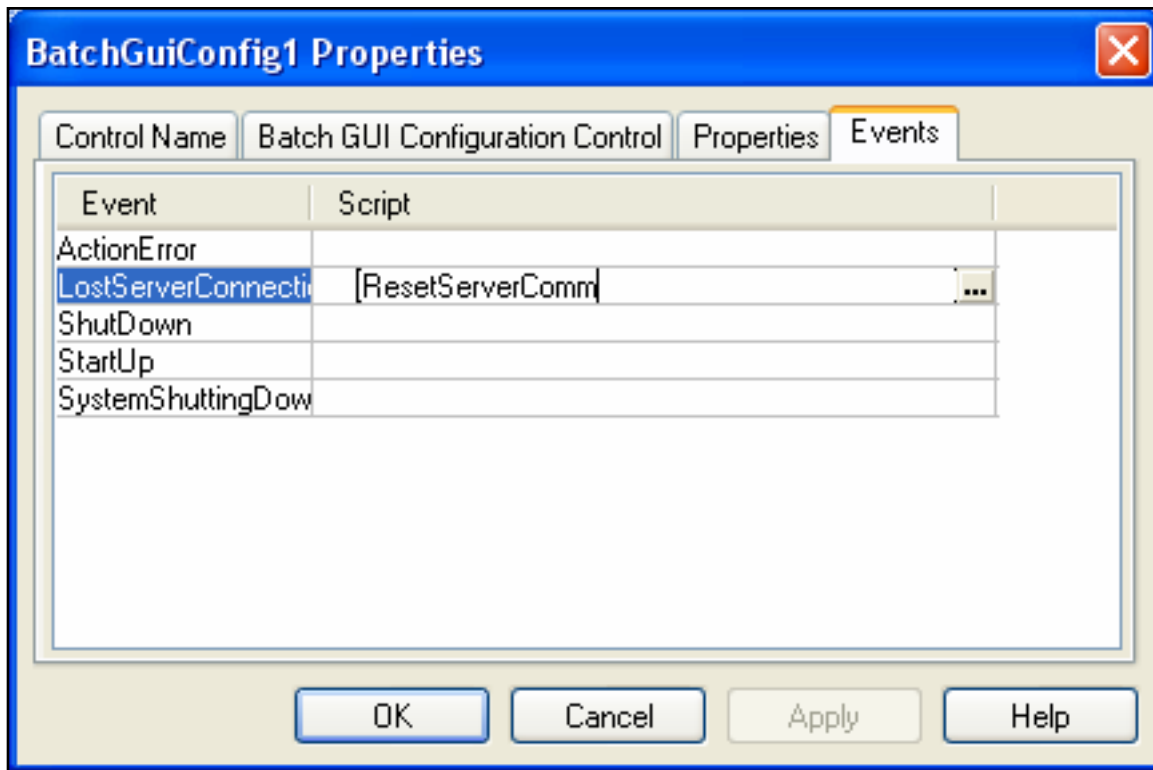


Figure 5: LostServerConnection Event and Associated Script

You will be prompted to create an ActiveX Event Script.

