MobileCrumbs – App Functionality for Android Devices
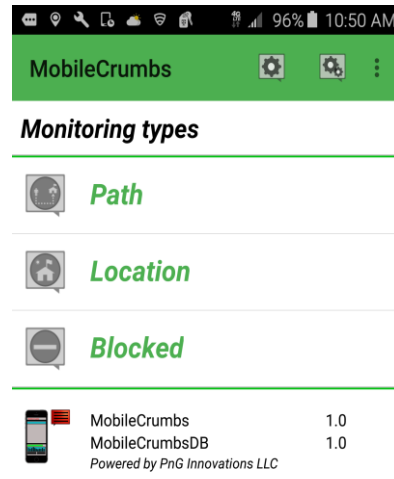
MobileCrumbs

Monitoring Types

On the MobileCrumbs main screen, **Monitoring Types**, there are three options to choose from: **Path, Location, and Blocked**.

The **Path** monitoring type provides the ability to create a configuration to send to another mobile phone, so a person's path can be tracked during a specified day and time.

The **Location** monitoring type provides the ability to create a configuration to send to another mobile phone, so a person's location can be tracked during a specified day and time. If the person leaves the location, it will send an alert and provide details of where the person is located via the report map.

The **Blocked** monitoring type provides the ability to create a configuration to block another MobileCrumbs app, so a person is unable to track a path or location of the person initiating the block. Also, the person initiating the block, will be unable to track the blocked number. Please note, this will not prevent any text messages or phone calls to be sent or received from the device. This only blocks the number from the use of the MobileCrumbs app.
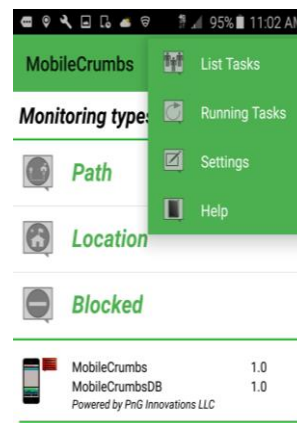
Options Menu (Main Screen)

The menu item **Options** provides navigation to other operations and activities for the application.

List Tasks: The menu item **List Tasks** provides a list of all the Path and Location configurations setup on the device or sent from another device.

Running Tasks: The menu item **Running Tasks** displays all of the currently running or queued tasks.

Settings: The menu item **Settings** displays a screen for configuring the MobileCrumbs app.

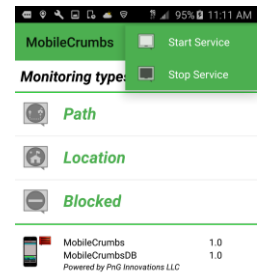Help: The menu item **Help** provides help on the launch activity.

Service Menu

The menu item **Service** provides a way to start and stop the monitoring service for the MobileCrumbs application.

Start Service: The menu item **Start Service** will start the applications monitoring service. This must always be started for the application to work.
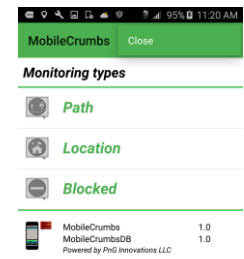
Stop Service: The menu item **Stop Service** will stop the application from any monitoring. This should never be stopped unless you want to reset the application.

Note: Please do not turn off the notification for this application because the MobileCrumbs service will display a notification that the service is running even when the application is closed and it allows you to see texts when other MobileCrumbs texts are being sent.

Close Menu

The menu item **Close** closes the application.

Path and Location Monitoring

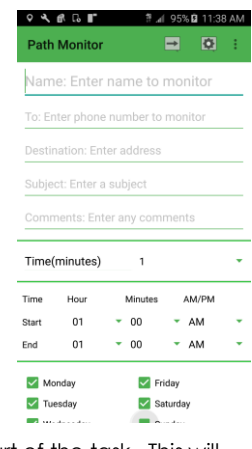Both the **Path** and **Location** monitoring types have the following:

Name: Enter a name for the task that is specific to what you would like to monitor.

To: Enter the recipient's phone number that will be monitored by this device (you may pull from your contacts as well).

Destination: For type **Path**, enter the destination that will be used to monitor a person's path travelled during the day and time selected. For type **Location**, enter the address of where you expect a person to be during the day and time selected.

Subject: Enter a subject for the task. This will be sent with the reply from recipient.

Comments: Enter any comments that you would like to be part of the task. This will be part of the body sent with the reply from recipient.

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Time (minutes): Enter the frequency you would like to be notified in minutes during the monitoring activity.

Start: Enter the time the monitoring will start.

End: Enter the time the monitoring will end.

Days of Week: Select the days you would like to monitor or all for every day. If all are unchecked, this will run one on demand job during the specified start and end times.

Display Destination: This is useful to confirm you have the correct destination entered. The location is displayed on a map view.

Note: For options on saving, sending, starting, deleting configurations, please see *Task Menu (Path and Location Screens)* section of this document.

Task Menu (Path and Location Screens)

Menu item for the Path and Location monitor type options. This is listed under each monitoring type screen.

