

CLIQTAGS

Geofencing

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revision 3

Introduction

- Geofencing is supported via a combination of the CliqTags service and the CliqTags Spotter app available for iOS and Android
- Content and geofence associations are created in CliqTags
- CliqTags Spotter then shows information related to those locations
- CliqTags Spotter supports both beacons and geofences and presents them in the same way



Go to the Sites / Edit / Location tab of a site

The screenshot displays the CLIQTAGS administration interface. At the top left is the CLIQTAGS logo. On the top right, it shows the user 'Super Admin Abiro' and a 'Logout' button. A navigation bar contains links for 'Home', 'Administration', 'Funds', 'Profile', 'Help', and 'Contact'. The main content area shows a breadcrumb trail: 'Administration > Sites > Edit site 'Test multiple geofencing''. Below this is a tabbed interface with tabs for 'Attributes', 'Metadata', 'Background', 'Border', 'Text', 'Button', 'Menu', 'Header', 'Footer', 'Stylesheet', 'Javascript', and 'Location'. The 'Location' tab is active, showing the title 'Location' and subtitle 'Settings for beacons and geofencing'. The 'iBeacon' section includes an 'Active' checkbox, a 'UUID' dropdown menu (set to '[none]'), 'Major ID' and 'Minor ID' input fields, and a 'Proximity' dropdown menu (set to 'Far'). The 'Geofencing' section includes an 'Active' checkbox, a 'New' button, a 'Delete' button, a 'Show' button, and a 'Search' button. Below these is a world map with labels for 'NORTH AMERICA', 'SOUTH AMERICA', 'AFRICA', 'EUROPE', 'ASIA', 'AUSTR.', 'Atlantic Ocean', and 'Indian Ocean'. The map has a 'Karta' button and a 'Satellit' button. At the bottom of the map, it says 'Google Kartdata ©2016 2000 km Användarvillkor'. Below the map is a 'File:' label and a 'Välj fil' button, with the text 'Ingen fil har valts'.

Create geofences

New creates a geofence.

Delete removes the selected (green) geofence.

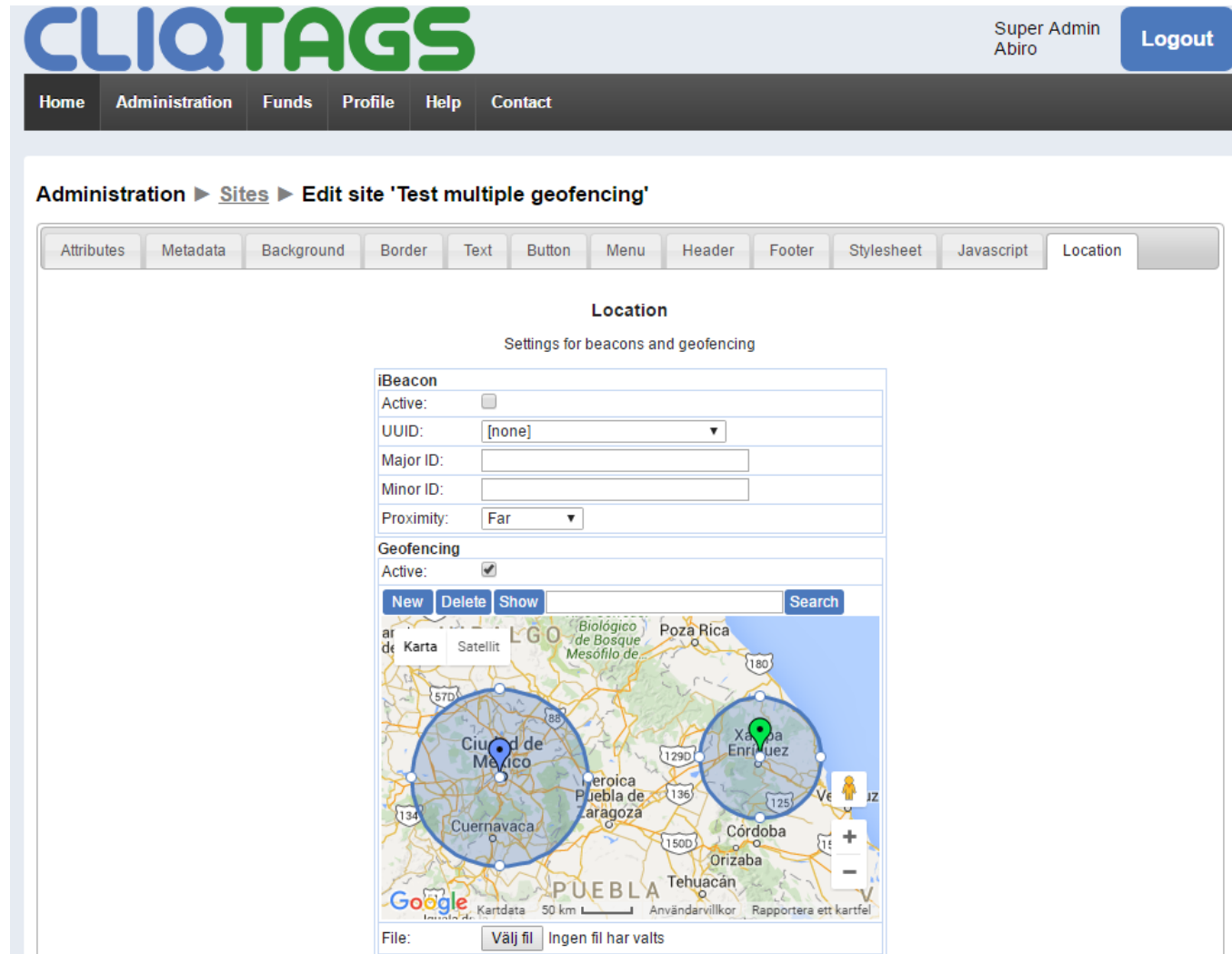
Show aligns the map so all geofences are shown.

