

Business Dashboarding and Reporting

Become a **master in business analytics**, and bring back a whole new perspective on digital experience to your business. In this session, learn how to use reporting beyond the traditional use case as we demonstrate real-world examples of business insights, conversion analytics and user experience from our own customers.

Who Are We?

Or who you are stuck with for the next 30 minutes?



John Kelly
Sales Engineer
Dynatrace



Ben Rushlo
Services
Dynatrace

Common Business Questions & Use Cases

- Understanding where performance and user behavior intersect
 - *Did my latest release focused on performance optimization improve bounce rate?*
- Revenue and conversion funnels
 - *Where are user dropping out of my conversion funnel?*
 - *How many dollars am I losing as part of this drop?*
- User paths/business transactions
 - *Pages/actions are great, what about common paths?*
 - *Within my most common paths, where at the performance hot spots?*

Common Business Questions & Use Cases

- Exposing user behavior to technical teams to enrich decision making and value proposition
 - *I wish I could understand engagement metrics to see if the performance changes we are making are supporting the overall business goals*
- Executive reporting – monthly summaries, trends and changes over time
 - *My executives are not going to be in the product, how to I give them the data they need to manage the business?*
 - *How can we zoom out to the big picture?*
- Finding hotspots in user behavior and performance (bounce, slow VC etc.)
 - *Given our limited time and resources, where should I focus my optimization efforts?*

The State of Dashboarding Past

\$host evan-server2012 \$scope



Processes 5m
75 procs

Users 5m
1

Free RAM 5m
2.04G

Page file % ... 5m
10 %

Page faults 5m
30M

Disk queue 5m
0

Disksec/write 5m
0

Disksec/read 5m
0

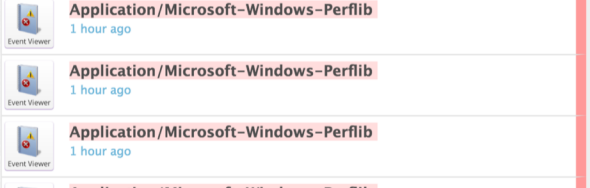
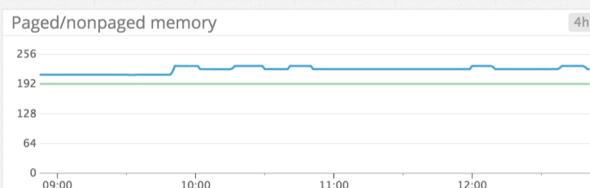
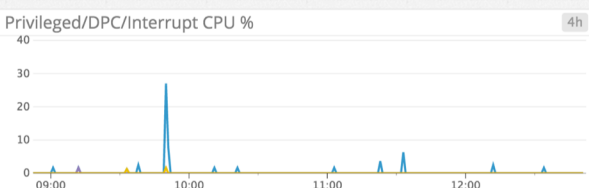
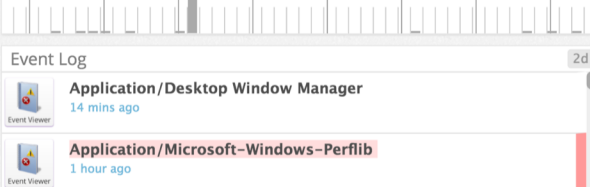
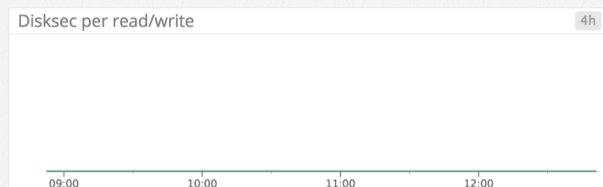
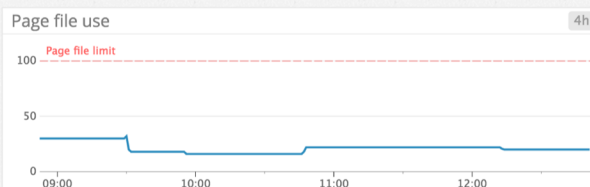
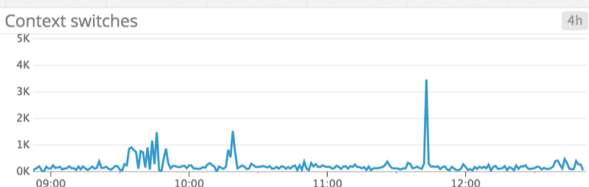
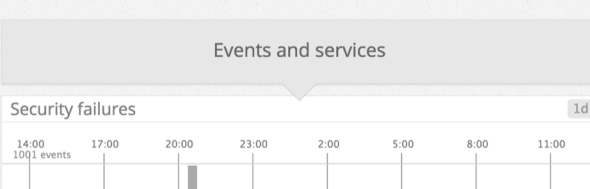
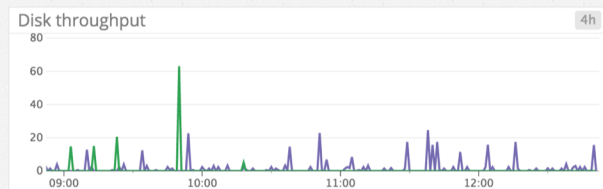
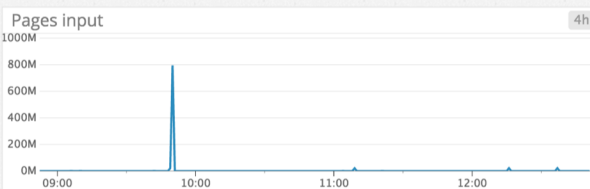
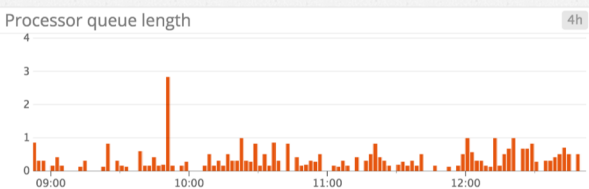
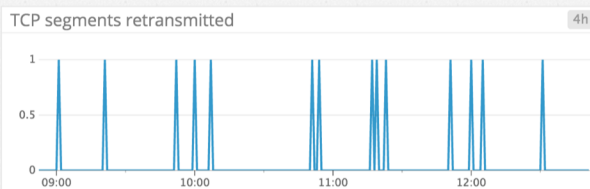
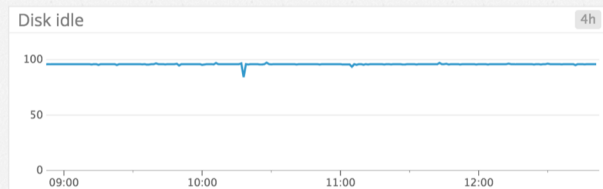
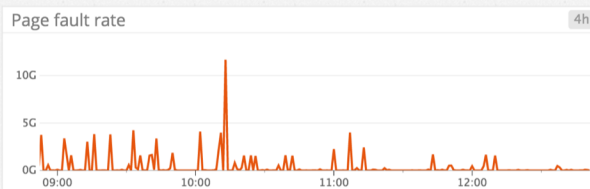
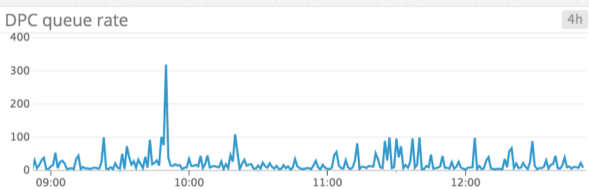
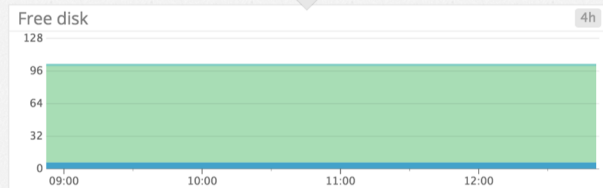
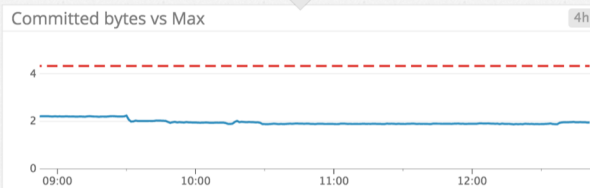
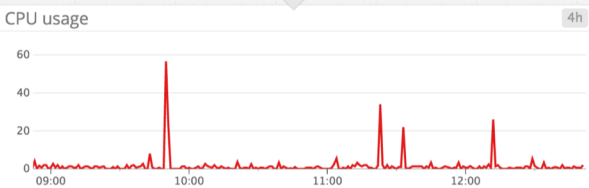


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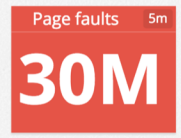
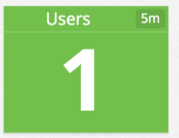
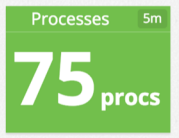
Memory

