



GPS Integration

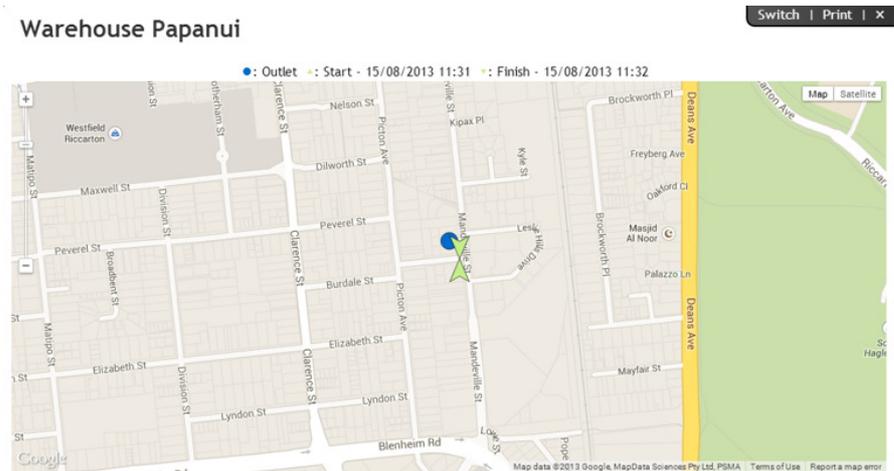
Quick Reference Guide

Opmetrix App Version 4.2 onwards

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Introduction



Opmetrix App Mobile can record the GPS coordinates of every store visit completed by a field user.

This data is then compared against the stored coordinates of the store to determine if the field user was in the correct location when they completed the visit and tasks for that store.

The Opmetrix CMS reporting suite includes a location compliance report and store compliance indicators are available in the time in store reports.

GPS integrations use a variety of methods to determine where a mobile device is:

- **GPS** - Many tablets have a GPS built in
- **3G/4G** - The SIM card in the device can determine location
- **Wi-Fi** - The Wi-Fi network can determine location

Opmetrix uses all of the above to determine a location. Some methods are more accurate than others, however this is factored in when determining location compliance.

Opmetrix GPS Integration works on all supported platforms including iPad, Windows 8 tablets and laptop.

GPS Location Considerations

GPS Integration can be a problematic discussion to have with a field team. While the benefits of business analysis reporting are substantial, some field users may not be comfortable with its use.

We recommend that field users are advised that Opmetrix does have this capability and is active on their system.

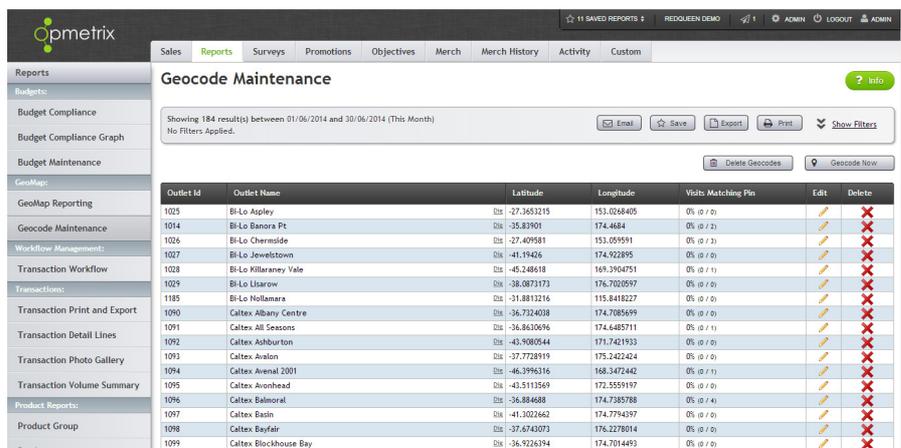
Usage and Features

- There is an option in the system setting to turn this functionality off for the entire Opmetrix system
- Field users must select '**Allow Opmetrix to determine your location**' when the system is installed. Selecting **No** will disable this option for that device.
- Field users can also disable this option in the **settings** and configuration area of the tablet/iPad post install of Opmetrix.
- A store/outlet must have its coordinates (geocode) set in Opmetrix to compare the GPS location in order to report on location compliance
- GPS location on a mobile device is variable therefore a setting in Opmetrix allows for this. The default compliance distance is a radius of 1000 metres from the outlets geocode. It can be set to a maximum of 1 kilometre.

