How to Refresh Lightning Web Components in Lightning Pages

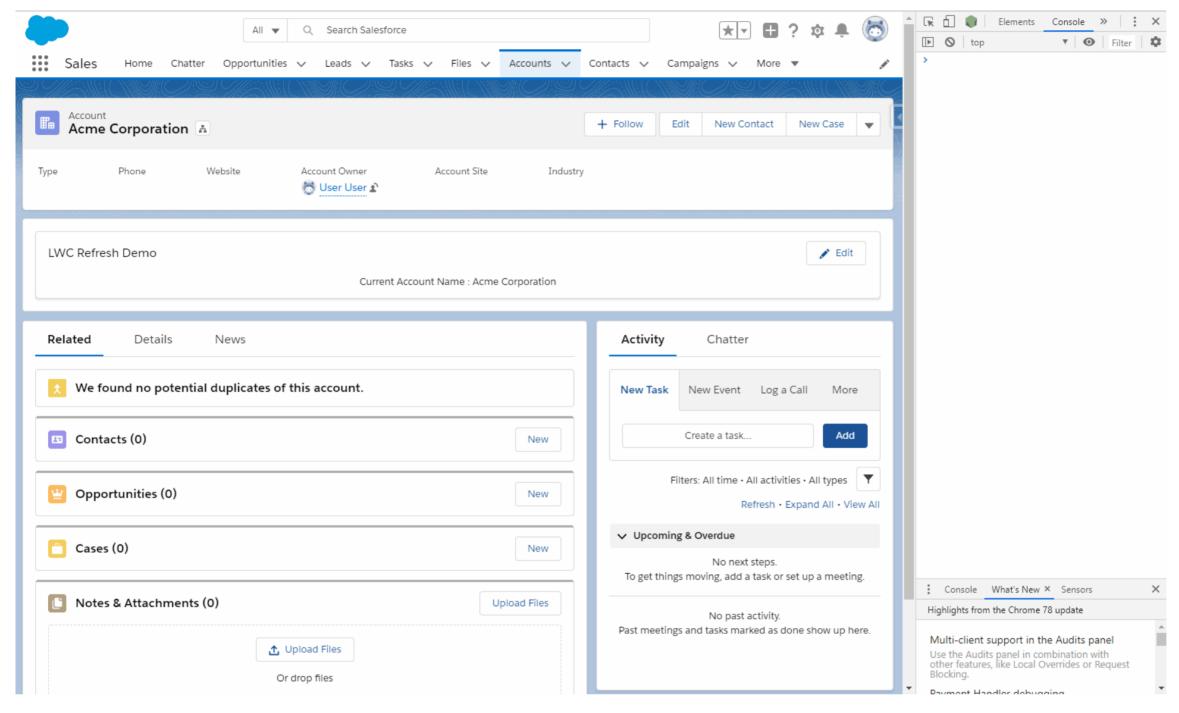
Making the switch from Aura Components to Lightning Web Components is a fun experience for Salesforce Developers, but making them play nicely together can be tricky.

Here is an example which illustrates how to broker communications across all Aura and Lightning Web Components within the context of a lightning page. The classic example of this is the 'e.force:refreshView' event, but in theory this could be used to broker all communications between Aura application events and Lightning Web Components.

This approach uses the pubSub library as well as an invisible "broker" to communicate between Aura and LWC.

It is important to note that this solution will allow developers to command all components on the page (Aura or LWC) to be refreshed at the same time, no matter if the component initiating the refresh is Aura or LWC.

Here is a simple demonstration of a Lightning Web Component called accountEditor listening for a refresh from other components, as well as initializing a refresh itself.



