

7. Setting up the mSupply Mobile app dashboard

The mSupply Mobile app has the capability to display store specific information as a dashboard to be viewed on the mobile device. There is also a function to view data for other stores anonymised.



The Mobile app dashboard is completely different to the [mSupply Grafana web dashboard](#) and is configured in a different manner.

Mobile dashboards are built on the idea of reusing the same report sets as the [legacy \(non-grafana\) mSupply web dashboards](#). A lot of the legacy web dashboards can be used as mobile dashboards.



If you set a report as mobile dashboard report then it loses its ability to be generated to the [legacy \(non-grafana\) mSupply web dashboards](#) and vice versa.

Mobile specific dashboard configuration

Dashboard reports are configured on the mSupply central server, refer [Dashboard set up](#).

This section describes the *additional* configuration of reports on the mSupply central server to make dashboard reports show on mSupply Mobile. The mSupply central server generates reports on a schedule, and those reports that have been correctly configured for Mobile dashboards will be generated for mobile sites. These reports will be synced to mobile store tablets when they connect to the central server.



Once a report is configured to be sent to mSupply Mobile sites, it will be sent to every mSupply Mobile site that has the Dashboard store preference turned on. Remember reports configured to be sent to mSupply Mobile sites will **NOT** be sent to the [legacy \(non-grafana\) mSupply web dashboards](#).

Dashboard reports need the following properties added to them in order for them to show in the mSupply mobile stores.

Property	Values	Description
<i>isMobile</i>	True or False	This is the important one! Enable or disable sending this report to your mobile sites
<i>reportType</i>	Table, BarChart, LineChart or PieChart	The report display type. When the <i>reportType</i> parameter is not set the data displays as a Table by default. This parameter is mobile specific.
<i>#[report property]</i>	[field on store table]	This allows you to pick a value from the store table , which is therefore store specific, and assign the value to the report property. In this way you can create a report which is customised to each store. The report property must exist in your report for this to work. See report options for available reports and properties. See example below



- Existing reports can be used and the above properties currently configured are used to generate the information.
- When *isMobile* is set, then no [legacy \(non-grafana\) mSupply web dashboard](#) report is generated for that report. It is only generated for mobile. However the grafana web dashboard is unaffected, this runs separately.



- The mobile dashboard data - in particular the *mobileReportType* and the store specific data - are only sent to mobile stores (that have the Dashboard store preference turned on).
- All remaining parameters are optional and dependent on the report method. The report method determines which parameters are available / required. These remaining 'report specific' parameters must be passed to the report method exactly as it expects, using the correct parameters names.

Internal code logic description

- Introduces new table **dashboard_store_report**
- The code checks for **isMobile** parameter, if present it will look for parameters with # prefix
- The code goes through each mobile site's store record, it will specifically look for the fields represented by # prefixed parameter's value
- The code will then take the value of the store field
 - eg.
 - if #store_name = "name"
 - then we look for [store]name of each mobile site's store
 - If [store]name = "ABC" we insert store_name = "ABC" in the dashboard method
 - Repeat for next store
- A unique report is generated for the store specific dashboard
- We store this report data in **dashboard_report** table in the database, since that's how the legacy web dashboard does it
- When the report has been stored in the database, we take that value and create the store specific record with the data in **dashboard_store_report**. Then we go off to the next store's report generation
- If there are 17 mobile stores, there will be 17 records for each mobile dashboard report with each record representing each store's dashboard data
- Only the store specific record from **dashboard_store_report** will be synced to the particular store. So each store will get only the reports made for it
- Format of data is exactly same as Web dashboard data. With either the other stores' data anonymised or data being filtered for the mobile store. This depends on the dashboard method.

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