Setup Outlet Location

In order to check location compliance the coordinates of each store visited must be accurately stored. These coordinates are called a geocode.

Automatic geocoding based on the customers address is not always accurate therefore Opmetrix provides a geocoding maintenance module for updating your customer’s geocode.



GeoMap Customer Maintenance – is available on the **Reports Tab**, then select **Geomap Maintenance**. Only **Opmetrix Administrators** have access to this function.

Tip: Use Ctrl-F in your browser to show the find dialogue box, and then enter part of the customer name to quickly locate the outlet you wish to lookup.

- Edit** Selects a customer to lookup individual address on the map
- Delete** Deletes an individual geocode for a customer
- Delete Geocodes** Deletes geocodes for all customers
- Geocode Now** Geocodes all customers without existing Geocodes

Setting / Updating Geocodes

Select **edit** to select a customer

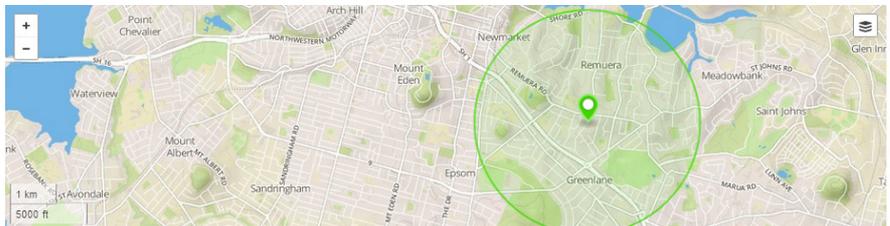
Geocode Maintenance

Outlet Details

Outlet Name: **New World Remuera**

Address:

Latitude:
 Longitude:



If the store has a Geocode the longitude and latitude fields will have numbers displayed and the map will have a green pin on the current store location.

Minor adjustment to a customer location

Sometimes the pin may not be exactly where the store is (eg in a big shopping mall). Click on the location you require and a new blue pin will appear. Once you have the correct location select **Save**.

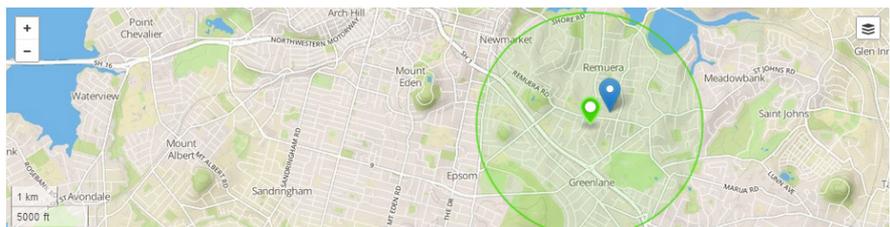
Geocode Maintenance

Outlet Details

Outlet Name: **New World Remuera**

Address:

Latitude:
 Longitude:



No Location or wrong location

Tip: Use the zoom and pan controls on the map to assist with accuracy.

Sometimes there may be no location or a completely wrong location (eg wrong country or hemisphere).

Enter in the address of the outlet in the four line address field. Be as accurate as possible and include a state and country to be sure that the correct address will be found. Now select **Find on Map** to update the map below.

Outlet Details

Outlet Name: New York Hotel

Address: Union & Edward Streets
Pyrmont
NSW

Latitude: -32.617858
Longitude: -62.694058

Find on Map Cancel Save

Opmetrix CMS | Version 4.2 | © 2014 Opmetrix Ltd

You can refine the location by clicking on the map which updates the red pin. Once you have the correct location select.

