

# RUM – Mobile Applications

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Dynatrace Training Module



# Agenda

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- Mobile Applications
  - Overview
  - Analysis

# Mobile Applications

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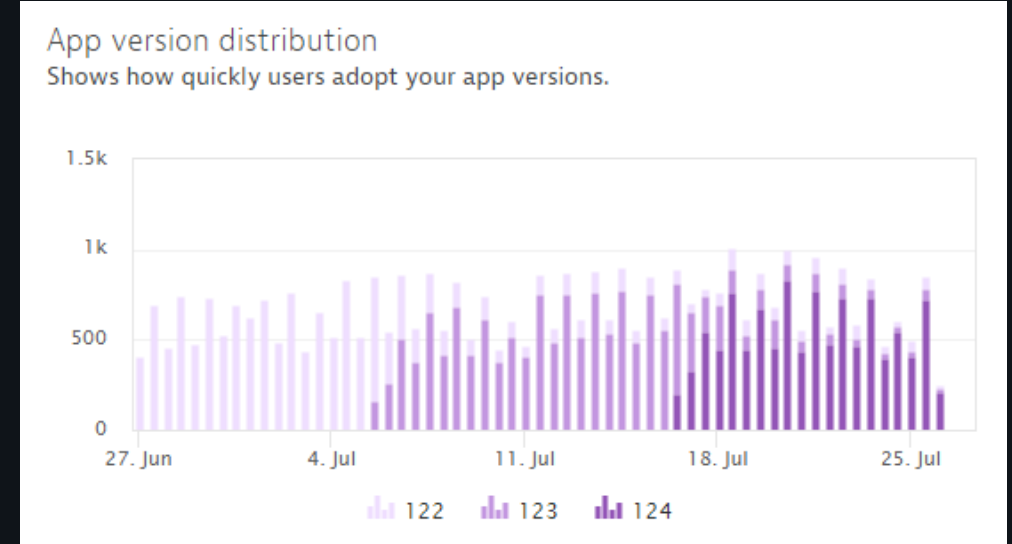
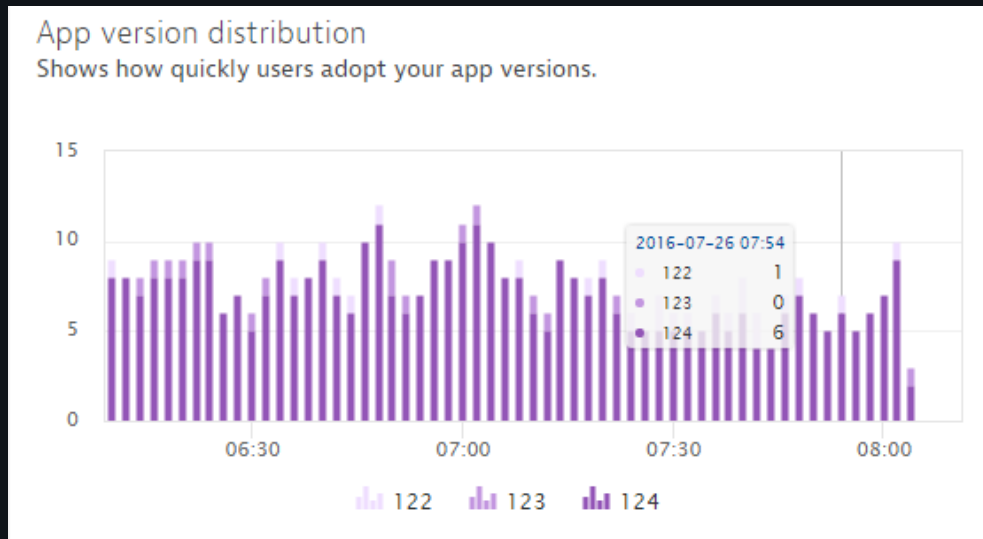
## Overview

