[AN039]

ADVANCED
NETWORK DEVICES

IPClockWise: WCF Triggers

Version 2.0

9/6/2017

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U.S.A

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Static Electric Warning

TROUBLESHOOTING AND ADDITIONAL RESOURCES

Complete Support Site with User Guides & Help:	http://www.anetdsupport.com/
Additional App Notes:	http://www.anetdsupport.com/AppNotes
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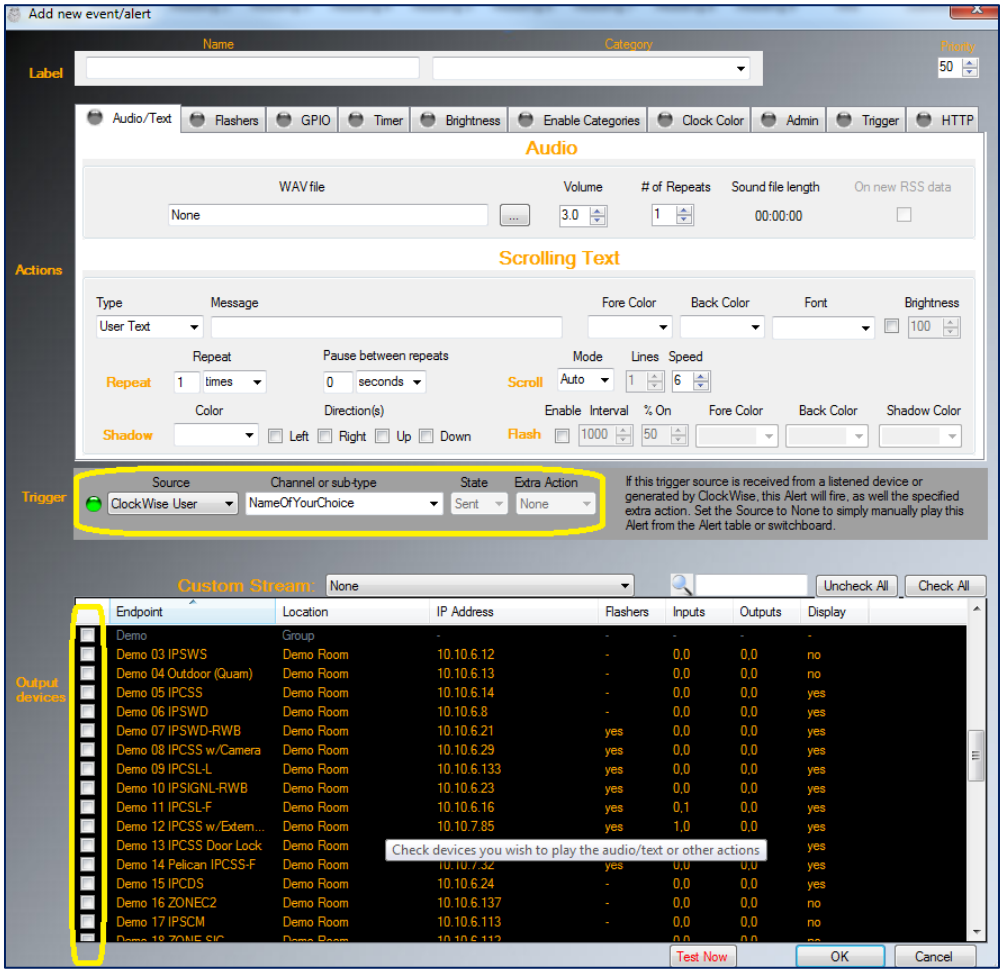
SETTING UP TRIGGER ALERTS IN IPCLOCKWISE

In IPClockWise, go to the **Alerts** tab, and select *Add an Alert*.