Disk

Network



\$host evan-server2012 \$scope

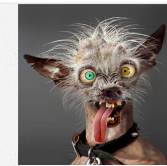


CPU

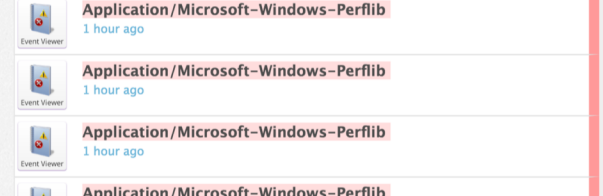
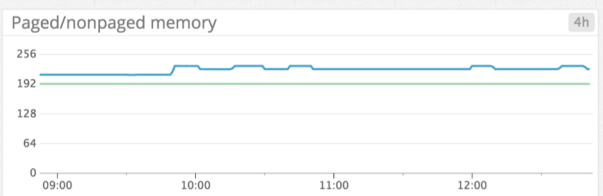
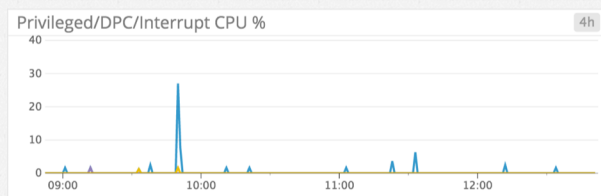
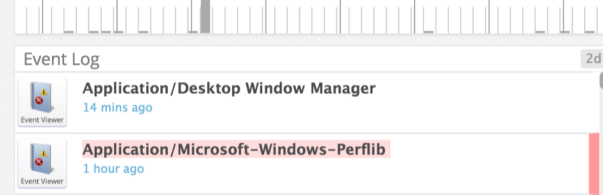
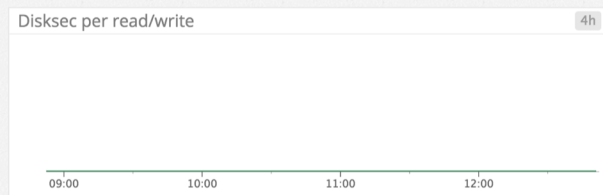
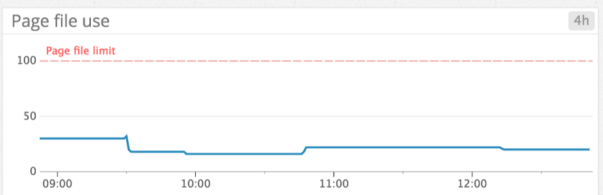
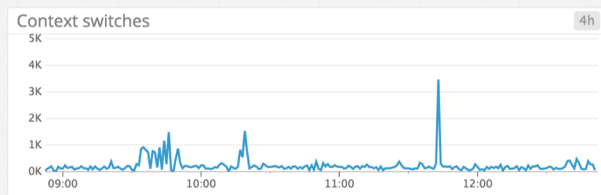
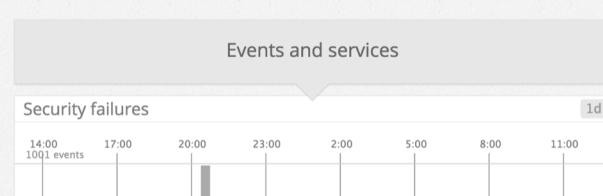
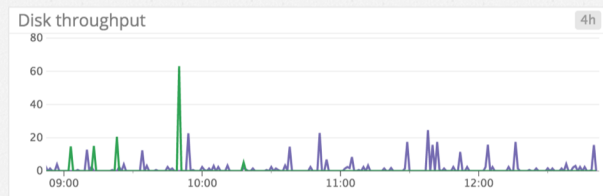
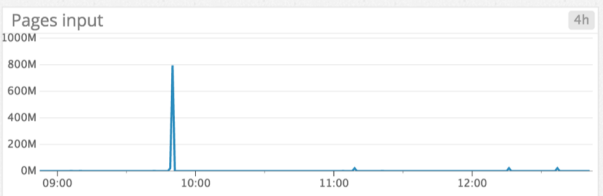
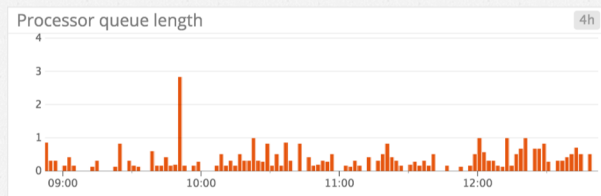
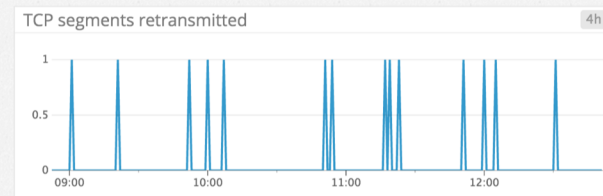
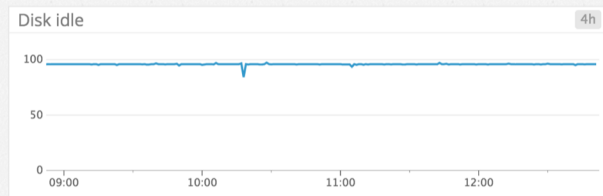
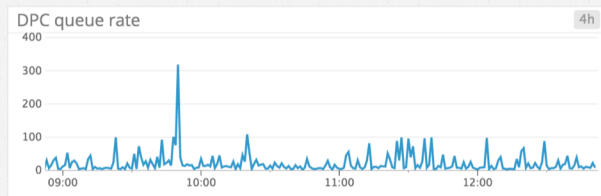
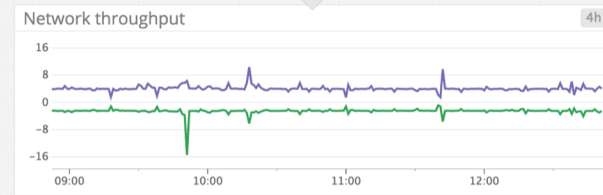
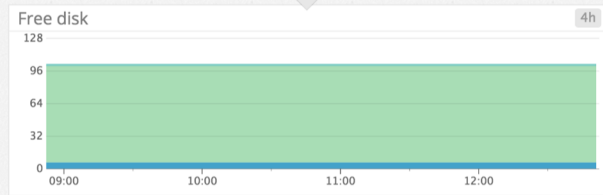
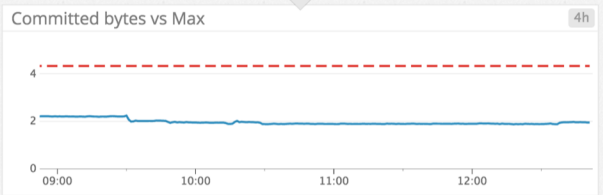
Memory

Disk

Network



DATADOG





Davis Dev APP Today at 10:30 PM

An increase in failure rate on [Frontend](#) was detected by Dynatrace. (updated Today 10:33 PM)

616: Increase in Failure Rate

Start Time

Today at 10:21 PM

Affected Services

[Backend_one](#)

[Frontend](#)

Ticket

[DAV-1684](#)

Assigned To

Mike

Failure Rate

100%

Affected Requests per Minute

61

Root Cause

[Backend_one](#)

- Increase in Failure Rate

The root cause matches this channel's tag configuration.

@Daniel Dyla clicked remediation

6 replies



Davis Dev APP 2 minutes ago

Michael Beemer Said:

The ticket [DAV-1684](#) was created in JIRA by Mike and assigned to Dan.

Via JIRA.



Davis Dev APP 1 minute ago

Michael Beemer Said:

The ticket was reassigned to Mike.

Via JIRA.



Davis Dev APP 1 minute ago

Added your comment: "Mike, let me know when this is fixed" to [problem 616](#). Is there anything else I can help you with?



Davis Dev APP < 1 minute ago

@daniel.dyla Said:

Mike, let me know when this is fixed

Via davis.



Davis Dev APP < 1 minute ago

@daniel.dyla Said:

Mike, let me know when this is fixed

Via davis.



Davis Dev APP < 1 minute ago

Remediation action triggered successfully. Can I help you with anything else?



Reply...

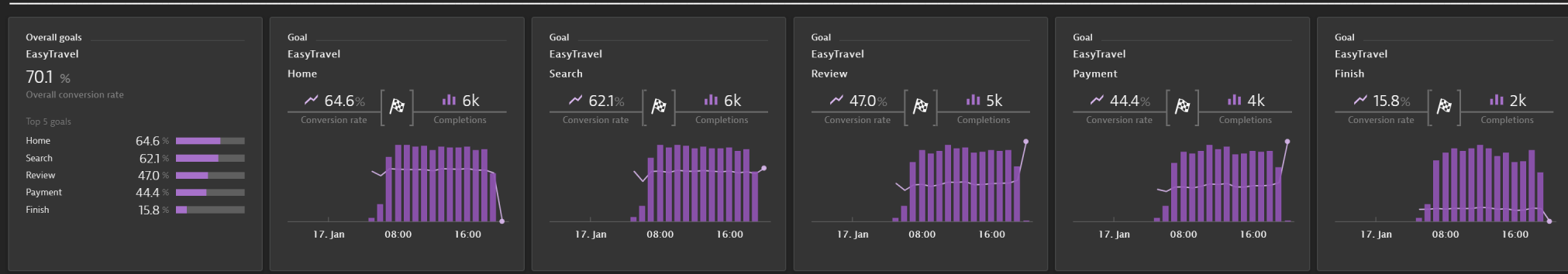


The State of Dashboarding Present

Goal and Funnel Analysis

Timeframe: Last 24 hours Management zone: All Owned by student0003@trial.dynatracelabs.com

Goal Analysis



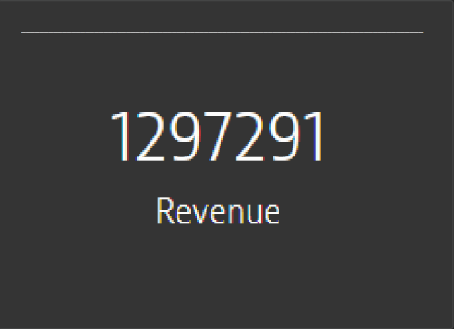
Funnel Step Analysis



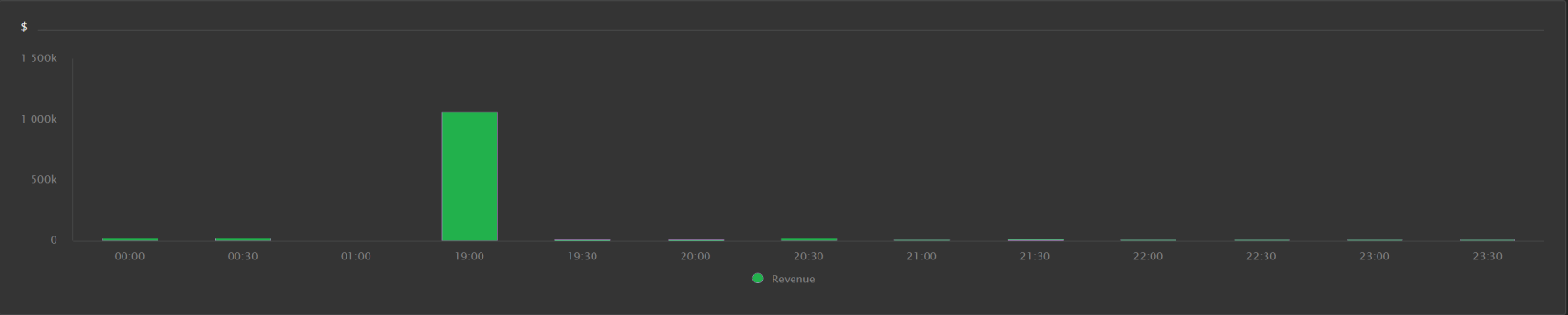
Revenue

Timeframe: Last 6 hours Management zone: All Owned by student0003@trial.dynatracelabs.com

