

Release Note

Samsung Privileged Health SDK | Tracking Service

Release Date

March 31, 2022

Release Version

Tracking Service v1.1.0

SDK Content

Folder structure	Content description
/docs	Guide and API Reference
/libs	SDK's tracking library. Import it in your app project. <ul style="list-style-type: none">- priv-health-tracking.aar
/sample-code	App project including sample codes. It's project name is: <ul style="list-style-type: none">- TrackingSampleApp

Features

Samsung Privileged Health SDK's tracking APIs enable a partner app to set an event to track a specific data and to retrieve a collected data until ending the data tracking.

Capabilities

It gives available tracking types for the watch.

Tracking Watch's Sensor Data

A partner app can track Galaxy Watch's health related data with the SDK. Supported tracking types are:

[Batching]

- Accelerometer
- Heart rate including IBI (Inter-beat Interval)
- PPG Green

[On-demand]

- BIA
- ECG
- PPG IR
- PPG Red
- SpO2 (oxygen saturation)
- Sweat loss

Developer Mode

A developer mode for testing or debugging app is supported.

Restrictions

- Samsung Privileged Health SDK's tracking APIs work on the following watch devices or above running Wear OS Powered by Samsung.
 - Galaxy Watch4
 - Galaxy Watch4 Classic
- The SDK doesn't support an emulator.
- Measured data by Samsung Privileged Health SDK is for fitness and wellness only, not for the diagnosis or treatment of any medical condition.

Changes

1.1.0 - March 31, 2022

- Minor updates in the SDK library for stable operations.

1.1.0 Alpha - March 17, 2022

[New]

- SpO2 tracker type was added. It works with Health Platform v1.3.0.
 - `HealthTrackerType.SPO2`
 - `ValueKey.Spo2Set`
- `ValueKey.HeartRateSet.STATUS` was added instead of `ValueKey.HeartRateSet.FLAG`.

[Change]

- The TrackingSampleApp code was updated.

[Deprecated]

- `ValueKey.HeartRateSet.FLAG` was deprecated.

1.0.0 - Feb 25, 2022

- `SweatLossSet.STATUS`'s value was updated. See API Reference for more information.

1.0.0 beta1 - Dec 31, 2021

- Making the sweat loss feature stable with fixing minor issues.

1.0.0 alpha3 - Dec 17, 2021**[New]**

- A new tracker type, `SWEAT_LOSS` was added to measure how much sweat is loss after a running. The following class, enums, and APIs were added:
 - `DataType`
 - `ExerciseState`
 - `Exercise Type`
 - `HealthTrackerType.SWEAT_LOSS`
 - `HealthTrackingService.getHealthTracker(HealthTrackerType healthTrackerType, TrackerUserProfile userProfile, ExerciseType type)`
 - `ValueKey.SweatLossSet`

[Known Issue]

- The following issues will be solved in the next watch software update in February 2022.
 - A timestamp period variation issue in received sensor data for `ACCELEROMETER`, `HEART_RATE`, and `PPG_GREEN`.

- HealthTracker.TrackerEventListener.onFlushCompleted() is not received.

1.0.0 alpha2 - July 28, 2021

[Change]

- It applied a partner app's SDK policy. Only a registered scope for tracking types work properly.
If SDK_POLICY_ERROR occurs, ask to your contact point in Samsung.
- Tracking data set's detailed info was added.
 - BIA status was defined Check the API reference and guide the user with a proper UI or a message.
ValueKey.BiaSet.STATUS
 - ECG's lead on/off values were defined.
ValueKey.EcgSet.LEAD_OFF
 - Heart rate's flag info was added.
ValueKey.HeartRateSet.FLAG
- In HealthTracker.TrackerError:
 - Unused errors have been deleted.
 - LOW_SIGNAL
 - MOVEMENT_DETECTED
 - NOT_WEARING
 - TIME_OUT
 - A new error was added.
 - SDK_POLICY_ERROR
- Measurement guide of each sensor data was added.
See Programing Guide.