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- Seamlessly monitor iOS (including tvOS) and Android apps
- Evaluate active users, sessions and app version adoption
- Track all crashes
- Monitor the performance of your HTTP web request performance and error rates

# Monitor mobile app version usage and adoption

- Follow your users app version adoption after a release in real time
- Measure the actual app version distribution
- Review past app version adoption cycles

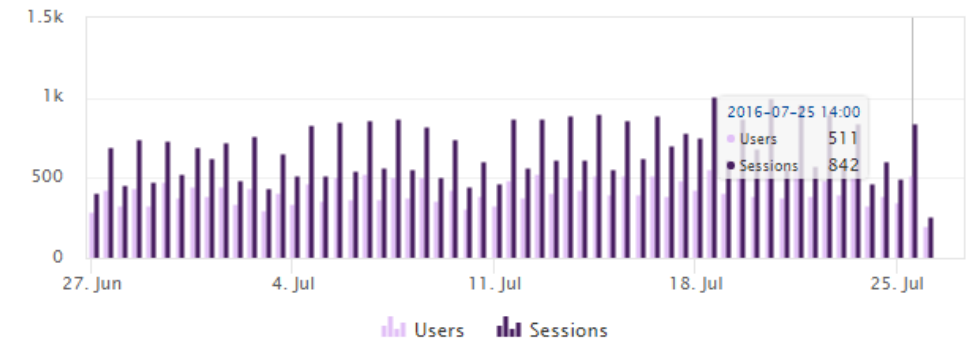


# Count the number of active and new app users

- Monitor the number of active users and sessions for a given period of time
- Check how many new users were acquired during that period of time

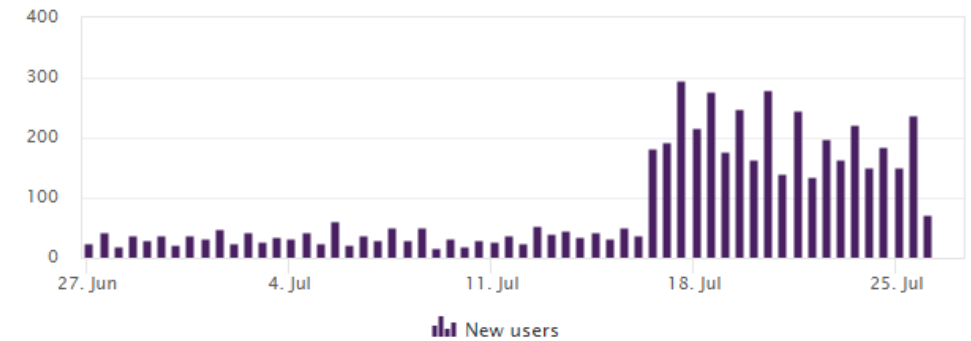
Users / Sessions

Compares number of active users to active sessions over time.