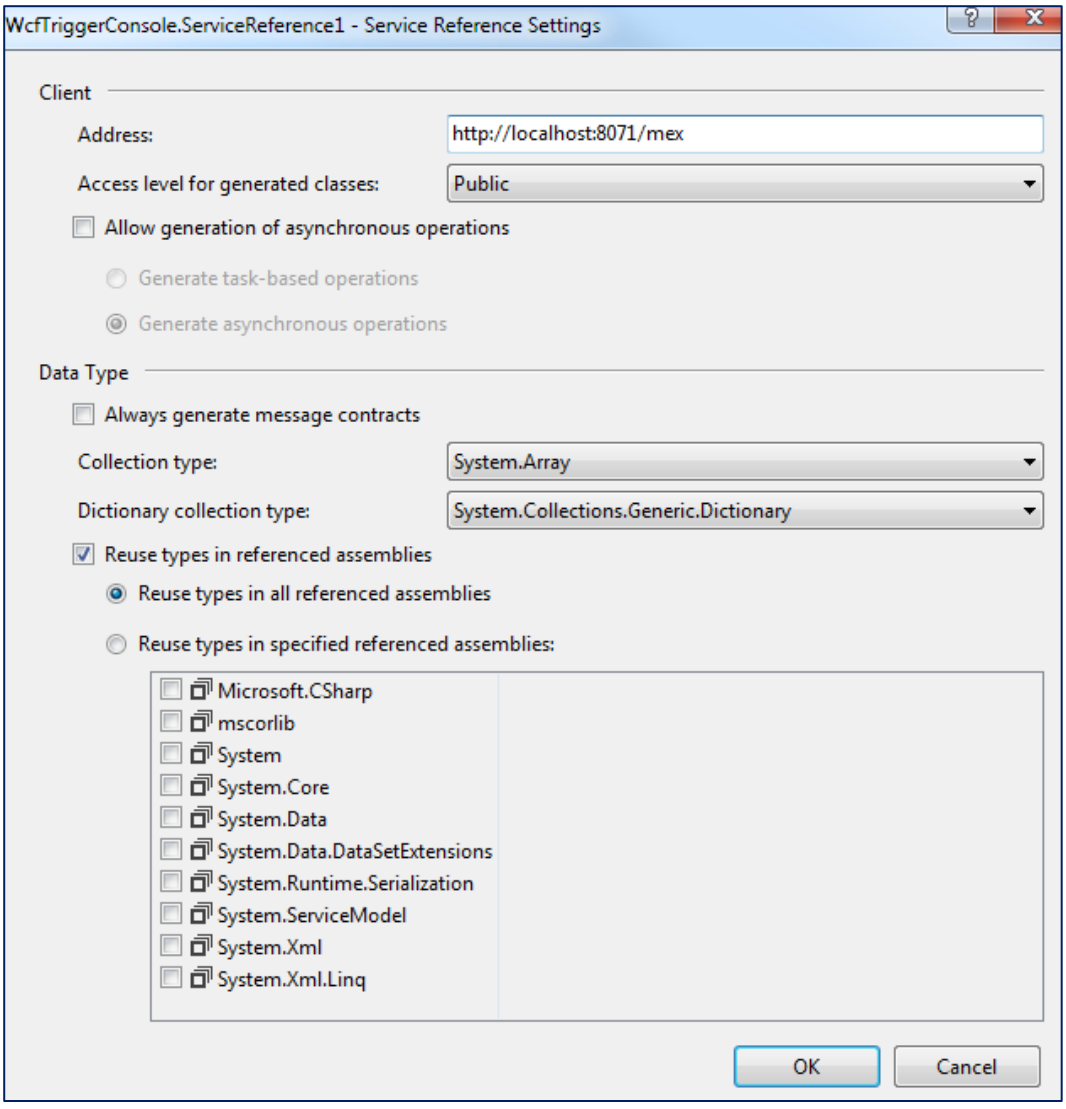
1. In the *Add new event/alert* window, enter a *Label,* which will appear in the list of *Alerts*.
2. Look for the *Trigger* section, and select "ClockWise User" in the *Source* drop-down menu.
3. Select or type a trigger name in the *Channel or sub-type* field to associate with this alert. When a ClockWise User trigger with a given name initiates, all alerts configured with a ClockWise User trigger which matches that name will activate.
4. To assign *Output devices*, place a check in the box next to each endpoint in the Endpoints list that the alert should target.
5. Complete the remaining *Actions* section of the Alert based on your preferences, such as a scrolling text message and/or audio WAV file.
6. Verify the output of the alert on the selected devices any time by clicking the *Test Now* button.
7. Click *OK* to save the Alert. IPClockWise will now respond to the named trigger as configured.

CONFIGURE AN EXTERNAL APPLICATION TO TRIGGER CLOCKWISE USER

1. Configure a .NET application to communicate with and trigger ClockWise User triggers by adding a service reference to the application that points to the WCF URL in IPClockWise: http://localhost:8071/mex. (Replace localhost with the IP or host name of the target computer if running IPClockWise on a remote machine).