Important:

Entering an address does not overwrite the customers address in you accounting system or master data. It is only used temporarily to find the address on the map.

Tips when entering addresses

- Don't use 'corner of' (eg cnr High and Smith)
- Don't include flat or unit numbers (eg Unit 2)
- Don't include level (eg level 2)
- Do use a region, state or country

Geocoding Resources

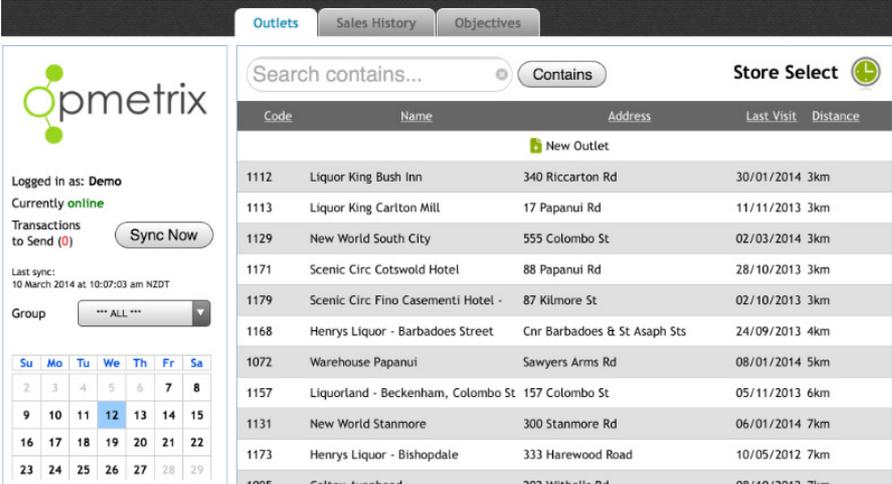
Auto geocoding

To Auto geocode customer addresses, select **Geocode Now** in the Geocode Maintenance section.

The results are based on the actual addresses in your accounting or master customer list therefore including a state and country for each customer assists greatly with accuracy. As part of ongoing system maintenance, it will be necessary for you to manually correct or update inaccurate geocodes using the **Geocode Now** tool in Opmetrix CMS.

Checking Geocodes

Opmetrix App users see the distance to each store in their store select screen.



The screenshot displays the Opmetrix App interface. On the left, there is a sidebar with the Opmetrix logo, user information (Logged in as: Demo, Currently online), a 'Sync Now' button, and a calendar for March 2014. The main content area is titled 'Outlets' and features a search bar with the text 'Search contains...' and a 'Contains' button. Below the search bar is a 'Store Select' button. The main area contains a table of outlets with the following data:

Code	Name	Address	Last Visit	Distance
		 New Outlet		
1112	Liquor King Bush Inn	340 Riccarton Rd	30/01/2014	3km
1113	Liquor King Carlton Mill	17 Papanui Rd	11/11/2013	3km
1129	New World South City	555 Colombo St	02/03/2014	3km
1171	Scenic Circ. Cotswold Hotel	88 Papanui Rd	28/10/2013	3km
1179	Scenic Circ. Fino Casementi Hotel -	87 Kilmore St	02/10/2013	3km
1168	Henrys Liquor - Barbadoes Street	Cnr Barbadoes & St Asaph Sts	24/09/2013	4km
1072	Warehouse Papanui	Sawyers Arms Rd	08/01/2014	5km
1157	Liquorland - Beckenham, Colombo St	157 Colombo St	05/11/2013	6km
1131	New World Stanmore	300 Stanmore Rd	06/01/2014	7km
1173	Henrys Liquor - Bishopdale	333 Harewood Road	10/05/2012	7km
1095	Caltex Avonhead	202 Witthells Rd	08/10/2012	7km

If a distance is incorrect we recommend using the **Calling Card** option in Opmetrix to advise head office to update the location for that customer.