Save Task: The menu item **Save Task** will save the task entry created or updated.

Send Task: The menu item **Send Task** will send the task entry to the recipient's phone.

Start Task: The menu item **Start Task** will start the task that was selected on the main screen.

Stop Task: The menu item **Stop Task** will stop the current task entry from running.

Remote Start: The menu item **Remote Start** will send the task entry and start the task on the recipient's phone.

Remote Stop: The menu item **Remote Stop** will send the task entry and stop the task on the recipient's phone.

Delete Task: The menu item **Delete Task** will delete the task that was selected on the main screen. It will delete on the local phone as well as the recipient's phone. If a recipient deletes the task, it will delete from there phone and send a message to the sender's phone that recipient has deleted the task. It will then convert the stored task on the sender's phone to a local one, meaning it will only run locally and not shared with the recipient any longer.

Options Menu (Path and Location Screens)

The menu item **Options** provides other operations and activities for the **Path** and **Location** monitor type options. This is listed under each monitoring type screen.

Running Tasks: The menu item **Running Tasks** displays all of the currently running or queued tasks.

Reports: The menu item **Reports** will display details about current tasks that have already run or are currently running. You must select an entry on the main screen before selecting reports option.

Remote Status: The menu item **Remote Status** will request the status about a current task on a remote client. A text will be sent to the client and a reply will have the status of the selected task.

Help: The menu item **Help** provides help on how to create a task.

Close Menu (Path and Location Screens)

The menu item **Close** provides the ability close the application.

Blocked

Name: Enter a name specific to what you would like to block.

To: Enter the recipient's phone number that will be blocked by this device (you may pull from your contacts as well).

Once completed, click on the Save Task option under the Task Menu. The blocked configuration will then be displayed under the **Blocked** section of the screen.

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Task Menu (Blocked Screens)

Menu item for **Blocked** type options. This is listed under each monitoring type screen.
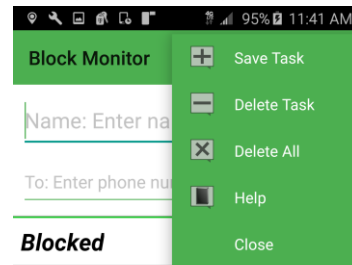
Save Task: The menu item **Save Task** will save the task entry created or updated.

Delete Task: The menu item **Delete Task** will delete the specific configuration that was setup as a block. This will enable the specific phone number the ability to send or receive **Path** or **Location** task activities.

Delete All: The menu item **Delete All** will delete all the blocked tasks setup within the application. This will enable the specific phone numbers the ability to send or receive **Path** or **Location** task activities.

Help: The menu item **Help** provides help on the Blocked monitor type.

Close: This closes the Blocked screen.

List Tasks

Lists all the **Path** and **Location** tasks that are saved in the path and location activities. The view displays all of the data in one listing, including the different types: local, remote or shared. The types are defined as follows:

Local: Runs specifically on sender device only.

Remote: Runs on a recipient's device. You can track the **Path** and **Location** of recipient.

Shared: Runs on sender device. Recipient device can track the **Path** and **Location** of sender device.
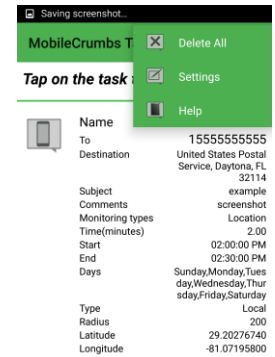
List Tasks Options Menu

Delete All: The menu item **Delete All** will delete all of the tasks. It will delete on the local phone as well as the recipient's phone. If a recipient deletes all of the tasks, it will delete from their phone and send a message to the sender's phone that recipient has deleted the task. It will then convert the stored task on the sender's phone to a local task, meaning it will only run locally and not shared with the recipient any longer.

Settings: The menu item **Settings** displays a screen for configuring the MobileCrumbs app.

Help: The menu item **Help** provides help on the **List Tasks** activity.

Running Tasks

Graphical representation of the state of the job, waiting to be executed or running.

Name: The job name.

Status: Current status of the job running. The job can be queued up until the task run time starts the execution of the task or the task can be currently running.

Task Number: The identification number for the task.

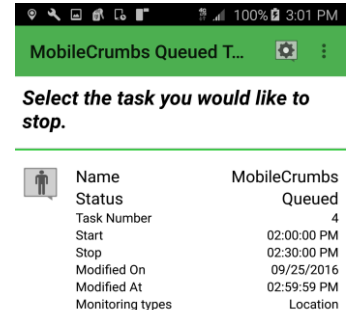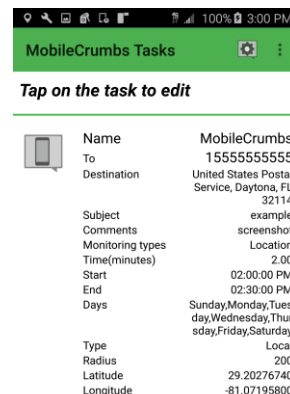Start: The start time for the running state of the task set by the user.

Stop: The stop time for the running state of the task set by the user.

Modified On: The date the task was modified.