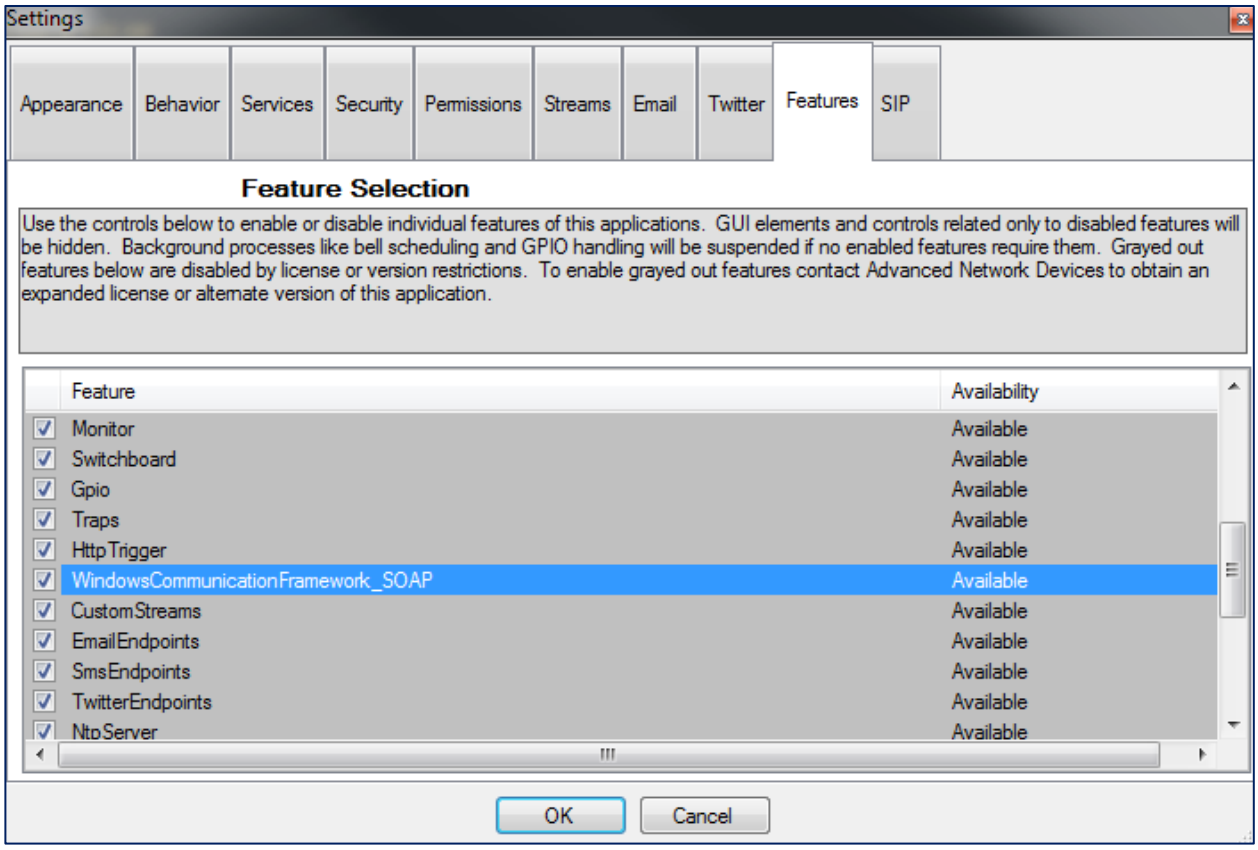
2. Use the method **`GetTriggerNames()`** to get an array of strings containing the configured trigger names in IPClockWise. This array will match the *Channel or sub-type* names entered in step 4 of the previous section.

3. Use the method **`FireTrigger(string triggerName)`** to cause a configured trigger with the name specified by triggerName to initiate in IPClockWise.