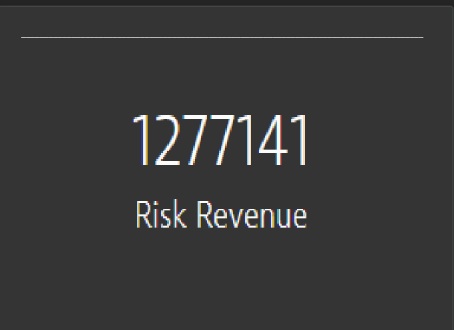
Revenue



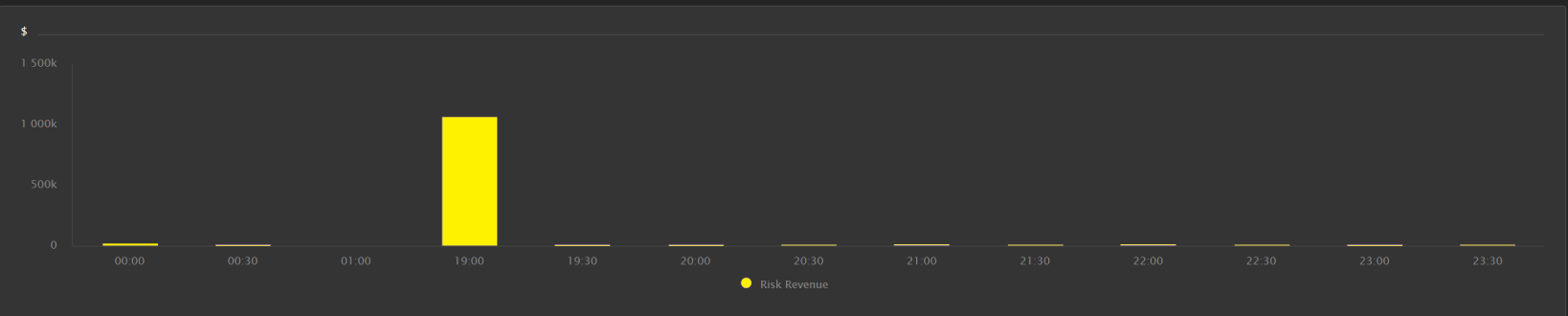
Revenue Over Time



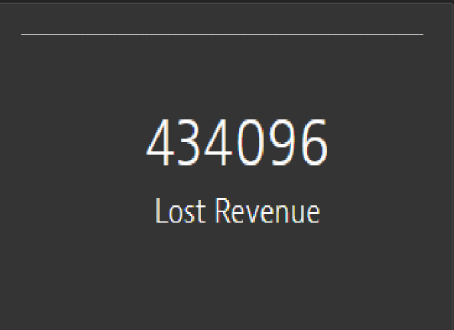
Risk Revenue



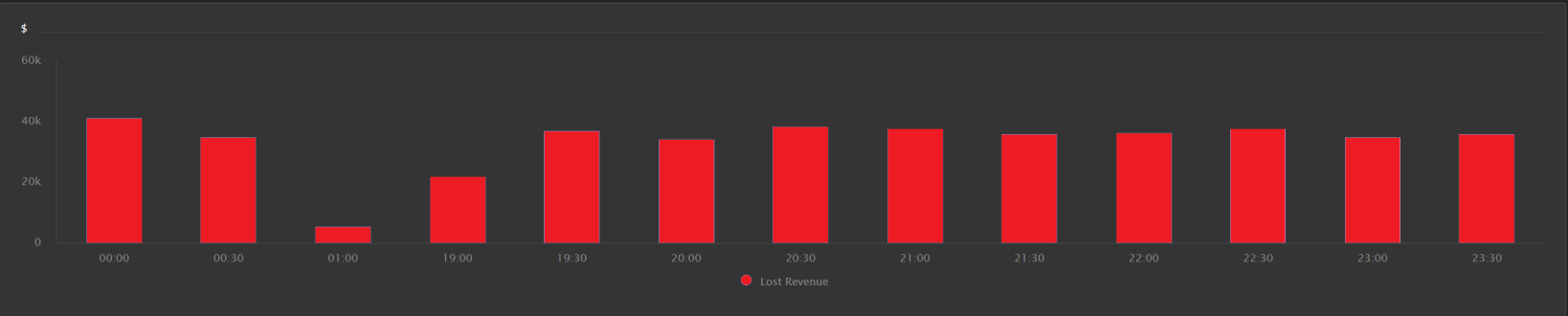
Risk Revenue Over Time



Lost Revenue



Lost Revenue Over Time



User sessions query

Create advanced queries on completed user sessions using user sessions query language. [View Documentation](#)

```
select sum(usersession.doubleProperties.finishamount) as "Revenue" FROM usersession
```

Run query

Save changes to dashboard

Clone to dashboard

In order to improve performance results are based on sampled data. [Refine the query](#) for more precise results.

Bar Chart

Line Chart

Pie Chart

KPI

Table Only

Revenue



4666372

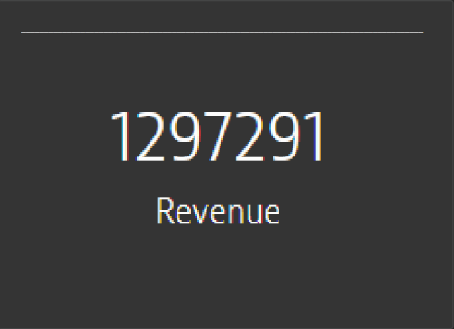
Revenue

4666372

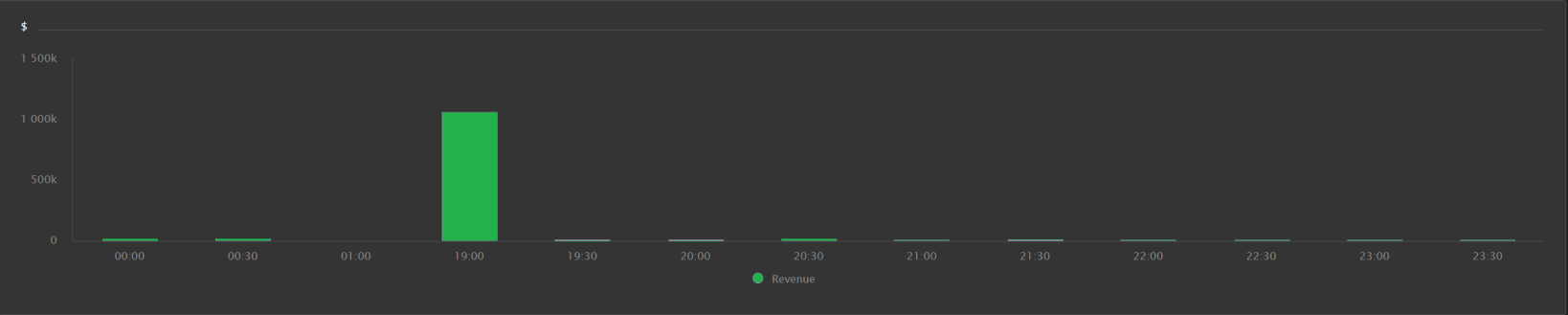
Revenue

Timeframe: Last 6 hours Management zone: All Owned by student0003@trial.dynatracelabs.com

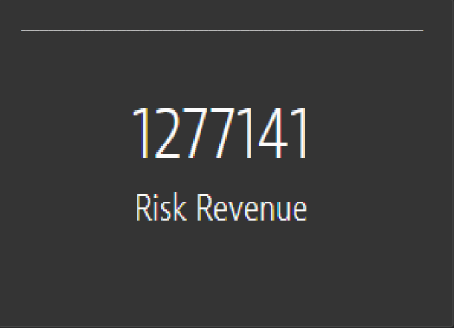
Revenue



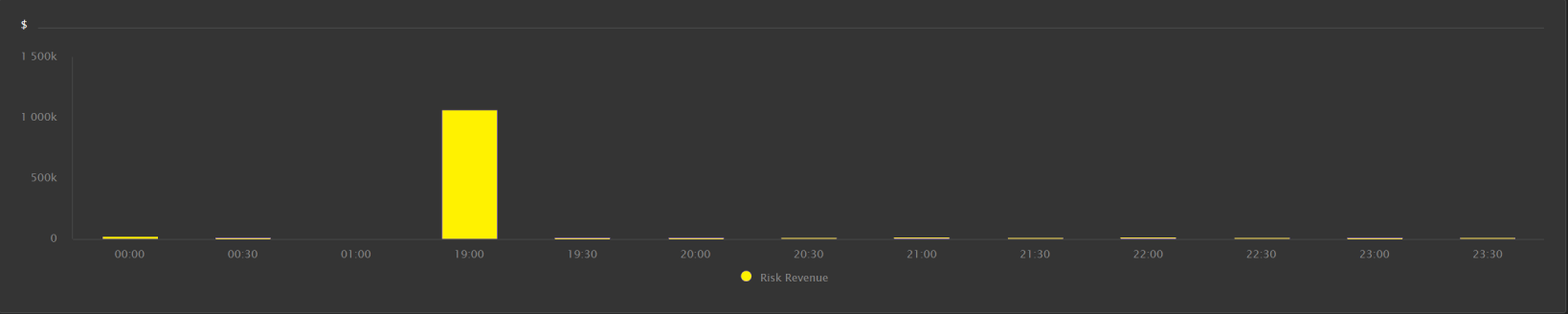
Revenue Over Time



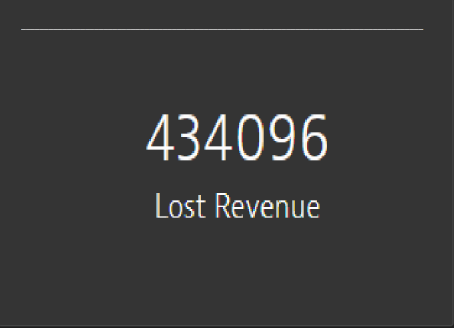
Risk Revenue



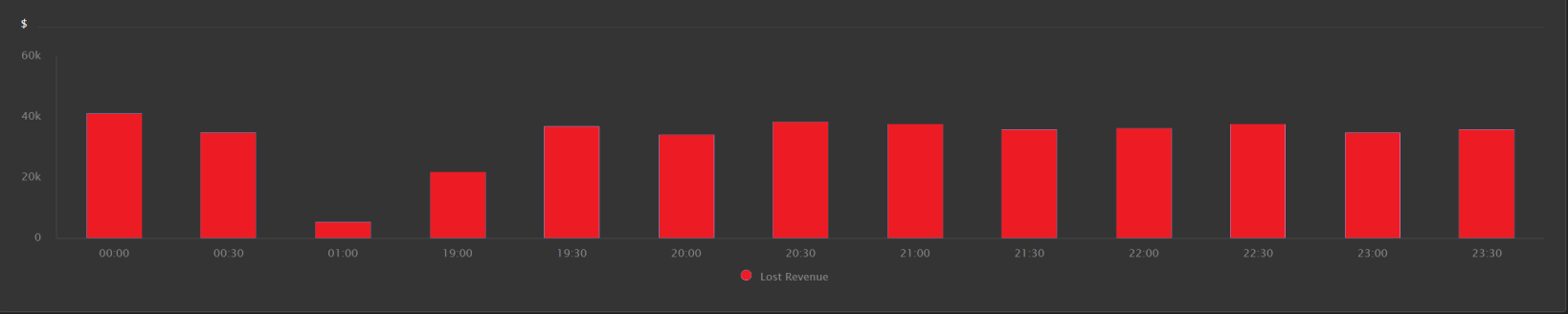
Risk Revenue Over Time



Lost Revenue



Lost Revenue Over Time



- User sessions query

User sessions query

[View Documentation](#)

```
select sum(usersession.doubleProperties.finishamount) as "Risk Revenue" FROM usersession where useraction.apdexCategory="TOLERATING" or useraction.apdexCategory="FRUSTRATED" or useraction.apdexCategory="UNKNOWN" or useraction.apdexCategory is null
```

Run query

Save changes to dashboard

[Clone to dashboard](#)

4. Refine the query for more precise results.

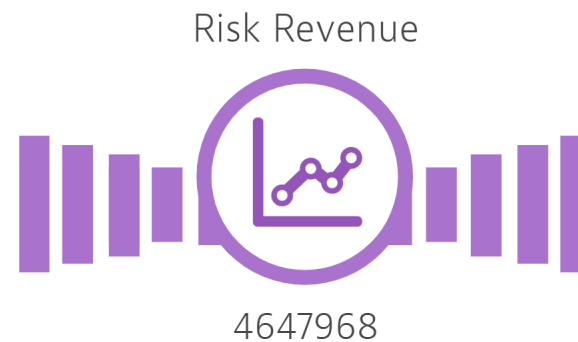
Bar Chart

Line Chart

Pie Chart

KPI

Table Only



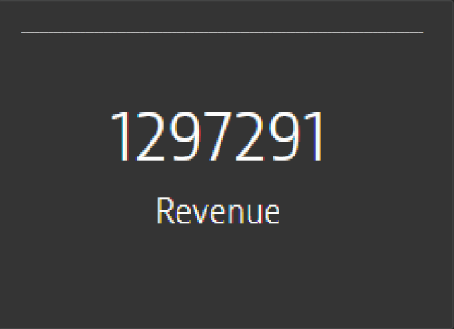
Risk Revenue

4647968

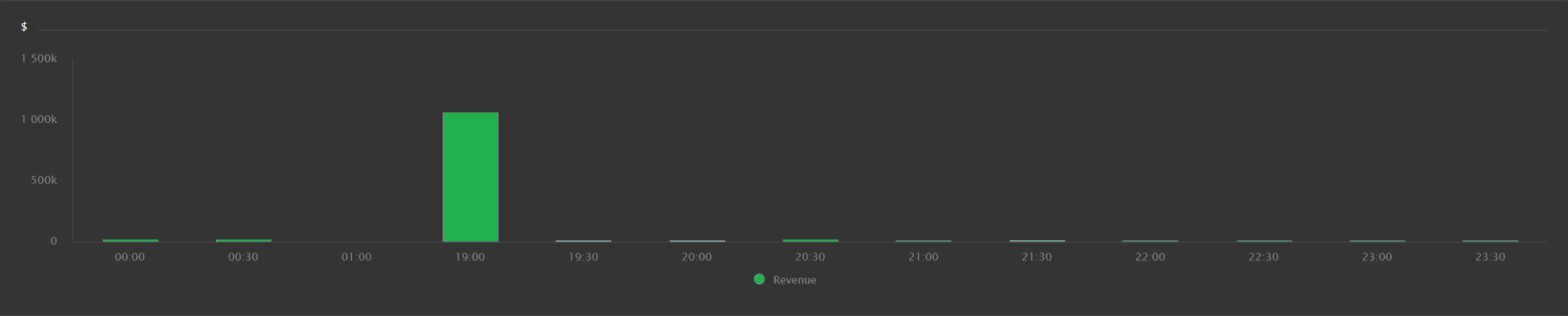
Revenue

Timeframe: Last 6 hours Management zone: All Owned by student0003@trial.dynatracelabs.com