6. Add the script `ServerComm = 0;` and click **OK** (Figure 6 below) .

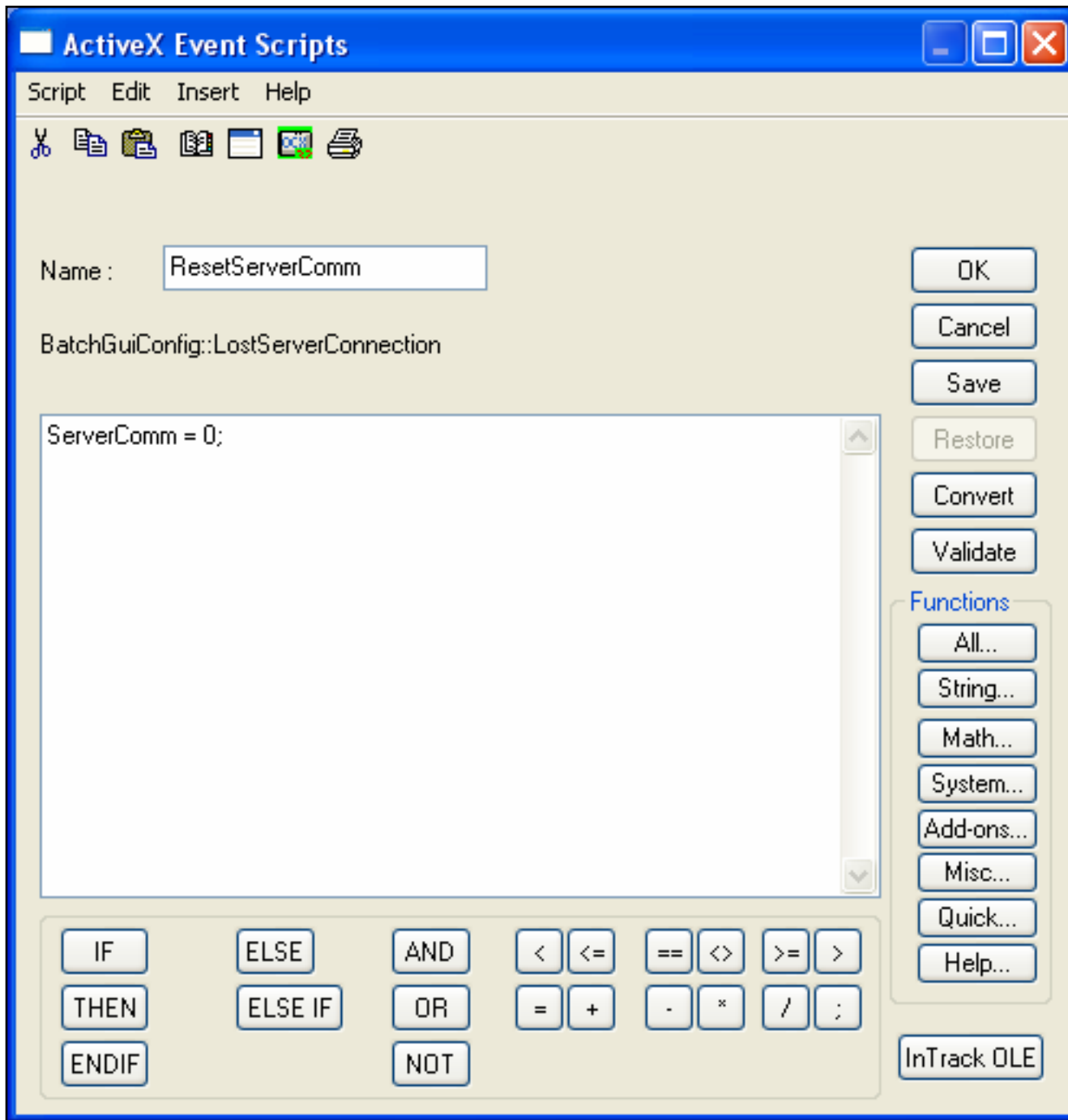


Figure 6: ServerComm Event Script

7. Return to the **Event** tab and highlight the **Event SystemShuttingDown** property.

8. Add the script name **ClearServerComm** (Figure 7 below).
9. Click the ... button.

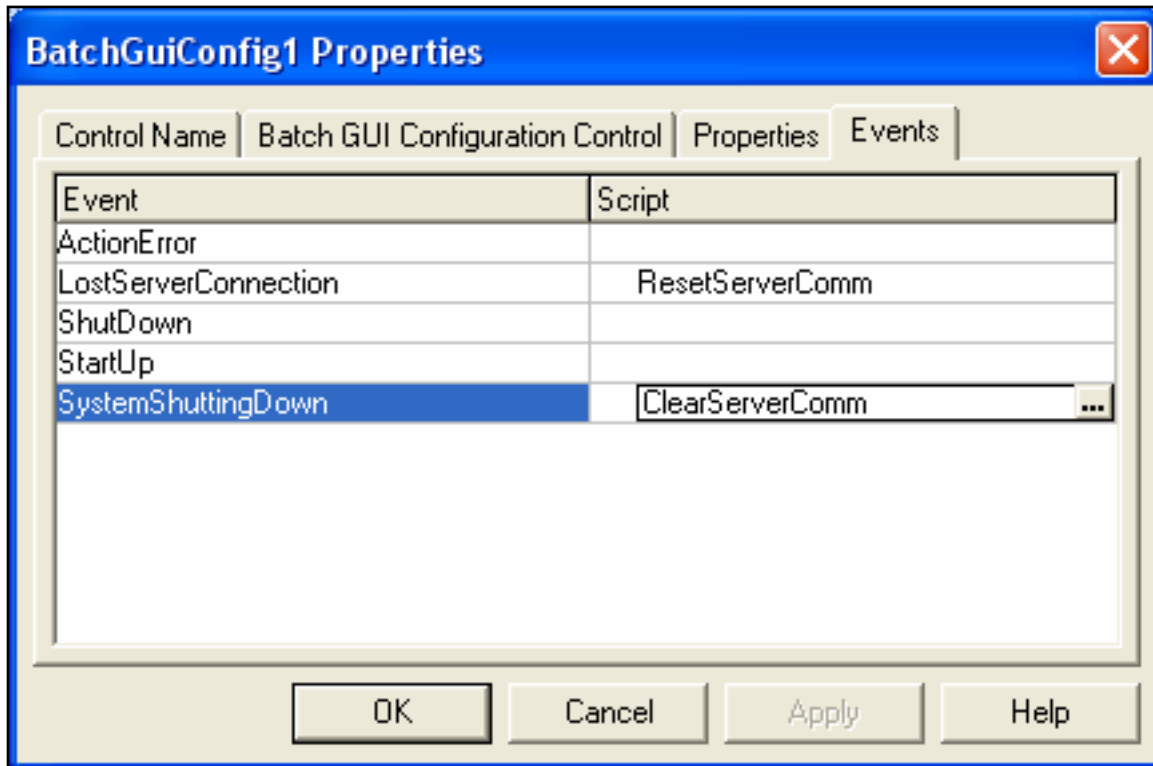


Figure 7: SystemShuttingDown Property

You will be prompted to create an ActiveX Event Script.

