MetacatUI - Bug #6301

Clicking on cluster at max zoom level causing GMap loading issues

12/12/2013 11:56 AM - Lauren Walker

Status:	Resolved		**Start date:**	12/12/2013
Priority:	High		**Due date:**	12/31/2013
Assignee:	Lauren Walker		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:	1.4.0		**Spent time:**	0.00 hour
Bugzilla-Id:				

Description

It seems there is a communication problem between the marker clusterer app and the Google maps app when the map is at max zoom level. Either the map doesn't know what to do with itself when it receives a back-door request to zoom in (from cluster click) but it can't, or the clusterer doesn't know when to not send a zoom request.

This should be fixed before the KNB announcement in early January.

History

#1 - 12/12/2013 05:43 PM - Lauren Walker

- Status changed from New to Resolved

The GoogleMaps was freezing up (and crashing the browser in some instances) when a cluster was clicked on at max zoom level. I found that the markerclusterer plugin has trouble syncing the Google Map max zoom property and the MarkerClusterer max zoom property. When I set the clusterer max zoom to 15 and the map max zoom to null, everything seems to work okay. Any other combination triggers a map event (either fitBounds or zoom), triggering many metacat searches and freezing up the map.

This issue also caused me to notice that at max zoom, if you click on a cluster, the cluster disappears. So I patched the MarkerClusterer plugin to fix that according to
https://code.google.com/p/google-maps-utility-library-v3/issues/detail?can=2&start=0&num=100&q=&colspec=ID%20Type%20Status%20Priority%20Fixed%20Owner%20Summary%20Stars&groupby=&sort=&id=210.