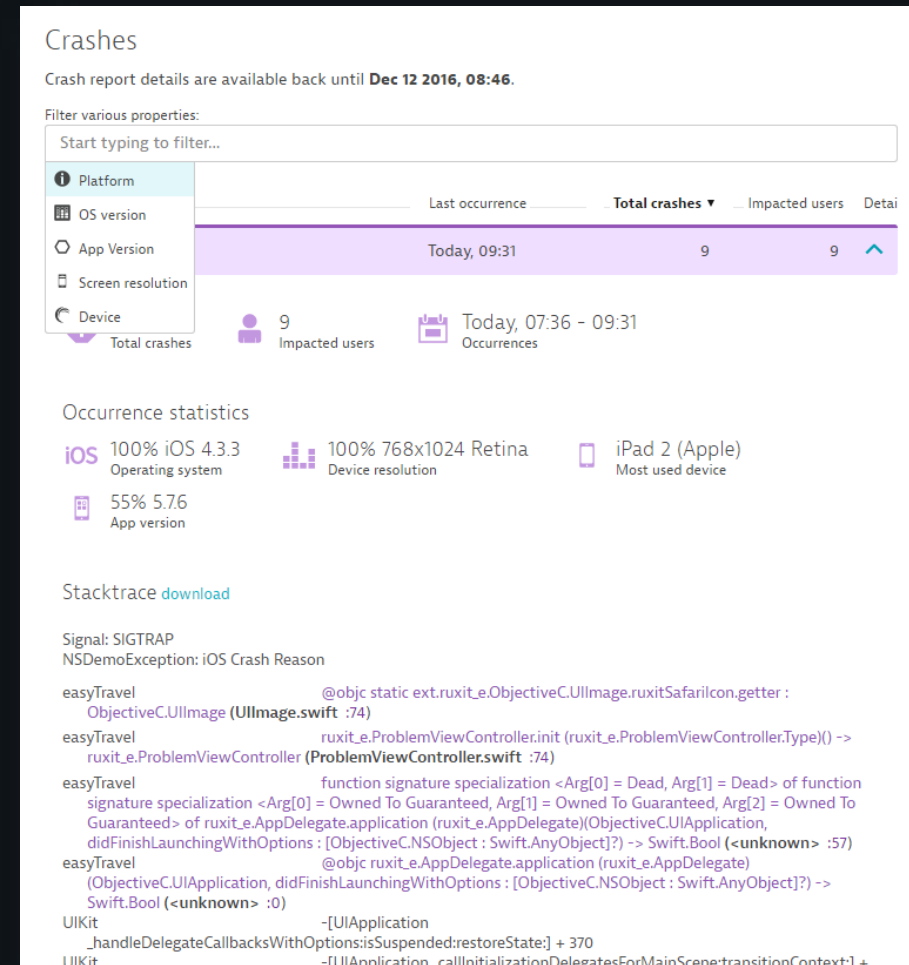
New users

Number of new users acquired during selected timeframe.



# Evaluate crash reports

- Evaluate the details of specific crashes
- How many unique users were affected
- What was the most crashed device type, OS version, resolution?
- Download the stack trace
- Filter all crashes by
  - App version
  - Platform
  - OS
  - Screen resolution
  - Device type

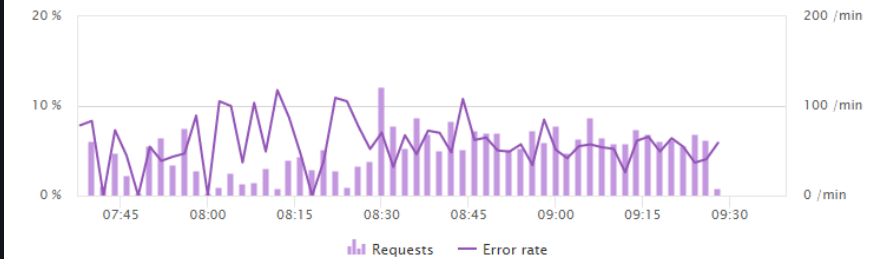


# Monitor HTTP request performance

- Monitor your apps 3<sup>rd</sup> party HTTP requests
- Compare HTTP performance with previous timeframes
- Monitor HTTP request payload sizes and request times

## HTTP requests and error rate

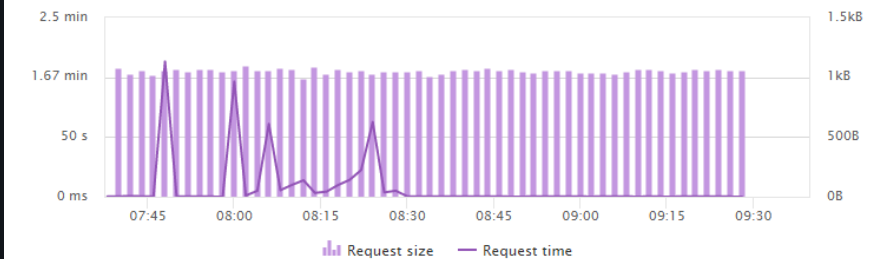
Compares number of HTTP requests with error rates during selected time frame.