10. Add the script `ServerComm = 0;` and click **OK** (Figure 8 below).

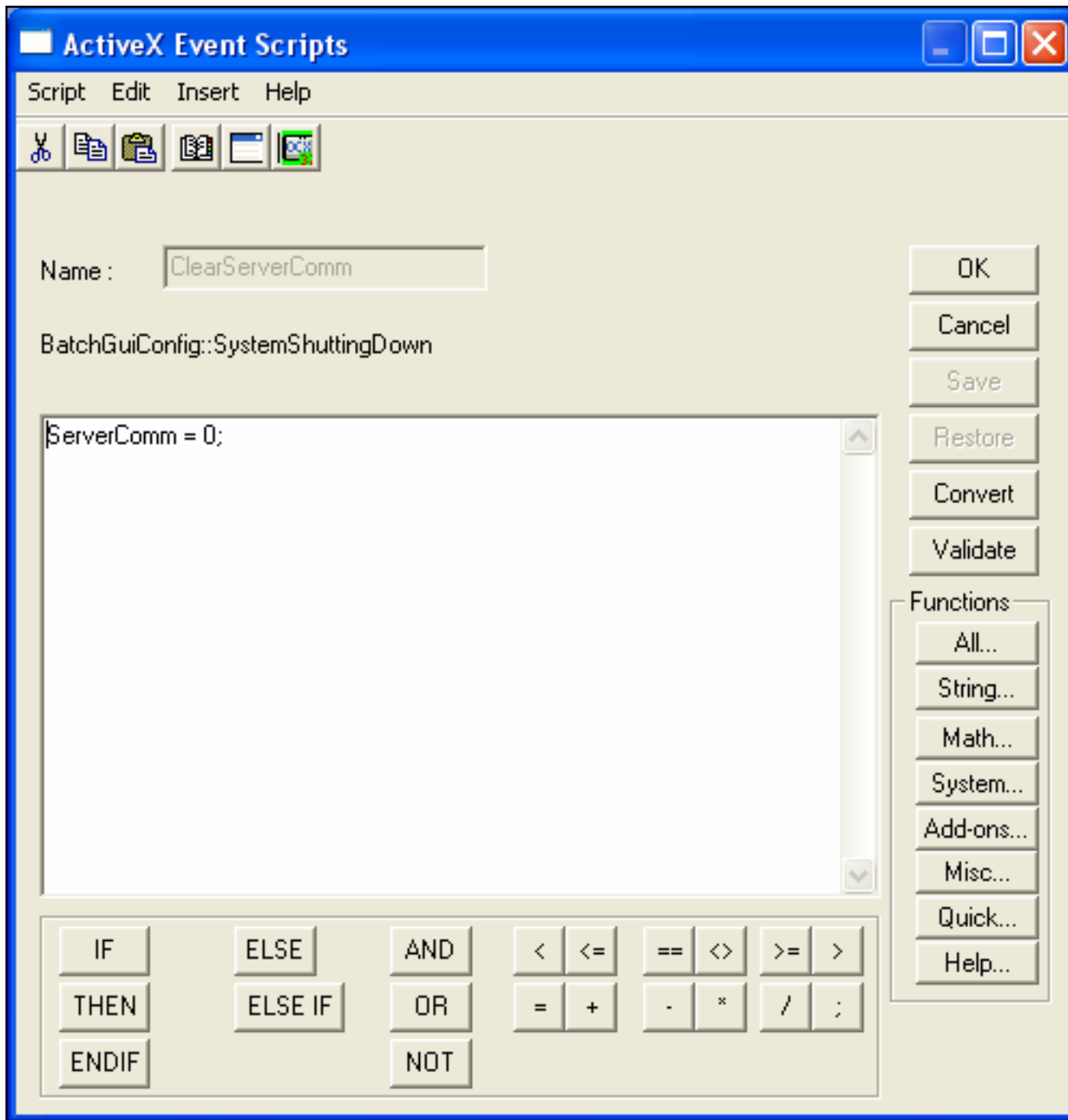


Figure 8: ServerComm Event Script

This completes the BatchGuiConfig ActiveX Control configuration.

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