Article

Networking Connection Activity

Review how your app uses network connections.

Overview

The data in this report contains information about your application's use of network connections. This includes bytes sent and received, and duration of connections.

- 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`
Completion Reason	Network connection completion reason	`string`
Download Bytes Bins	Number of bytes, in bins, downloaded during the network connection	`string`
Duration In Seconds Bins	Duration in seconds of the network connection	`string`
Error	Errors during the network connection	`string`
Is Background	Whether the app making the request is in the background when making the network connection call	`boolean`
Upload Bytes Bins	Number of bytes, in bins, uploaded during the network connection	`string`

Glossary

Dimension	Value	Definition
Completion Reason	Success	Successful completion

Dimension	Value	Definition
Completion Reason	Failure	Failure
Completion Reason	Cancelled	Cancelled
Completion Reason	None	Unknown
Download Bytes Bins	<=0	0 bytes
Download Bytes Bins	]0,1000]	Less than 1KB
Download Bytes Bins	]1000,10000]	1KB to 10KB
Download Bytes Bins	]10000,100000]	10KB to 100KB
Download Bytes Bins	]100000,1000000]	100KB to 1MB
Download Bytes Bins	]1000000,3000000]	1MB to 3MB
Download Bytes Bins	]3000000,5000000]	3MB to 5MB
Download Bytes Bins	]5000000,10000000]	5MB to 10MB
Download Bytes Bins	>10000000	Greater than 10MB
Duration In Seconds Bins	<=0	Few ms
Duration In Seconds Bins	]0,0.5]	Less than 500ms
Duration In Seconds Bins	]0.5,1]	500ms to 1 second
Duration In Seconds Bins	]1,1.5]	1 to 1.5 seconds
Duration In Seconds Bins	]1.5,2]	1.5 to 2 seconds
Duration In Seconds Bins	]2,2.5]	2 to 2.5 seconds
Duration In Seconds Bins	]2.5,3]	2.5 to 3 seconds
Duration In Seconds Bins	]3,3.5]	3 to 3.5 seconds
Duration In Seconds Bins	]3.5,4]	3.5 to 4 seconds
Duration In Seconds Bins	]4,4.5]	4 to 4.5 seconds

Dimension	Value	Definition
Duration In Seconds Bins	]4.5,5]	4.5 to 5 seconds
Duration In Seconds Bins	]5,5.5]	5 to 5.5 seconds
Duration In Seconds Bins	]5.5,6]	5.5 to 6 seconds
Duration In Seconds Bins	]6,6.5]	6 to 6.5 seconds
Duration In Seconds Bins	]6.5,7]	6.5 to 7 seconds
Duration In Seconds Bins	]7,7.5]	7 to 7.5 seconds
Duration In Seconds Bins	]7.5,8]	7.5 to 8 seconds
Duration In Seconds Bins	]8,8.5]	8 to 8.5 seconds
Duration In Seconds Bins	]8.5,9]	8.5 to 9 seconds
Duration In Seconds Bins	]9,9.5]	9 to 9.5 seconds
Duration In Seconds Bins	]9.5,10]	9.5 to 10 seconds
Duration In Seconds Bins	]10,11]	10 to 11 seconds
Duration In Seconds Bins	]11,12]	11 to 12 seconds
Duration In Seconds Bins	]12,13]	12 to 13 seconds
Duration In Seconds Bins	]13,14]	13 to 14 seconds
Duration In Seconds Bins	]14,15]	14 to 15 seconds
Duration In Seconds Bins	]15,16]	15 to 16 seconds
Duration In Seconds Bins	]16,17]	16 to 17 seconds
Duration In Seconds Bins	]17,19]	17 to 19 seconds
Duration In Seconds Bins	]19,21]	19 to 21 seconds
Duration In Seconds Bins	]21,23]	21 to 23 seconds
Duration In Seconds Bins	]23,25]	23 to 25 seconds

Dimension	Value	Definition
Duration In Seconds Bins	]25,30]	25 to 30 seconds
Duration In Seconds Bins	]30,35]	30 to 35 seconds
Duration In Seconds Bins	]35,40]	35 to 40 seconds
Duration In Seconds Bins	]40,45]	40 to 45 seconds
Duration In Seconds Bins	]45,50]	45 to 50 seconds
Duration In Seconds Bins	]50,60]	50 to 60 seconds
Duration In Seconds Bins	]60,120]	60 to 120 seconds
Duration In Seconds Bins	]120,240]	120 to 240 seconds
Duration In Seconds Bins	]240,300]	240 to 300 seconds
Duration In Seconds Bins	]300,600]	300 to 600 seconds
Duration In Seconds Bins	]600,1800]	600 to 1800 seconds
Duration In Seconds Bins	>1800	greater than 1800 seconds
Error	0	No error
Error	-1001	CFURL Error timeout
Error	Others	Refer to CFNetworkErrors
Upload Bytes Bins	<=0	0 bytes
Upload Bytes Bins	]0,1000]	Less than 1KB
Upload Bytes Bins	]1000,10000]	1KB to 10KB
Upload Bytes Bins	]10000,100000]	10KB to 100KB
Upload Bytes Bins	]100000,1000000]	100KB to 1MB
Upload Bytes Bins	]1000000,3000000]	1MB to 3MB
Upload Bytes Bins	]3000000,5000000]	3MB to 5MB

Dimension	Value	Definition
Upload Bytes Bins	]5000000,10000000]	5MB to 10MB
Upload Bytes Bins	>10000000	Greater than 10MB

See Also

Performance

📄 **AirPlay Errors**

Analyze AirPlay errors in your apps.

📄 **AirPlay Performance**

Review AirPlay performance in your apps.

📄 **App Crashes Expanded**

Analyze the rate at which your app crashes.

📄 **App Installs Performance**

Analyze details about installation success and failure rates for your apps.

📄 **App Storage Reads and Writes**

Analyze how often your app uses disk reads and writes.

📄 **Audio Overloads**

Analyze how many audio glitches people experience in your app.

📄 **Bluetooth LE Session Duration**

Analyze how long your app uses Bluetooth Low Energy (LE) connections.

📄 **Bluetooth System Wakes**

Analyze details about bluetooth system wakes that your app causes.

📄 **CAMetalLayer Performance**

Review CAMetalLayer metadata and performance in your app.

📄 **Custom Language Model Builds Failed**

Analyze how often your app-triggered rebuild of a custom language model failed.

📄 **Display Power Information**

Review your app's impact on display pixel attributes.

📄 HTTP Live Streaming Playback Errors

Analyze playback errors that your app receives.

📄 Launch Image Over Memory Limit

Analyze how often your app fails to load because it's over the memory limit.

📄 Spotlight Query Performance

Review how your app uses Spotlight queries.

📄 Streaming Downloads Performance

Review download performance when using the AVAssetDownloadTask APIs in your apps.