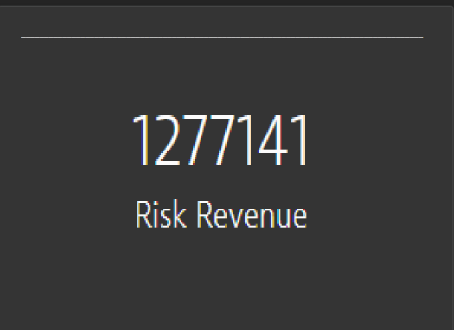
Revenue



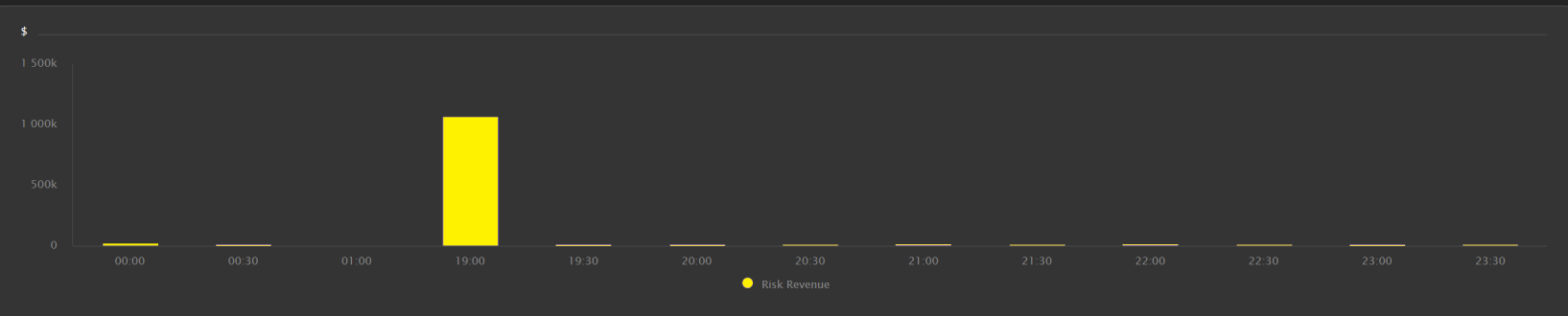
Revenue Over Time



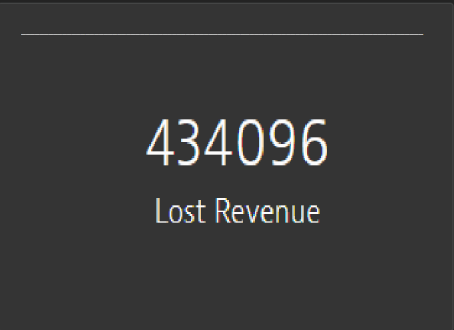
Risk Revenue



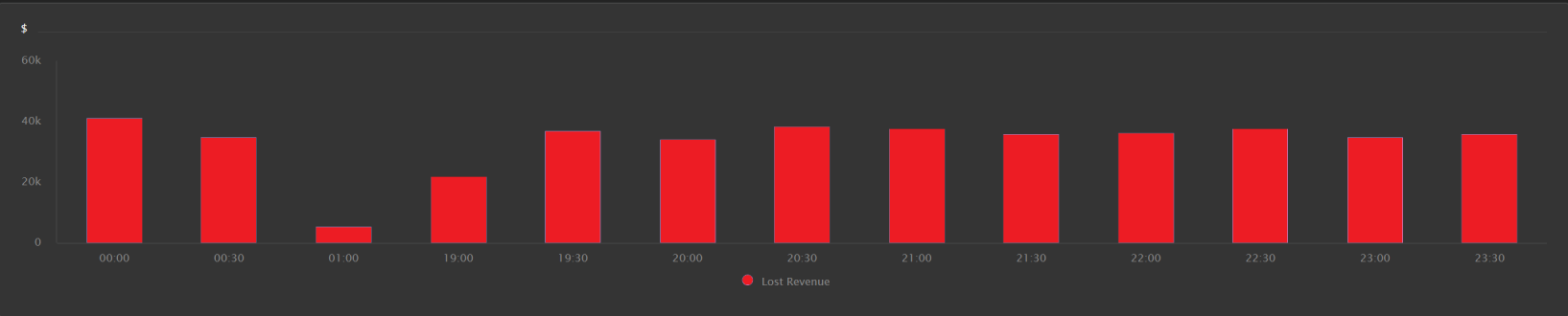
Risk Revenue Over Time



Lost Revenue




Lost Revenue Over Time



- Dashboards & reports
- Dashboards
- Create custom chart
- Reports
- Analyze
- Problems
- User sessions
- Log files
- Smartscape topology
- Diagnostic tools
- Monitor
- Applications
- Synthetic
- Transactions & services
- Databases
- Hosts
- Network
- Technologies
- VMware
- AWS
- Azure

User sessions > User sessions query

 **User sessions query**
Create advanced queries on completed user sessions using user sessions query language. [View Documentation](#)

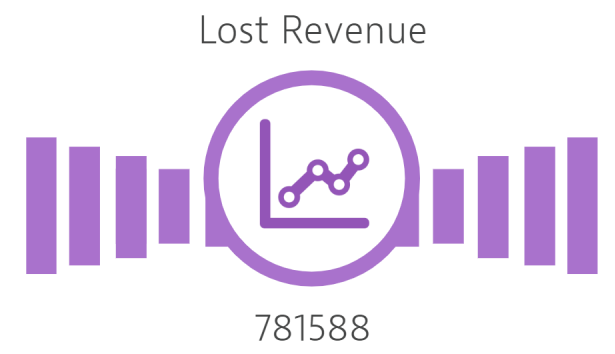
```
select sum(usersession.doubleProperties.bookingamount) as "Lost Revenue" FROM usersession where useraction.name!="Finish"
```

Run query

Save changes to dashboard Clone to dashboard

In order to improve performance results are based on sampled data. [Refine the query](#) for more precise results.

Visualization: Bar Chart Line Chart Pie Chart **KPI** Table Only

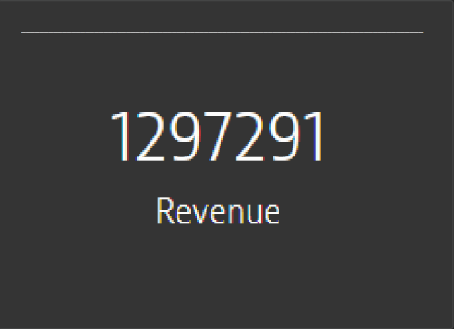


Lost Revenue
781588

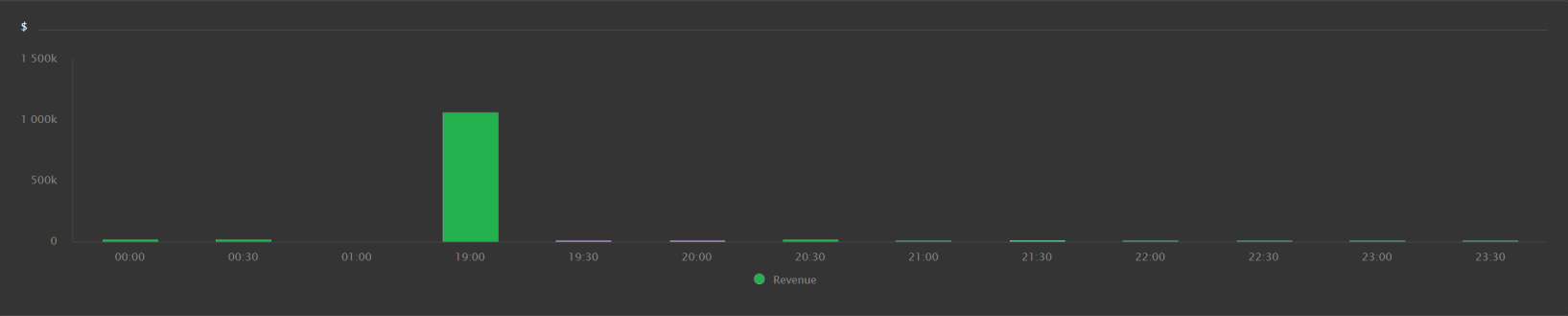
Revenue

Timeframe: Last 6 hours Management zone: All Owned by student0003@trial.dynatracelabs.com