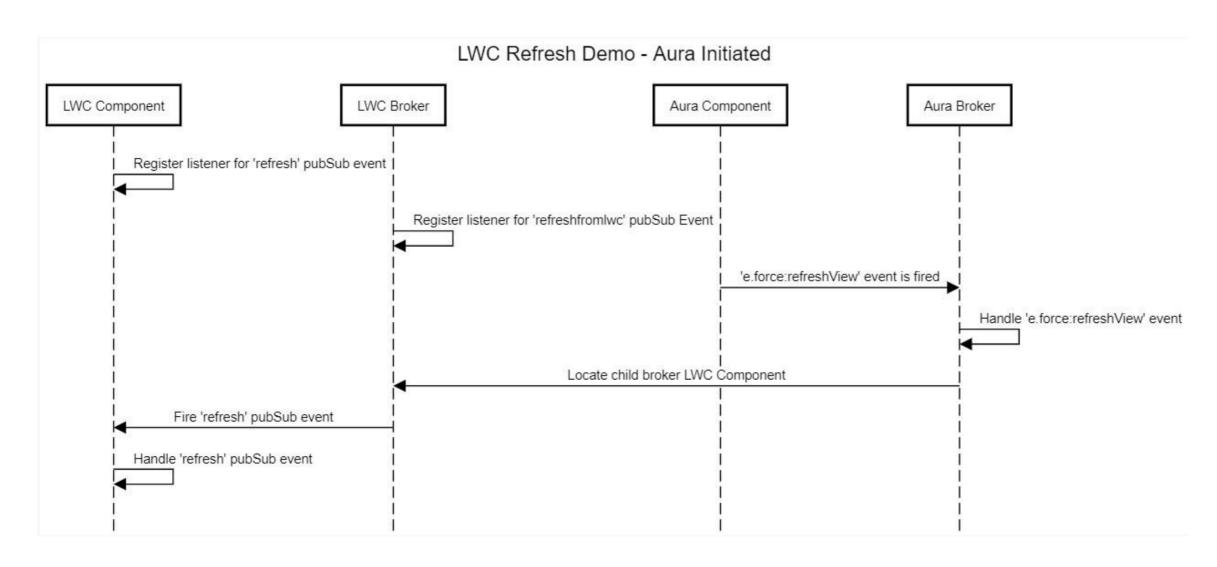
Simple Demonstration

Note the chrome console log statements in the above demo:

The accountEditor will log 'Listening to Refresh for LWC' when another component fires the Aura e.force:refreshView event

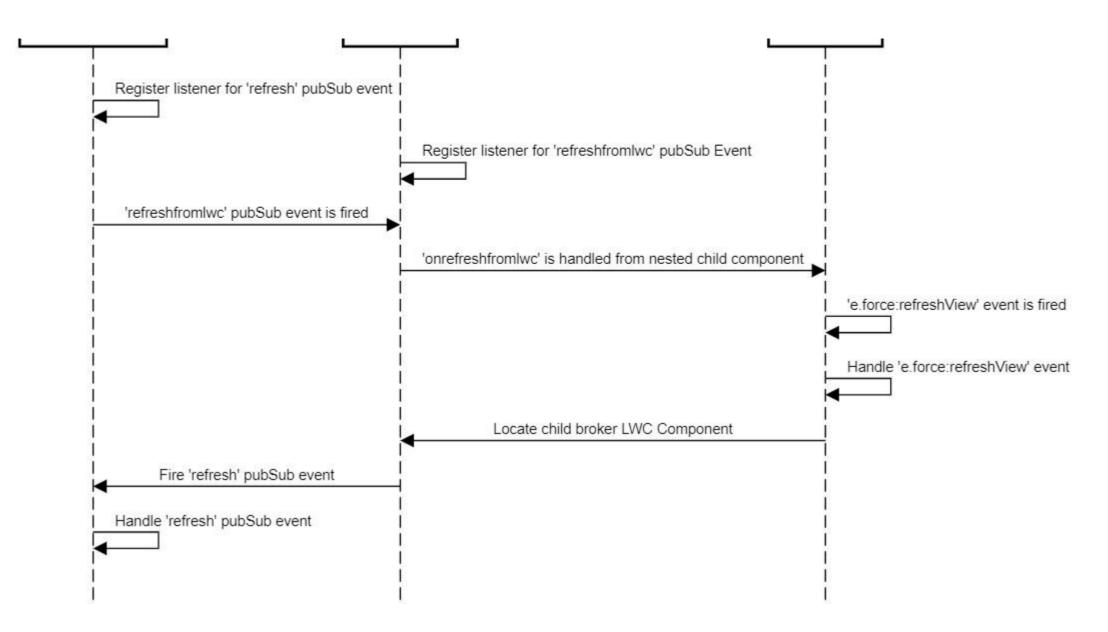
The accountEditor will log 'Calling Refresh from LWC' when it is initializing the refresh itself

There are two basic flows for brokering in this way:



LWC Refresh Demo - LWC Initiated

LWC Component LWC Broker Aura Broker



Make sure to check out the entire project at on github at https://github.com/mitchspano/LWCRefreshDemo