Requests	45.13 /min
Error rate	5.72 %

## HTTP request size and performance

Compares the HTTP request size with client-side performance during selected time frame.

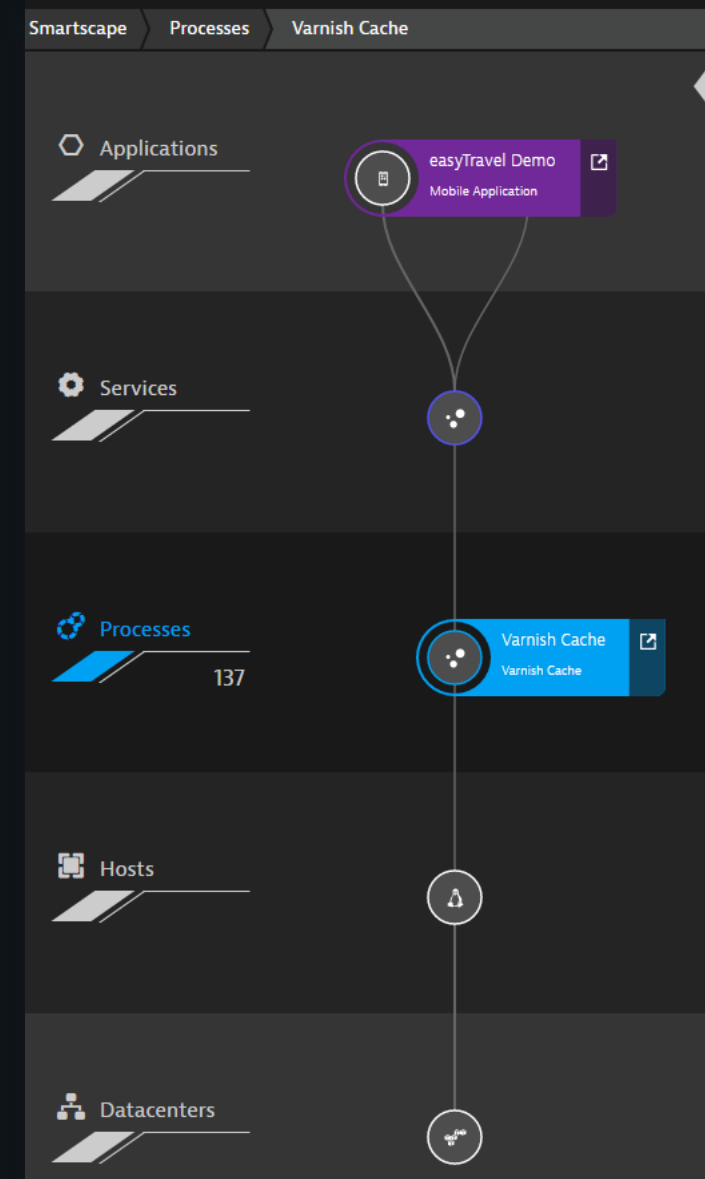
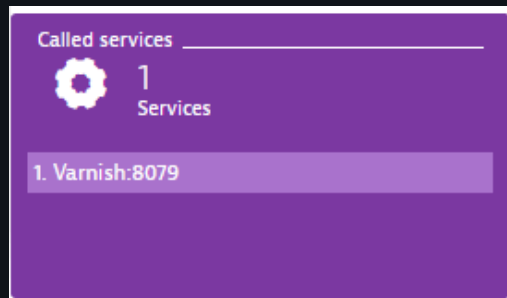


Request size	1.05 kB
Request time	219 ms



## Monitor 1<sup>st</sup> party service call performance

- Automatically monitor service request calls into your own backend infrastructure
- Automatically map the dependencies of your mobile apps
- Monitor service request performance and error rates
- See a real time topology of your mobile apps within Smartscape



# Analysis – Live Demo

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# Questions?

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Simply smarter clouds