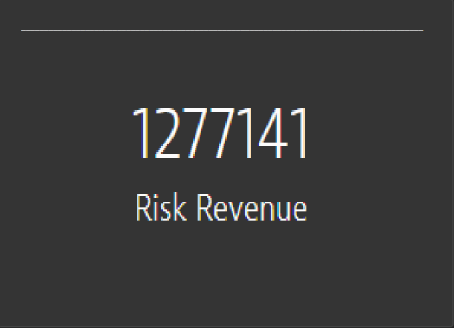
Revenue



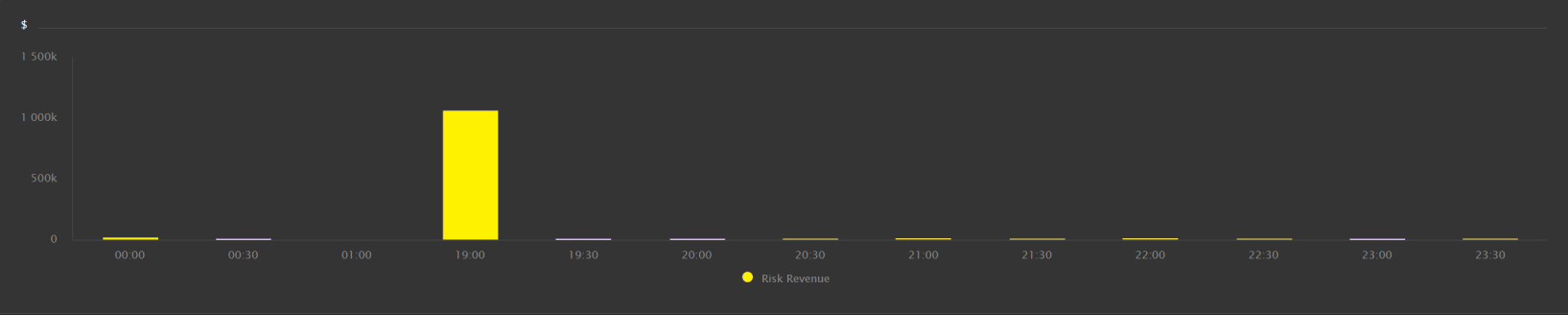
Revenue Over Time



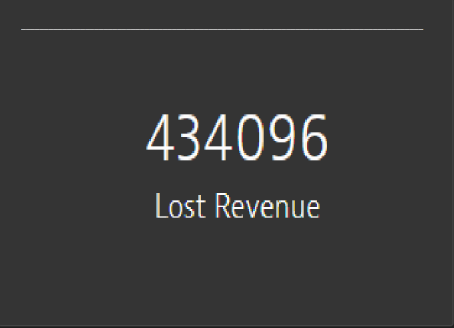
Risk Revenue



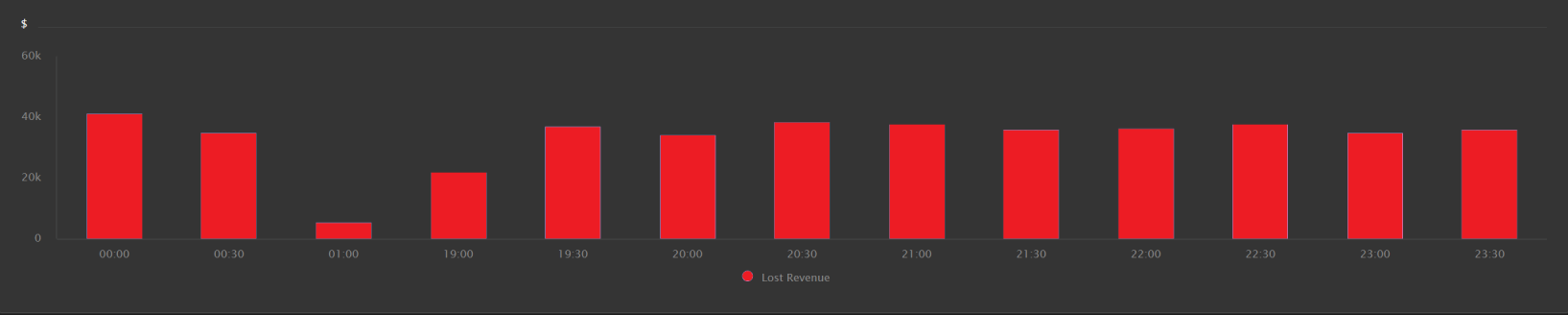
Risk Revenue Over Time



Lost Revenue



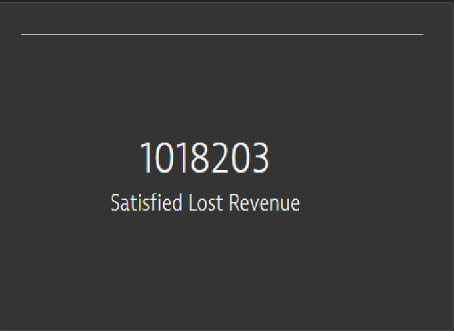
Lost Revenue Over Time



Lost Revenue Analysis by Apex Rating

Timeframe: Last 24 hours Management zone: All Owned by student0003@trial.dynatracelabs.com

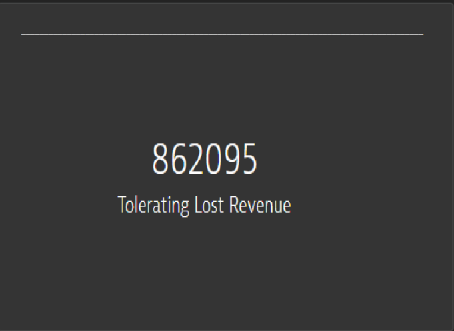
Satisfied Lost Revenue



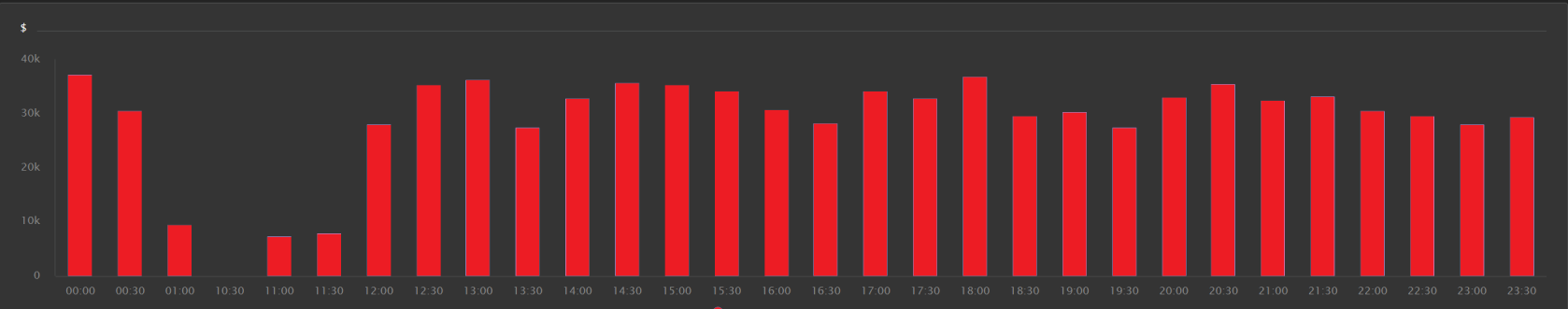
Satisfied Lost Revenue Over Time



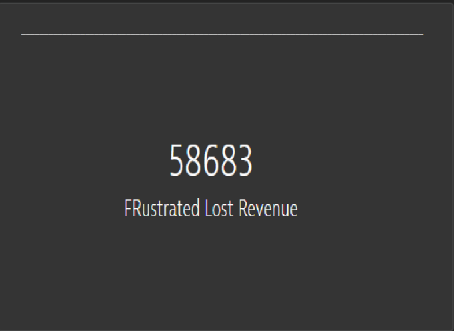
Tolerating Lost Revenue



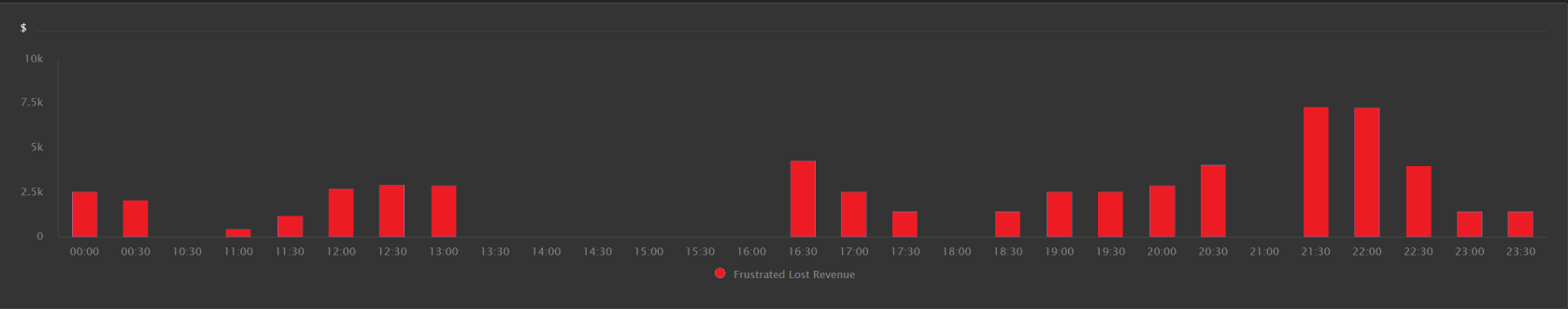
Tolerating Lost Revenue Over Time



Frustrated Lost Revenue



Frustrated Lost Revenue Over Time

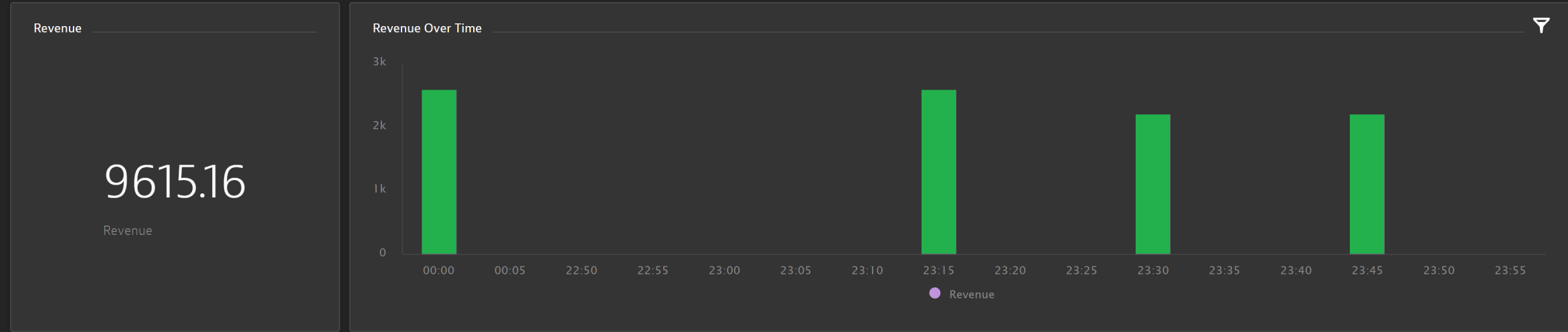


Revenue Compare

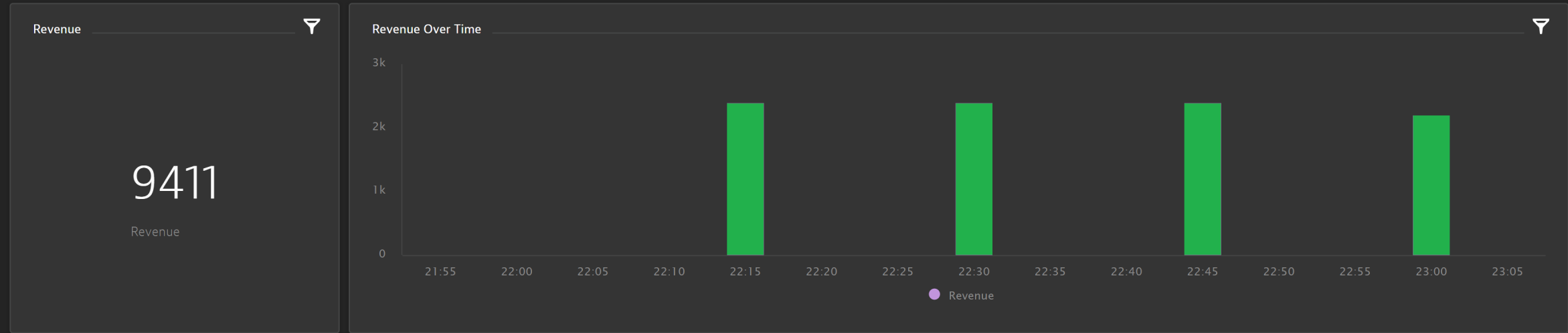
Edit

...