GPS Integration

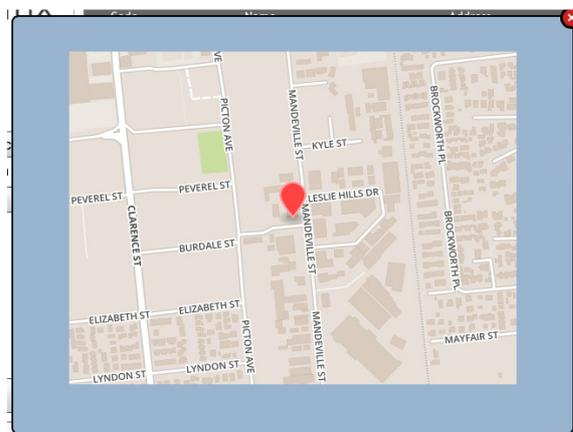
Each time a field user **starts** or **ends** a store visit, the GPS coordinates are stored. If a field user starts a call on-site, then finishes that call in another location, this can then be reported on. Many Opmetrix customers track and analyse time spent in each store to ensure stores are not over or under serviced.

The screenshot displays the Opmetrix web application interface. On the left, there is a sidebar with the Opmetrix logo, user information (Logged in as: Demo, Currently online), and a calendar for March 2014. The main content area is titled 'Outlets' and features a search bar and a 'Store Select' button. Below these is a table listing various outlets with their respective codes, names, addresses, last visit dates, and distances.

Code	Name	Address	Last Visit	Distance
		+ New Outlet		
1112	Liquor King Bush Inn	340 Riccarton Rd	30/01/2014	3km
1113	Liquor King Carlton Mill	17 Papanui Rd	11/11/2013	3km
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Checking GPS on a mobile device

From the Opmetrix App Store Select Menu select **Action Menu** then **GPS Location Test**. A map will display with current location which confirms the GPS integration is active.



Time in Store Report

The Time in store report is available under the **Activity** tab.

The Time in store report is available to Admin, Supervisors and field users. Data is restricted based on the level of access.

Outlet ID	Outlet Name	Start Time	End Time	Device Login	Visit Type	Time Taken	Location
1020	Coles Broadbeach	12/03/2014 11:15	12/03/2014 11:17	CubaDemo	In Store	0:01:19	Location
1107	Pak N Save Hornby	12/03/2014 10:51	12/03/2014 11:01	Scott	In Store	0:10:44	Location
1034	Countdown Greenlane	12/03/2014 10:24	12/03/2014 10:46	Renee	Out of Store	0:22:12	Location
1096	Catex Balmoral	12/03/2014 09:19	12/03/2014 10:11	Rod	In Store	0:51:51	Location
1111	Pak N Save Mangere	04/03/2014 10:30	11/03/2014 12:16	Scott	In Store	1:05:45:51	Location
1069	Warehouse Newmarket	11/03/2014 10:45	11/03/2014 10:46	Renee	In Store	0:01:33	Location
1034	Countdown Greenlane	11/03/2014 10:41	11/03/2014 10:45	Renee	In Store	0:04:11	Location
1091	Catex All Seasons	11/03/2014 10:12	11/03/2014 10:23	Rod	In Store	0:10:42	Location
1064	Warehouse Manukau	10/03/2014 15:54	10/03/2014 15:55	Renee	Out of Store	0:01:23	Location
1034	Countdown Greenlane	10/03/2014 15:29	10/03/2014 15:31	Renee	In Store	0:01:12	Location
1035	PriceLock Amandale Hotel	07/03/2014 11:57	07/03/2014 11:58	Demo	In Store	0:00:14	Location
1011	Coles Albury	06/03/2014 12:41	06/03/2014 12:48	Demo	In Store	0:07:13	Location
1011	Coles Albury	06/03/2014 12:18	06/03/2014 12:40	Demo	In Store	0:22:19	Location
1069	Warehouse Newmarket	04/03/2014 10:35	04/03/2014 10:38	Renee	In Store	0:02:45	Location
1098	Catex Bayfit	04/03/2014 09:12	04/03/2014 09:14	Rod	In Store	0:01:52	Location
1096	Catex Balmoral	03/03/2014 17:11	03/03/2014 17:14	Rod	In Store	0:02:42	Location
1036	PriceLock Australian Hotel	03/03/2014 17:07	03/03/2014 17:08	Rod	In Store	0:01:31	Location
1034	Countdown Greenlane	03/03/2014 16:54	03/03/2014 16:56	Renee	In Store	0:01:54	Location
1034	Countdown Greenlane	03/03/2014 16:23	03/03/2014 16:30	Renee	In Store	0:06:49	Location