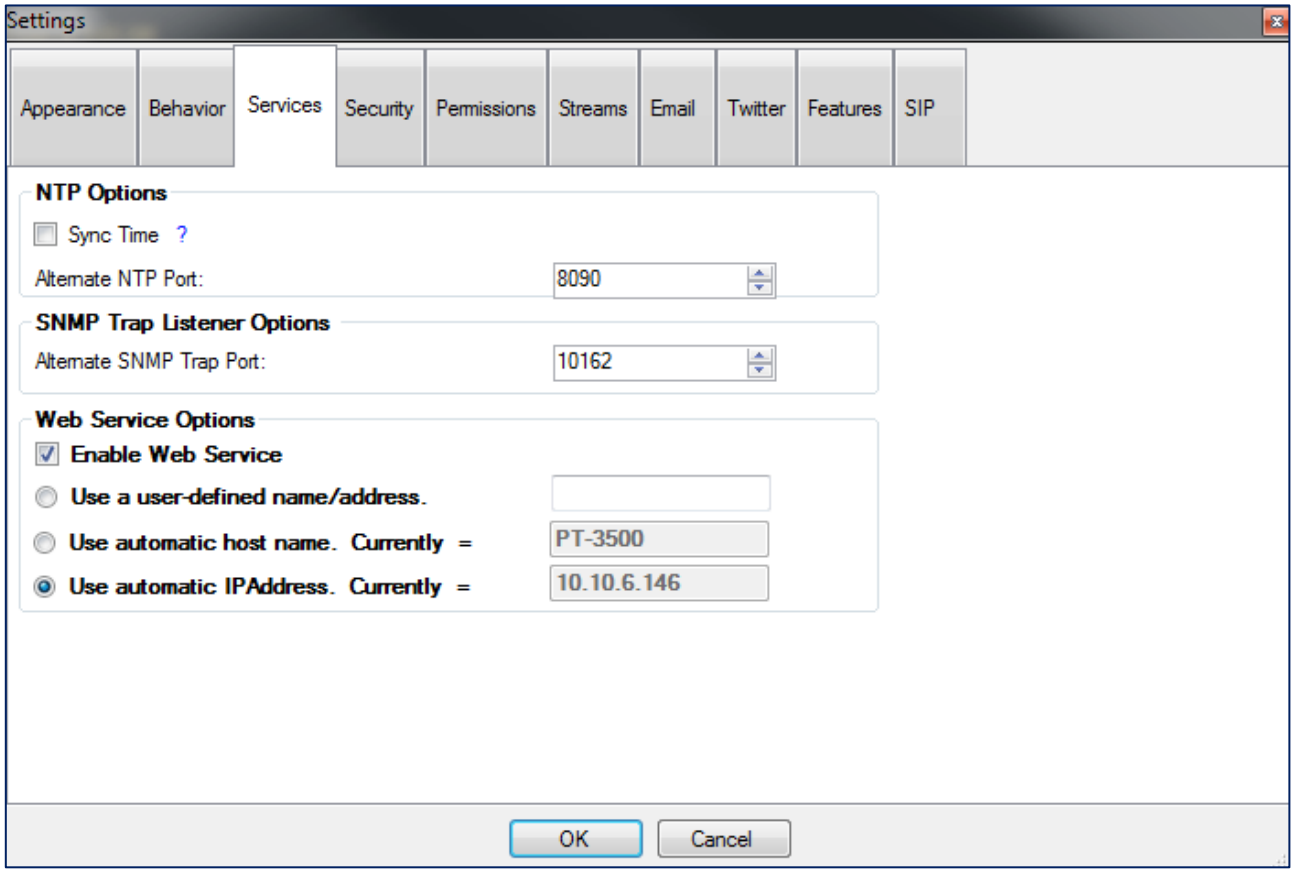
ENSURE WCF SERVICE IS RUNNING IN IPCLOCKWISE

1. Click the *Settings* button at the bottom of the main IPClockWise window.
2. Click on the *Features* tab.



3. Find *WindowsCommunicationFramework_SOAP* in the *Feature* list, and verify it shows as checked. If not, check it, and Click *OK* to confirm. Note: If you find this feature grayed out, please contact Advanced Network Devices to upgrade the current software license.
4. A prompt to restart IPClockWise will appear. Click *Yes*.

5. Go to the *Services* tab in IPClockWise Settings.



6. Make sure the *Enable Web Service* checkbox is checked in the *Web Service Options* section.

7. To connect to the web service using the IP address of the computer, ensure that *Use Automatic IPAddress* shows as selected. To connect using the computer host name instead, make sure to select *Use Automatic Host Name*. If your configuration requires a custom value, *Use a user-defined name/address.*

8. Close the **Settings** dialog by clicking *OK*. If you made any changes, a prompt to restart IPClockWise will appear. Click *Yes*.