Current Timeframe



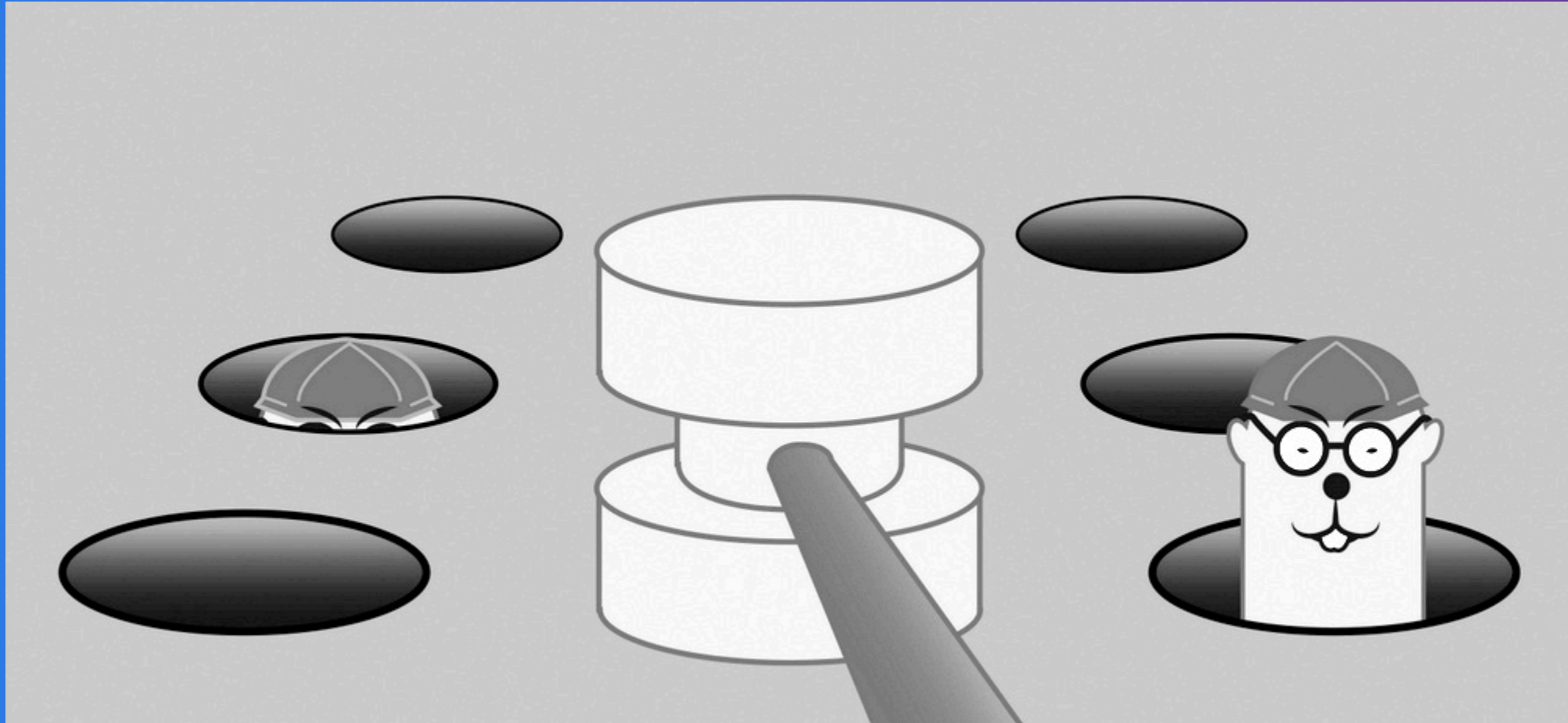
Previous Timeframe



Dashboard Story



I Still Love Those Dashboards



The State of Dashboarding Future

“Dynatrace...The Future is here now. The line between a dashboard and an internal web page will fade.”




Tech Shady, Perform 2019

Contextual Regurgitation



AuthenticationService: Failure rate increase

▲ Problem 619 detected at Jan 23 11:14 - Jan 23 16:05 (was open for 4 hours 51 minutes). Manually closed by student0003@trial.dynatracelabs.com.

 Affected applications -  Affected services 1  Affected infrastructure -

 6,120
Dependencies analyzed

Business impact analysis

An analysis of all affected service calls and impacted real users during the first 26 minutes of the problem shows the following potential impact.

 203 Impacted users (show first 100)
  2.03k Affected service calls


▼ Show more

Business metric analysis

Additional analysis performed on key business metrics such as conversion goals or revenue numbers. Comparisons are done for the Problem timeframe yesterday and a week ago.

1 impacted service

24.2 Requests per minute impacted



AuthenticationService

Web service

Failure rate increase
by a failure rate increase to 100 %

Affected requests	Service method
24.2 /min	All methods affected

One comment

Problem manually closed: Shady fixed it again.

student0003@trial.dynatracelabs.com via dynatrace-problem-close, Jan 23, 2019 16:05

Delete

Root cause

Based on our dependency analysis all incidents have the same root cause

 **AuthenticationService**
Web service

2 Failure rate increases
Service method authenticate has failure rate increase

Metric anomalies detected

Review the metrics which show abnormal or outlying behavior.

Server response time

 $+ 4.79 \text{ ms}$

Now

Before

Client failure rate


+ 79 %

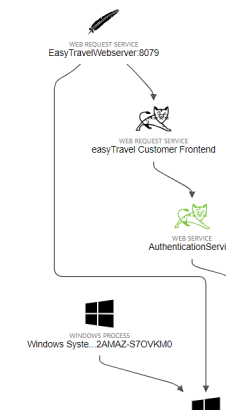
Now

Before

Analyze findings

[Show 2 more](#)

 **Visual resolution path**
Click to see how we figured it



!

AuthenticationService: Failure rate increase

Problem 619 detected at Jan 23 11:14 - Jan 23 16:05 (was open for 4 hours 51 minutes). Manually closed by student0003@trial.dynatracelabs.com.

Affected applications

-

Affected services

1

Affected infrastructure

-

6,120

Dependencies analyzed

Business impact analysis

An analysis of all affected service calls and impacted real users during the first 26 minutes of the problem shows the following potential impact.

203

Impacted users (show first 100)

2.03k

Affected service calls

✓ Show more

Business metric analysis

Additional analysis performed on key business metrics such as conversion goals or revenue numbers. Comparisons are done for the Problem timeframe yesterday and a week ago.

Search (EasyTravel)

3,344

↘

88.32%

vs. yesterday

↘

97.88%

vs. last week

Home (EasyTravel)

3,319

↘

85.34%

vs. yesterday

↘

88.08%

vs. last week

Review (EasyTravel)

2,092

↘

87.5%

vs. yesterday

↘

113.67%

vs. last week

Payment (EasyTravel)

1,501

↘

98.95%

vs. yesterday

↘

120.92%

vs. last week

Finish (EasyTravel)

16

↘

12798.72%

vs. yesterday

↘

12990.65%

vs. last week

Finishamount

102,633

↘

7.74%

vs. yesterday

↘

1.18%

vs. last week

1 impacted service

Root cause

Based on our dependency analysis all incidents have the same root cause

AuthenticationService

Web service

2 Failure rate increases

Service method authenticate has failure rate increase

Jan 23 2019, 11:14 - 16:05

Metric anomalies detected

Review the metrics which show abnormal or outlying behavior.

Server response time

+ 4.79 ms

Now

Before

Client failure rate

+ 79 %

Now

Before

Analyze findings

Show 2 more

Visual resolution path

Click to see how we figured this out.

WEB REQUEST SERVICE
EasyTravelWebserver:8079

↙

↘

WEB REQUEST SERVICE
easyTravel Customer Frontend

↘

WEB SERVICE
AuthenticationService

↙

↘

WINDOWS PROCESS
Windows Syste...ZAMAZ-STOVKIM0

↙

↘

Final Thought

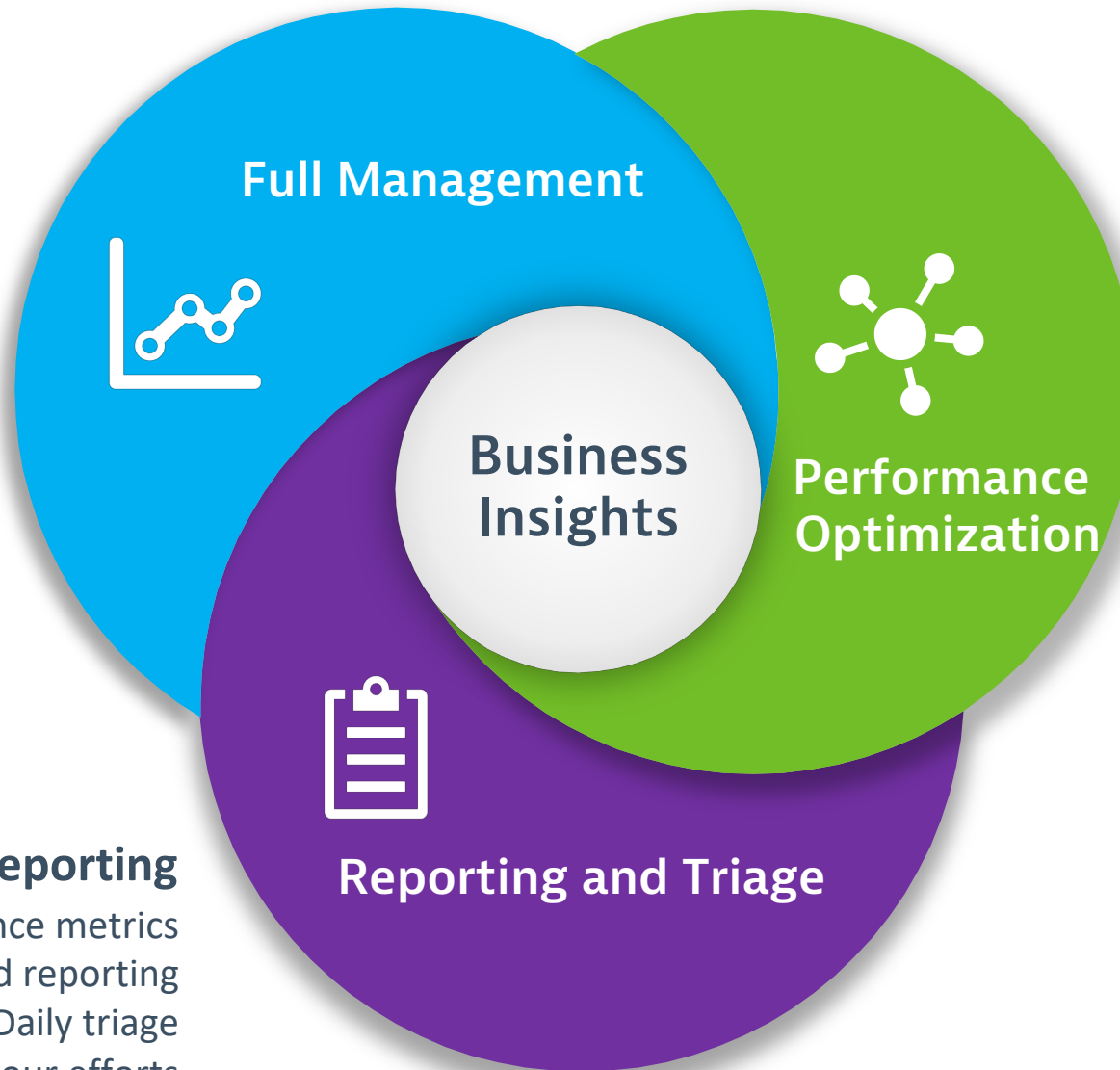
If You Remember One Thing ...

