

# SOASTA 54 (mPulse 7562.13)

Nov 14, 2014

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## Features

**mPulse™ 54** introduces the ability to utilize multiple **DataStores** (each running a PostgreSQL database) on a separate instance from the instance that runs the **DataService**. mPulse elasticity at the data layer gives us two important capabilities:

1. More space to store all of the aggregates of the beacons we're collecting. As each DataStore fills up, we can split it n ways (at runtime), then we only need to keep 1/n the data in each DataStore.
2. mPulse is already sharding data by day and domain, and now each customer's data will be striped across all the available DataStores. This dramatically improves large queries' performance. On the replica environment we tested on before deploying this version, loading a dashboard for the last 30 days (1.5 Billion beacons) went from 4 minutes (production, running 53 with 1 DataStore) to 15 seconds (replica, running 54 with 4 DataStores).

## Bugs Fixed

This release also includes the following **bug fixes**:

- 85703: Change tenants shows login screen sometimes
- 85536: Email filter criteria doesn't work in mPulse 53
- 85066: Drop down text garbled (at the widget level filter bar)
- 84854: Uncaught TypeError: Cannot read property 'customMetricsFilteredByDate' of null; JS line 93
- 84657: CSV Export - Performance v. Volume Widget Format Incorrect
- 81987: Some email alerts are sent without images
- 85748: Object expected