Search looks up an address.

File enables uploading of geofences in CSV format.

You can zoom and pan the map the usual way.

See the tooltips for more.



The screenshot shows the CLIOTAGS administration interface. At the top, there is a navigation bar with links for Home, Administration, Funds, Profile, Help, and Contact. The user is logged in as 'Super Admin Abiro'. The current page is 'Administration > Sites > Edit site 'Test multiple geofencing''. Below this, there is a tabbed interface with tabs for Attributes, Metadata, Background, Border, Text, Button, Menu, Header, Footer, Stylesheet, Javascript, and Location. The 'Location' tab is active, showing 'Settings for beacons and geofencing'. The 'iBeacon' section has an 'Active' checkbox, a 'UUID' dropdown menu (set to '[none]'), 'Major ID' and 'Minor ID' input fields, and a 'Proximity' dropdown menu (set to 'Far'). The 'Geofencing' section has an 'Active' checkbox checked. Below this is a map of Mexico with two blue circular geofences. One is centered on Mexico City, and the other is centered on Xalapa. A green pin is visible on the Xalapa geofence. The map includes a search bar, 'New', 'Delete', and 'Show' buttons, and a 'Search' button. At the bottom, there is a 'File:' section with a 'Välj fil' button and the text 'Ingen fil har valts'.

Once a geofence has been created you can move it, as well as change the size of the circle.

Geofences uploaded via File will be shown next time you go to Edit / Location, for possible further editing.

Don't forget to check **Active** before you save.

Other settings

These affect both beacons and geofences in similar ways:

- **Dwell time:** The time in seconds before a a site is shown when moving into or out of a geofence (as controlled by Direction)
- **Direction:** Defines in what direction (inwards or outwards) the user needs to move to trigger showing a site
- **Immediate:** Determines whether the site content should be shown immediately or not
- **Banner:** Content to show in the app when a geofence has been detected
- **Semantics:** URL schemes to control features like making a call etc

App notes

- The app has several geofencing-related preferences, but the default settings are optimized for low-power use
- The user has to move at least 20 meters from previous location for a new geofence check; the phone itself might then add more to that distance
- The phone is considered inside a geofence when the location overlaps a geofence, taking accuracy into account
 - Yet, max 100 meters, to avoid false triggering
- Overlapping geofences are treated as one geofence
- Dwell time will be active even after leaving a geofence

