Article

Location Sessions

Review how your app uses Core Location APIs.

Overview

The data in this report shows the location usage histogram of apps. The information is made up of multiple dimensions including the daily total of location sessions, counts of delivered locations, durations of the location requests, the desired accuracy the app specified in CoreLocation API, and the achieved accuracy of the delivered locations.

- Territories: Worldwide
- Platforms: iOS, iPadOS. For more information about iOS and iPadOS, see the Platforms section in Data Completeness and Corrections.
- Availability:
  - Daily: Every day.
- History: On request, data is available beginning with iOS 17.4 and iPadOS 17.4.
- Completeness: Data from devices that contribute to this report can arrive as late as 8 days after the date it generates on device. You can download recent data daily, but it might be incomplete, and data updates incrementally daily, until all late-arriving events are available.
- Privacy:
  - Includes data from users who have opted to share their data with Apple and developers.
  - Individual rows will only appear if they have a value of 5 or more.
- Data Context: You can analyze your data with additional context by comparing it with the data in the App Sessions Context report, which provides a count of unique devices that use your app on a specific day. For example, if your app performed an action detailed in this report on 10 unique devices on a specific day, and the App Sessions Context report shows there were 100

unique devices running your app that day, then you can approximate that 10% of the devices running your app performed that action.

Report Fields

Report Field	Description	Data Type
Count	Number of times the event occurred	`integer`
Territory	Country or region in which the event occurred	`string`
Date	Date when the event occurred	`string`
Platform	OS version on the device on which the event occurred	`string`
Device	Type of device on which the event occurred	`string`
Build	Build of device on which event occurred	`string`
Unique Devices	The count of unique devices	`integer`
Release Type	Type of software release	`string`
Pauses Location Updates Automatically	The flag describing whether a session allows automatic pausing	`boolean`
Duration	The duration of the location session in seconds	`float`
Desired Accuracy	The desired accuracy that the app requests	`float`
Delivered Locations	The count of locations delivered to the app during the location session	`integer`
Session Count	The number of location sessions	`integer`
Achieved Accuracy	The location accuracy achieved by the location session	`float`

Glossary

Dimension	Value	Definition
Desired Accuracy	0	Represents range from -Infinity to -3
Desired Accuracy	1	Represents range from -3 to -2
Desired Accuracy	2	Represents range from -2 to -1
Desired Accuracy	3	Represents range from -1 to 0
Desired Accuracy	4	Represents range from 0 to 1
Desired Accuracy	5	Represents range from 1 to 2
Desired Accuracy	6	Represents range from 2 to 3
Desired Accuracy	7	Represents range from 3 to 4
Desired Accuracy	8	Represents range from 4 to 5
Desired Accuracy	9	Represents range from 5 to 6
Desired Accuracy	10	Represents range from 6 to 7
Desired Accuracy	11	Represents range from 7 to 8
Desired Accuracy	12	Represents range from 8 to 9
Desired Accuracy	13	Represents range from 9 to 10
Desired Accuracy	14	Represents range from 10 to 11
Desired Accuracy	15	Represents range from 11 to 12
Desired Accuracy	16	Represents range from 12 to 13
Desired Accuracy	17	Represents range from 13 to 14
Desired Accuracy	18	Represents range from 14 to 15
Desired Accuracy	19	Represents range from 15 to 16
Desired Accuracy	20	Represents range from 16 to 17
Desired Accuracy	21	Represents range from 17 to 18

Dimension	Value	Definition
Desired Accuracy	22	Represents range from 18 to 19
Desired Accuracy	23	Represents range from 19 to 20
Desired Accuracy	24	Represents range from 20 to 21
Desired Accuracy	25	Represents range from 21 to 22
Desired Accuracy	26	Represents range from 22 to 23
Desired Accuracy	27	Represents range from 23 to 24
Desired Accuracy	28	Represents range from 24 to 25
Desired Accuracy	29	Represents range from 25 to 26
Desired Accuracy	30	Represents range from 26 to 27
Desired Accuracy	31	Represents range from 27 to 28
Desired Accuracy	32	Represents range from 28 to 29
Desired Accuracy	33	Represents range from 29 to 30
Desired Accuracy	34	Represents range from 30 to 31
Desired Accuracy	35	Represents range from 31 to 32
Desired Accuracy	36	Represents range from 32 to 33
Desired Accuracy	37	Represents range from 33 to 34
Desired Accuracy	38	Represents range from 34 to 35
Desired Accuracy	39	Represents range from 35 to 36
Desired Accuracy	40	Represents range from 36 to 37
Desired Accuracy	41	Represents range from 37 to 100
Desired Accuracy	42	Represents range from 100 to 200
Desired Accuracy	43	Represents range from 200 to 1000