The line between a dashboard and other internal web pages will fade



Business Insights Analytics

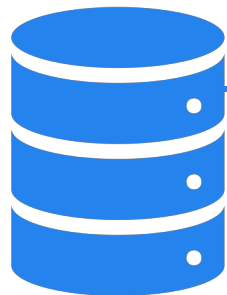
Management
Synthetic design and scripting
Real User setup & dashboards
The right data matters



Reporting
Key performance metrics
Daily automated reporting
Daily triage
Focusing your efforts

Optimization
Expertise based analysis
End to end optimization
Business Context
Improving what has impact

Dynatrace Data Store
(Managed or SaaS)

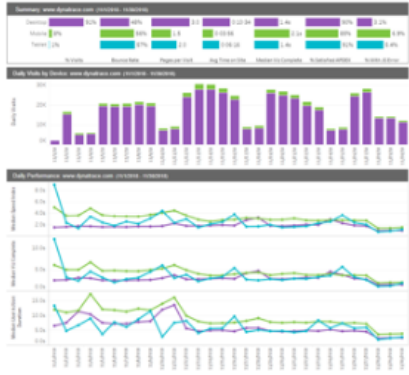
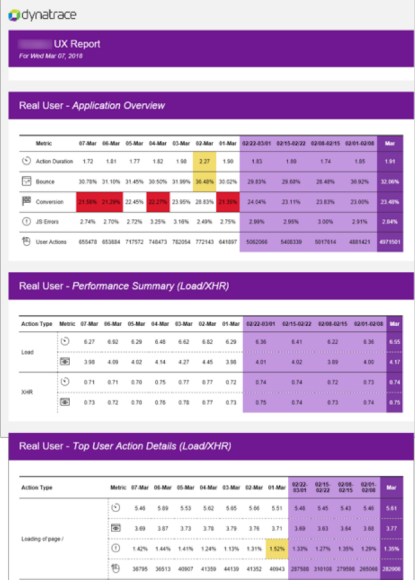


RUM + Synthetic

User Session
& Time Series API



Insight Reporting



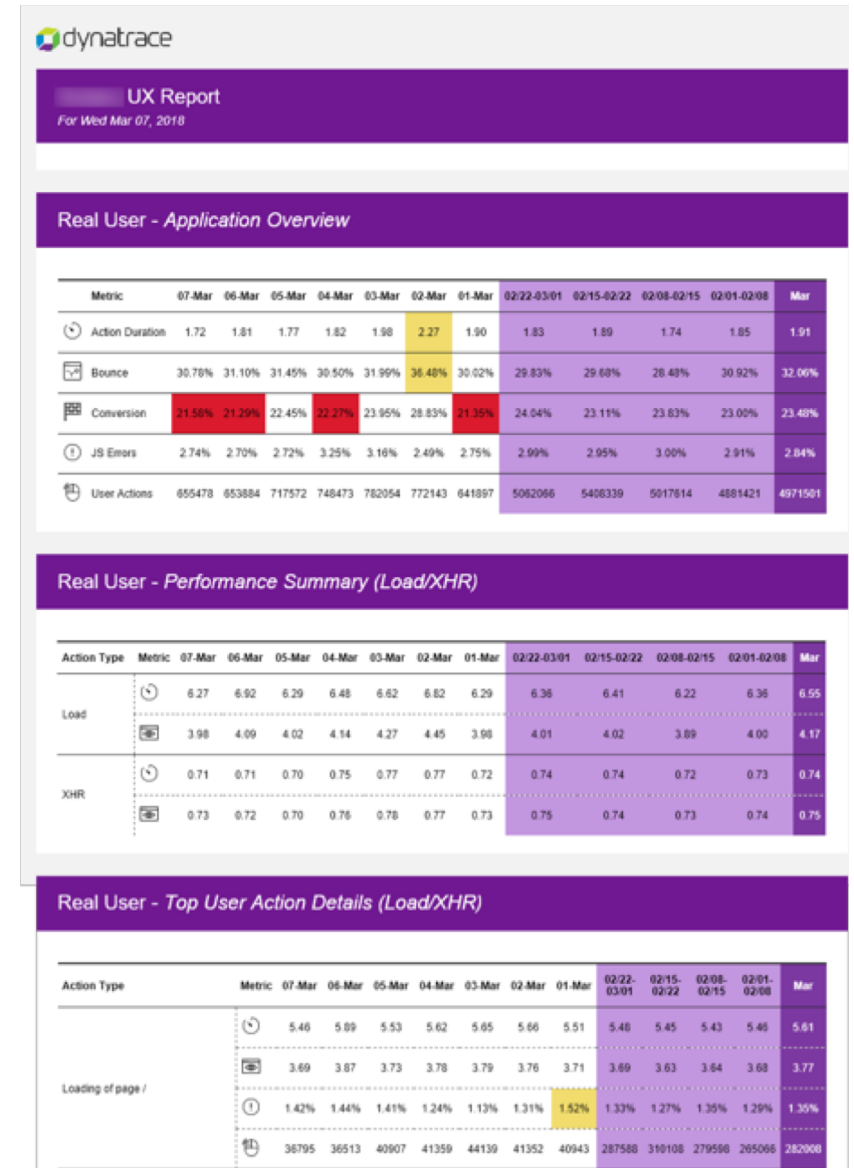
Automated Reporting Example

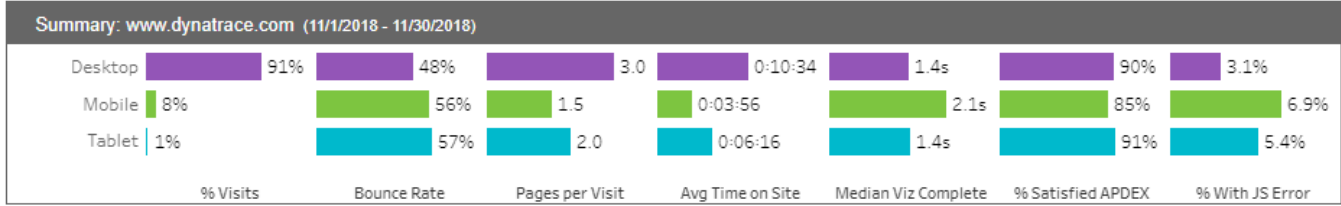
Get data out of a tool and into your users hands

Quickly spot trends and changes to your application

Create an ongoing dialogue about performance

Combine Synthetic and Real User in the same view

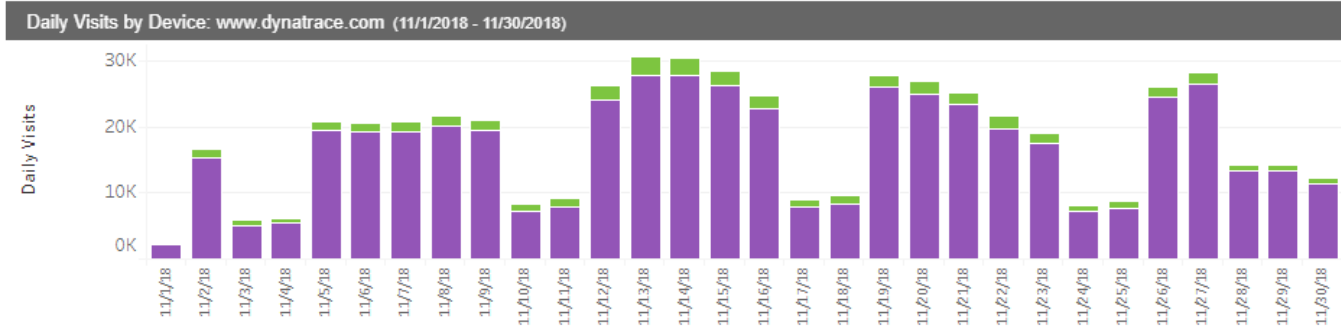




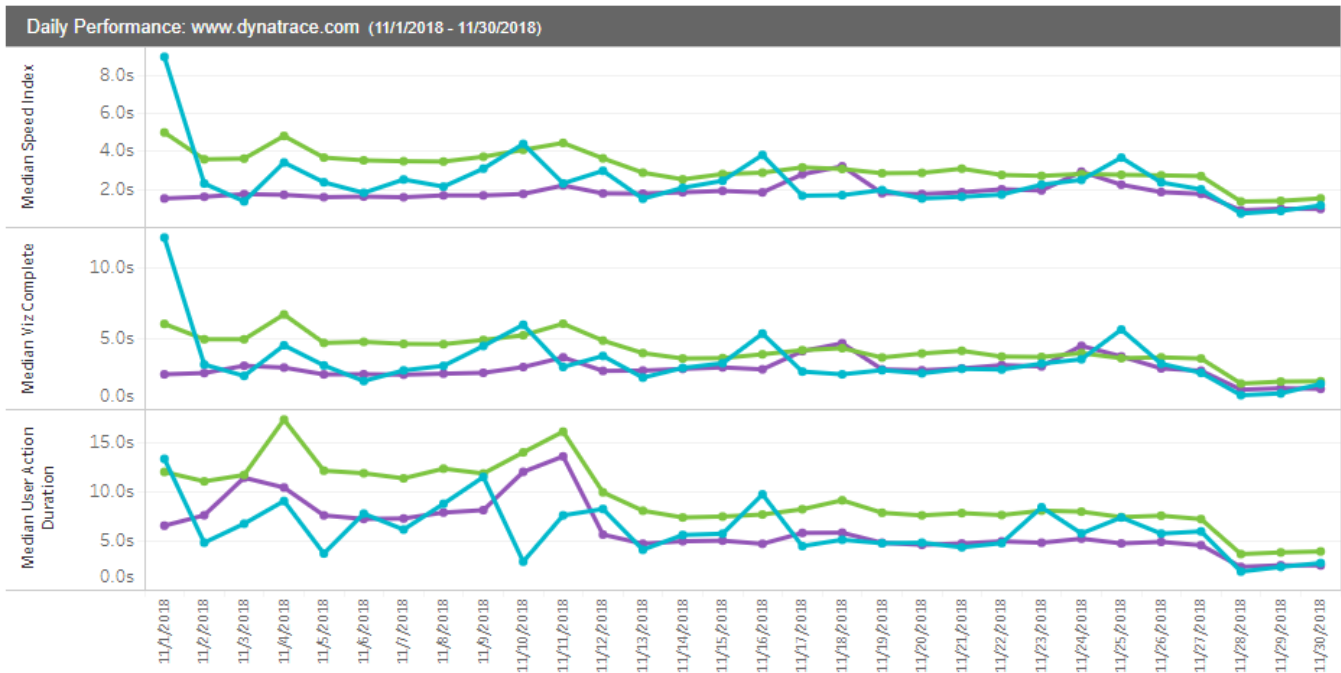
www.dynatrace.com
298K Visits
11/1/2018 - 11/30/2018



