

Zebra

Developers

Build Your Edge



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DEVICES BUILT BY US APPS BUILT BY YOU

BUILD ON THE PLATFORMS YOU KNOW ON DEVICES PURPOSE-BUILT FOR THE ENTERPRISE

Enterprise software development needs to be specialized; but developers need control and flexibility to customize solutions. As an Enterprise Developer, Zebra has your technical needs covered!



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ZEBRA DEVELOPER PORTAL

<http://developer.zebra.com>



The Next DevTalk....

HD4000 Software Development Overview
Wednesday June 17 at 10:00 am CDT

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Zebra Data Services Mobile Computer Device Health APIs

Agenda

- What is the Mobile Computer Device Health Product
- How to access it
- Details of each API
- Demo

Mobile Computer Device Health

- Create or integrate with your own custom device dashboards
- Find state of fleet and individual devices
- Historical, Not real-time
- Records may already be sent to Zebra
- Includes 25 method endpoints grouped into 11 APIs
 - Raw historical records
 - Aggregation
 - Analytics

How to get Access

- Contact your Zebra Account Manager or Partner Manager
 - We will set up your devices
 - discuss trial/contract
-
- Account Managers can contact Enterprise Software Product Team

Mobile Computer Device Health



**Gain New Device
Operational Visibility
for More Effective
Management**

Effective utilization of Zebra® Android® mobile computers enables organizations to boost overall productivity by maximizing device uptime and worker efficiency. Mobile Computer Device Health APIs make these outcomes possible by revealing key health and usage data for Zebra mobile computers such as:

- How well the devices are functioning
- Software issues that need to be resolved
- Hardware parts that need to be replaced, including the battery
- Operational workflow usage patterns and exception reporting

Armed with this knowledge, users can make better management, workflow and budgetary decisions that are pivotal to profitability.

Mobile Computer Device Health APIs in Action

The Mobile Computer Device Health API suite helps different user groups do their jobs better. For example:

- An independent software vendor can incorporate key operating criteria such as current battery level and remaining battery life into their line of business application.
- A Zebra mobile computer customer can develop an application that periodically collects software data such as Applications Not Responding (ANR) and status such as memory usage. Those data can enable the IT department to monitor worker productivity and help its software debugging efforts.
- An EMM solution provider can enrich its solutions without the need to build its own on-device agent or collect and store its own data.

Application Not Responding
Retrieve ANR data by individual device, device models or all devices to simplify troubleshooting and assist with debugging. Data also can identify ANR patterns.

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Application Usage
Access usage data for applications running on individual Zebra® mobile computers to gauge the impact on productivity and optimize application usage and investments.

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Battery Events
Provide access to all charging or discharging battery events on individual Zebra mobile computers over the past 24 hours. Also, identify battery usage patterns, debug batteries and detect battery-draining applications.

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Battery Health
Calculate the remaining useful life before battery failure by analyzing all battery data reported by the device. Improve worker productivity and help administrators predict when to replace batteries for accurate functioning.

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Battery Status
Pull battery level, voltage, capacity and other status level data from the previous 24 hours. Leverage the data to debug batteries, detect charging issues and analyze drain patterns.

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Device Baseline Analytics
Compares individual device and total device population metrics to detect outlier performance in several key data elements. Enable identification of problem devices or performance.

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Device Disruption
Provide quantity and time stamp of manual or system-initiated reboots of a mobile computer. Also, determine repair needs based on device crashes.

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Device Information
Reveal an individual Zebra mobile computer's basic information such as model, SDK version and serial number—valuable data for repair profiles. Provide a view of entire fleet information as well.

[View Details](#)

Device Location
Provides device location with confidence scoring by unifying multiple data sources, including cell tower ID and IP addresses. Identify last known device location.

[View Details](#)

Device Utilization
Retrieve historical range-based, aggregated or last-known record data outlining device utilization based on the time the display was turned on. Determine the productivity impact of devices and optimize their use.

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Installed Applications
Provide access to information on all installed applications including application names, packages, date installed and version numbers. Also aid compliance with device use policies.

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Demo

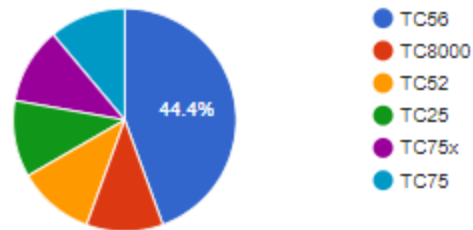
Mobile Computer Dashboard

Device Health Example

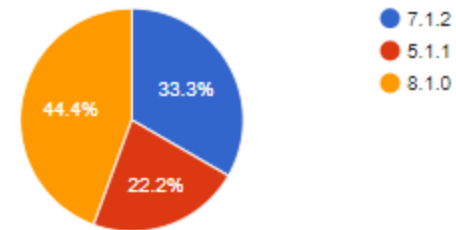
Count: 9 devices, 3 reported today.

[Go to Timeline](#)

Model Breakdown



OS Version Breakdown



#	Device	Model	Battery
1	18125522509108	TC56	Status
2	16167521400793	TC8000	Status
3	19233522506026	TC52	Status
4	17156522508655	TC56	Status



Questions?

<http://developer.zebra.com>

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