Dimension	Value	Definition
Desired Accuracy	44	Represents range from 1000 to 3000
Desired Accuracy	45	Represents range from 3000 to 638000
Desired Accuracy	46	Represents range from 638000 to 2147483644
Desired Accuracy	47	Represents range from 2147483644 to 2147483645
Desired Accuracy	48	Represents range from 2147483645 to 2147483646
Desired Accuracy	49	Represents range from 2147483646 to 2147483647
Desired Accuracy	50	Represents range from 2147483647 to +Infinity
Achieved Accuracy	0	Represents range from -Infinity to 0
Achieved Accuracy	1	Represents range from 0 to 1
Achieved Accuracy	2	Represents range from 1 to 2
Achieved Accuracy	3	Represents range from 2 to 3
Achieved Accuracy	4	Represents range from 3 to 4
Achieved Accuracy	5	Represents range from 4 to 5
Achieved Accuracy	6	Represents range from 5 to 6
Achieved Accuracy	7	Represents range from 6 to 7
Achieved Accuracy	8	Represents range from 7 to 8
Achieved Accuracy	9	Represents range from 8 to 9
Achieved Accuracy	10	Represents range from 9 to 10
Achieved Accuracy	11	Represents range from 10 to 11
Achieved Accuracy	12	Represents range from 11 to 12
Achieved Accuracy	13	Represents range from 12 to 13
Achieved Accuracy	14	Represents range from 13 to 14

Dimension	Value	Definition
Achieved Accuracy	15	Represents range from 14 to 15
Achieved Accuracy	16	Represents range from 15 to 16
Achieved Accuracy	17	Represents range from 16 to 17
Achieved Accuracy	18	Represents range from 17 to 18
Achieved Accuracy	19	Represents range from 18 to 19
Achieved Accuracy	20	Represents range from 19 to 20
Achieved Accuracy	21	Represents range from 20 to 21
Achieved Accuracy	22	Represents range from 21 to 22
Achieved Accuracy	23	Represents range from 22 to 23
Achieved Accuracy	24	Represents range from 23 to 24
Achieved Accuracy	25	Represents range from 24 to 25
Achieved Accuracy	26	Represents range from 25 to 26
Achieved Accuracy	27	Represents range from 26 to 27
Achieved Accuracy	28	Represents range from 27 to 28
Achieved Accuracy	29	Represents range from 28 to 29
Achieved Accuracy	30	Represents range from 29 to 30
Achieved Accuracy	31	Represents range from 30 to 31
Achieved Accuracy	32	Represents range from 31 to 32
Achieved Accuracy	33	Represents range from 32 to 33
Achieved Accuracy	34	Represents range from 33 to 34
Achieved Accuracy	35	Represents range from 34 to 35
Achieved Accuracy	36	Represents range from 35 to 36

Dimension	Value	Definition
Achieved Accuracy	37	Represents range from 36 to 37
Achieved Accuracy	38	Represents range from 37 to 100
Achieved Accuracy	39	Represents range from 100 to 200
Achieved Accuracy	40	Represents range from 200 to 300
Achieved Accuracy	41	Represents range from 300 to 500
Achieved Accuracy	42	Represents range from 500 to 700
Achieved Accuracy	43	Represents range from 700 to 1000
Achieved Accuracy	44	Represents range from 1000 to 3000
Achieved Accuracy	45	Represents range from 3000 to 638000
Achieved Accuracy	46	Represents range from 638000 to 2147483644
Achieved Accuracy	47	Represents range from 2147483644 to 2147483645
Achieved Accuracy	48	Represents range from 2147483645 to 2147483646
Achieved Accuracy	49	Represents range from 2147483646 to 2147483647
Achieved Accuracy	50	Represents range from 2147483647 to +Infinity

See Also

Framework Usage

- AccessorySetupKit Accessory Picker Sessions
  Analyze how many people use your app to set up accessories by using AccessorySetupKit.
- AccessorySetupKit Usage
  Analyze how often your app uses AccessorySetupKit.
- AirPlay Discovery Sessions
  Review information about AirPlay discovery sessions.

Animoji Stickers Sent

Analyze how many times people use Memoji stickers in your app.

App Added to Focus

Review information about your app's relationship to Focus modes.

App Disk Space Usage

Analyze your app's disk space use.

App Runtime Usage

Analyze how often your app executes specific symbols of different dynamic libraries.

App Sessions Context

Analyze how many people use your app and for how long.

Application Preferred Language Settings

Review how people use language preference settings in your app.

ARKit ARSession Duration

Review information about ARKit ARSession duration.

ARKit ARSession Failures

Analyze details about ARKit ARSession failures.

ARKit Capture Frame Rate Throttling

Analyze how long it takes for ARKit to throttle the camera frame rate.

ARKit Collaborative Session Features

Review how your app uses ARKit collaborative session features.

ARKit Face Tracking

Analyze how often your app uses ARKit face tracking.

ARKit Video Formats

Review information about ARKit video formats and high-resolution frames.