Modified At: The time the task was modified.

Monitor: Type being monitored, **Path** or **Location**.

Stop Queued Tasks: The **Stop Queued Tasks** menu item will remove all queued tasks from the scheduler. All running tasks will remain in execution.

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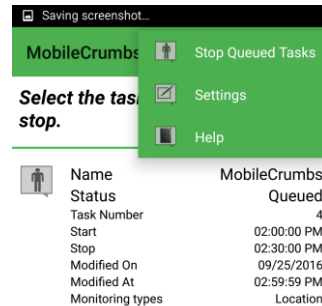# MobileCrumbs – App Functionality for Android Devices

Running Tasks Options Menu

Stop Queued Tasks: Removes the queued jobs from the job scheduler.

Settings: Settings: The menu item **Settings** displays a screen for configuring the MobileCrumbs app.

Help: The menu item **Help** provides help on the **Running Tasks** activity.

Settings

Tasks Saved: If **RESET** button is selected, this deletes all saved task entries for monitoring. In addition, all the running or queued tasks will be removed from the device and all reports will also be removed.

Task Reports: If **RESET** button is selected, this deletes all reports stored in phone.

Tasks Running: If **RESET** button is selected, this deletes all monitoring that is currently running or queued to be run.

Cache: If **CLEAR** button is selected, this clears memory (specific to MobileCrumbs app only).

Service restart task(s) in: The time to be used in setting the task to run after the MobileCrumbs service is restarted.
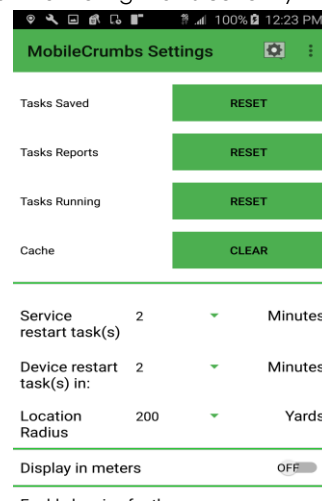
Device restart task(s) in: The time to be used in setting the task to run after the device is restarted.

Location Radius: Radius defined for location tracking. This is the perimeter of a location you can define as when to get notified if person is outside of this radius zone.

Display in meters: By selecting this option, the MobileCrumbs app will track speed and distance in metrics. By default, all units are displayed in British standard units.

Enable logging for the MobileCrumbs Application Service: By turning on this feature, it creates a log file of errors. This should only be enabled if there are application errors that need to be recorded. Otherwise, this should be turned off to conserve memory.

GPS/Networking Location Manager: By selecting this option, MobileCrumbs will open the devices GPS settings activity for enabling and disabling the GPS on the device.
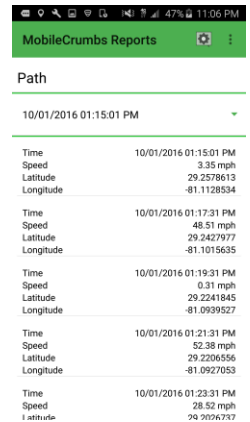
This must always be on to use this application (button will always be in green when GPS on the device is enabled).

Reports

Name: Name of the task selected.

Date: Select a date for which report you would like to view.

Items: A report of all the data points collected during monitoring period. If the item is selected, it will navigate to a map representation of the GPS data.
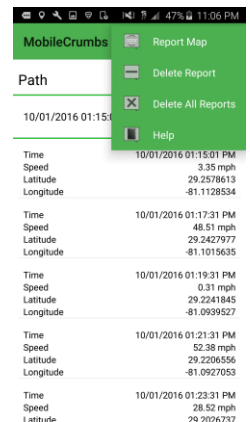
Reports Options Menu

Report Map: Maps all data points collected of the running job that was selected.

Delete Report: Deletes the specific report item that was selected.

Delete All Reports: Deletes all the reports for the task listed.

Help: The menu item **Help** provides help on the **Reports** activity.
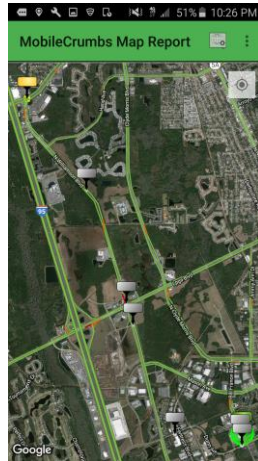
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Report Map Activity

Report Map Activity: A graphical representation of the report generated during the monitoring period.

Start Marker: The start marker ⬆ is the first marker recorded during a **Path** monitoring type.

Destination Marker: The destination marker ⬆ is the address entered.

Data Point Marker: For monitoring **Path** type, a grey marker ⬆ will be displayed in showing the path to the destination. For monitoring **Location** type, a red marker ⬆ will be displayed when the GPS point is outside of the defined location radius (defined under settings).

Report Map Options Menu

Map Settings: ⬚ **Map settings** menu item allows the user to select between **Satellite** and **Terrain** view.

Satellite: Satellite setting set for the map.

Terrain: Terrain setting set for the map.

Help: The menu item **Help** provides help on the **Reports** activity.

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