The right hand column indicates if the GPS location matches the stored geocode for that visit.

Tip: Use the report filters to show only in-store visits and no other types of custom visit types like phone calls or Admin visits.

Green Indicator

The Start and End coordinates matched the outlets geocode

Orange Indicator

Either the Start or End coordinates matched the outlets geocode, but the other did not.

Red Indicator

No coordinates matched the outlets geocode

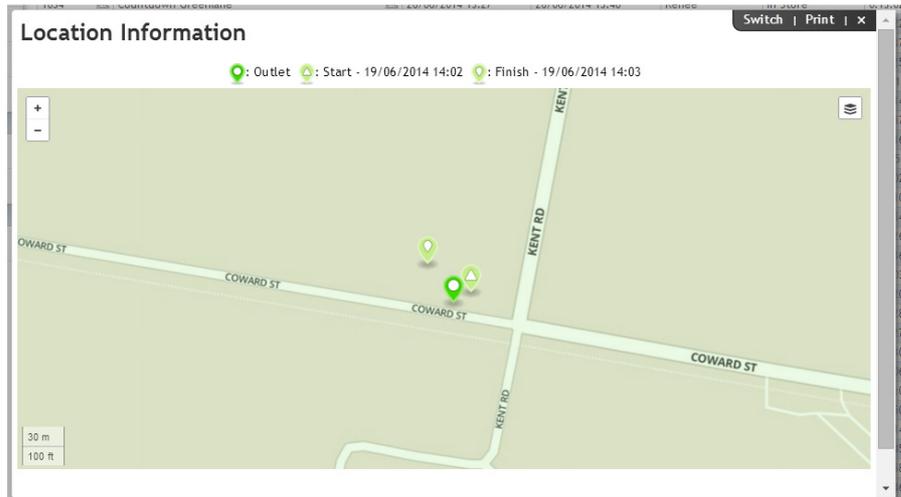
Grey Indicator

The outlet does not have a geocode, the GPS was not active on the device or the coordinates could not register at the time.

Time in Store Location Detail

Select **Dig** on a store compliance to show map detail.

The green dot indicates the store while the green arrows show the start and end visit locations.



Select the **Outlet**, **Start** or **Finish** from the title bar to move the map to that location.

 : Outlet  : Start - 19/06/2014 14:02  : Finish - 19/06/2014 14:03

Location Compliance

The **Location Compliance** report is available under the **Activity** tab.

The Location Compliance report is available only to **Administrator** and **Executive** logins.

Showing 5 result(s) between 01/03/2014 and 31/03/2014 (This Month)
No Filters Applied.

Device Login	Total Outlet Visits	Lines Not Audited	Not Compliant	Compliant	Compliance
CabeDemo	6	0	2	0	0%
Dnmo	4	0	4	0	0%
Renee	20	0	12	8	40.0%
Rod	5	0	5	0	0%
Scott	2	0	2	0	0%
All	37	0	25	8	24.2%

Device Login Total Outlet Visits Lines Not Audited Not Compliant Compliant Compliance

This report shows each device Login (field user), the total number of visits completed and totals of compliant and noncompliant visits. The compliance percentage is graphed in the right hand column.