

Description: This application note will guide you through setting up toast notifications and how to display them in Windows 10.

OS Requirement: Client must be Windows 10, or otherwise be able to install the MobileHMI Universal Windows Platform app.

Introduction

The terms “pop-up notifications”, “toastings”, “Poptart”, “passive pop-ups”, “desktop notifications”, “notification bubbles”, “rustings”, “balloon notifications” or simply “notifications” all refer to a graphical control element that communicates certain events to the user without forcing them to react to this notification immediately, unlike conventional pop-up windows. Desktop notifications usually disappear automatically after a short amount of time. Often their content is then stored in some widget that allows the users to access past notifications at a more convenient time.

A “toast notification” is a notification that your app sends to the user via a pop-up UI element called a toast (or banner). The notification can be seen whether the user is in your app or not.

Before getting started, make sure that port 40405 is open in any firewalls between your client and server.

Setting up Global Alarm Subscription

- On your server, open Workbench and select Platform Services → Unified Data Manger → Global Alarms.
- Right click on Global Alarms and select “Add Global Alarm”.
- Set name for this subscription and check “Enable Toast Notification”.
- Define your Toast Title and Message format.
- For tile settings, define Toast Count Tag, Normal Tile Title, Error Tile Title and Zero Value Tile Title
- In case you want to connect to a different AWX server other than local AWX server, then edit Alarm Subscription section
- Click Apply to complete your Alarm subscription definition.

NOTE: In order for the alarm subscriptions to be active, the AlarmWorX64 Server must be running. You should check the status of the traffic light icon to ensure that the light is green; if not, click the Start/Stop icon on the Home ribbon to turn the service on.

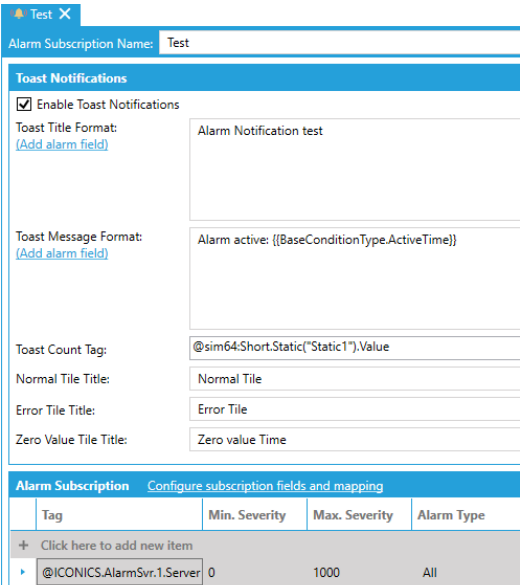


Figure 1 - UDM Toast Configuration

Setting up the MobileHMI App

- In the Windows store, download the MobileHMI app.
- In the MobileHMI app, push the icon and connect to your MobileHMI server where you had defined the Global alarm subscription.
- Click the  icon and subscribe to your newly created global alarm subscription
- Now you can close MobileHMI app. When new alarms get generated you will get a notification as in Figure 3.



Figure 2 - MobileHMI app

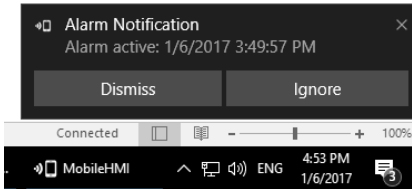


Figure 3 - Windows 10 toast notification