Device
 Desktop Browser
 Mobile Browser
 Tablet Browser



User Type
 All
 Landing Page Type
 All
 Show Speed Index?
 Yes



Top 25 Pages: www.dynatrace.com (11/1/2018 - 11/30/2018)										
	Pageviews		Median Speed Index		Median Viz Complete		Median Load Event		% Pageviews with JS Error	
	Landing	All Other	Landing	All Other	Landing	All Other	Landing	All Other	Landing	All Other
/	68,910	72,298	1.6s	1.5s	2.2s	2.1s	3.0s	2.8s	3.4%	1.0%
/company/customers/	541	36,889	1.3s	0.5s	1.9s	1.2s	3.1s	1.3s	5.5%	0.2%
/availability-and-performance/enterprise-cloud-monitor..	27,459	5,297	3.1s	2.0s	4.6s	3.0s	5.5s	3.8s	6.1%	1.2%
/platform/	2,650	29,195	1.0s	0.4s	1.8s	1.4s	3.3s	1.9s	5.1%	0.7%
/services-support/	11,867	16,601	1.7s	0.7s	2.0s	0.9s	3.5s	1.9s	3.2%	2.6%
/technologies/aws-monitoring/	616	18,190	1.3s	0.8s	1.9s	1.3s	3.4s	1.8s	14.3%	0.2%
/partners/	599	17,563	2.0s	0.8s	2.8s	1.1s	5.3s	2.2s	6.0%	0.1%
/support/help/	5,243	9,089	0.9s	0.5s	1.6s	0.8s	1.9s	0.9s	0.3%	0.2%
/trial/	3,207	9,044	1.5s	0.8s	2.3s	1.3s	3.1s	1.5s	4.7%	4.1%
/solutions/	1,645	9,568	1.3s	1.0s	1.8s	1.3s	2.8s	1.8s	3.6%	2.0%
/platform/digital-experience-monitoring/	4,586	6,471	2.0s	0.6s	2.9s	0.8s	3.7s	1.0s	4.2%	0.5%
/support/help/deploy-dynatrace/	1,170	9,736	1.2s	0.5s	2.0s	0.7s	2.5s	0.9s	0.3%	0.2%
/support/doc/	2,759	8,102	1.2s	0.7s	1.7s	0.9s	3.1s	1.5s	1.6%	1.6%
/perform-vegas/	5,568	2,976	3.4s	1.2s	4.7s	1.5s	6.8s	2.0s	13.0%	4.9%
/platform/application-performance-management/	1,197	6,913	1.5s	0.9s	2.2s	1.1s	3.4s	1.6s	6.7%	2.9%
/resources/ebooks/javabook/how-garbage-collection-wo..	7,030	872	1.4s	0.5s	2.3s	0.7s	3.2s	1.3s	2.5%	2.3%
/support/help/dynatrace-api/	2,166	5,017	1.1s	0.3s	1.7s	0.5s	2.3s	0.7s	0.6%	0.7%
/support/help/monitor/	381	6,615	1.2s	0.3s	1.7s	0.5s	2.3s	0.7s	1.0%	0.3%
/support/contact-support/	2,165	4,696	1.5s	0.8s	2.8s	1.0s	3.8s	1.3s	99.2%	97.5%
/support/help/get-started/	675	6,011	1.2s	0.3s	2.1s	0.6s	2.4s	0.7s	0.4%	0.1%
/platform/synthetic-monitoring/	4,914	920	1.6s	0.8s	2.7s	1.3s	3.5s	1.9s	4.2%	2.8%
/company/	841	4,674	1.0s	0.9s	1.6s	1.2s	2.6s	1.9s	3.7%	1.4%
/support/help/deploy-dynatrace/oneagent/supported-te..	1,652	3,848	1.4s	0.6s	2.1s	0.9s	3.0s	1.2s	1.9%	0.3%
/technologies/	990	4,099	1.6s	1.1s	2.2s	1.3s	3.6s	1.8s	7.2%	2.8%
/support/help/deploy-dynatrace/managed/	588	4,052	1.1s	0.5s	1.9s	0.7s	2.6s	1.1s	1.2%	0.2%

Device Type
All ▼

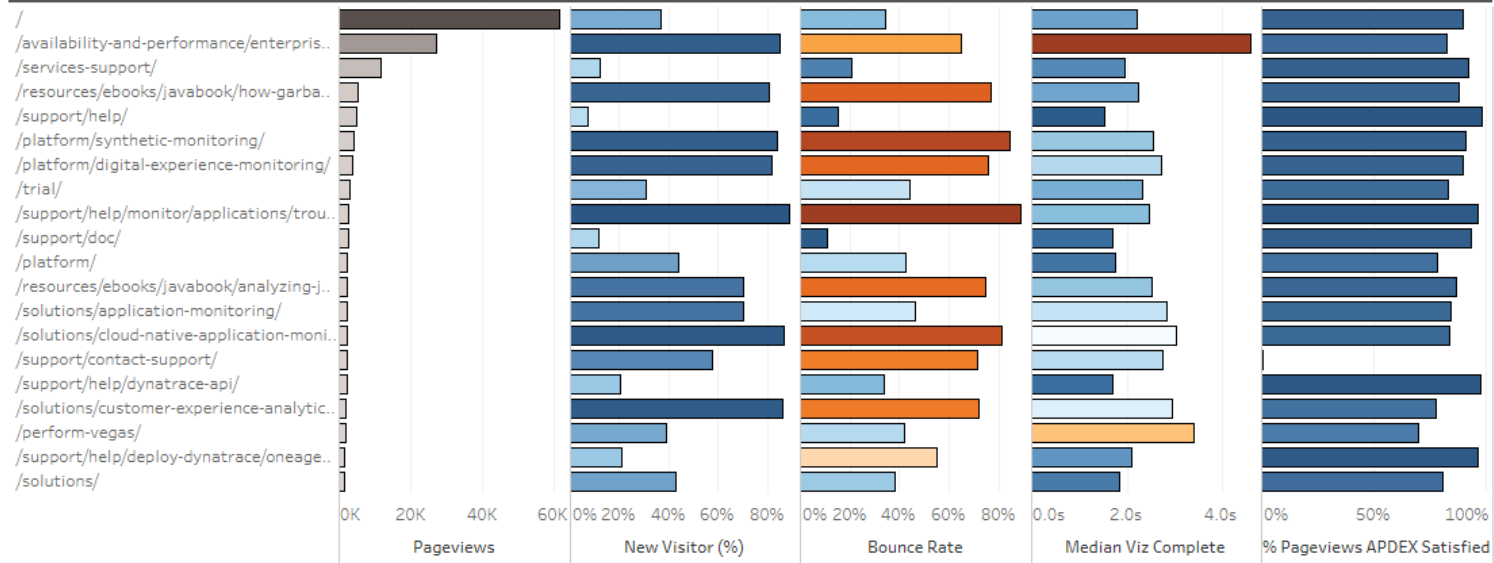
User Type
All ▼

Show Domain?
No ▼

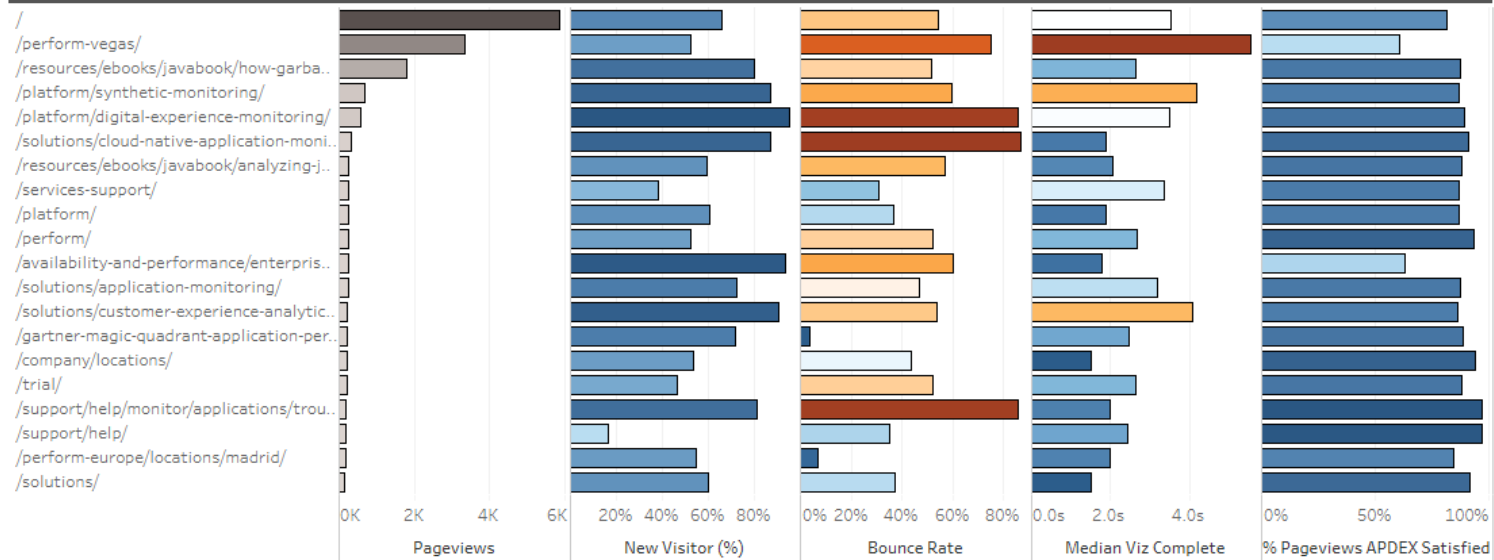
Show Speed Index?
Yes ▼

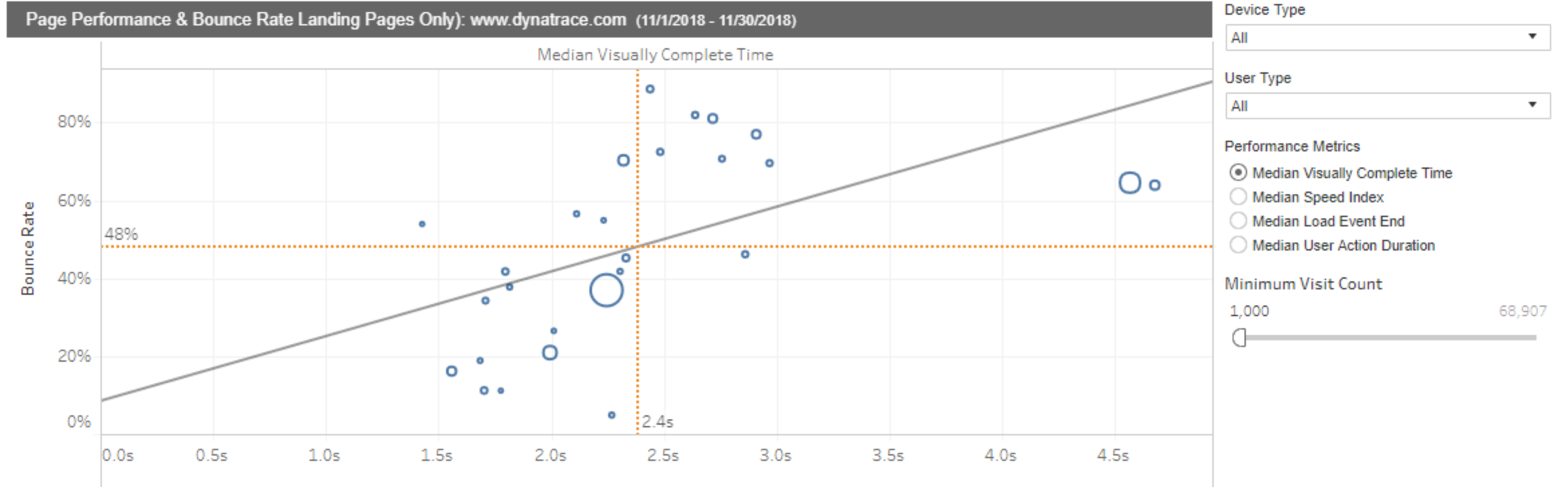
User Type: Show Domain?:

Top 20 Landing Pages on Desktop: www.dynatrace.com (11/1/2018 - 11/30/2018)



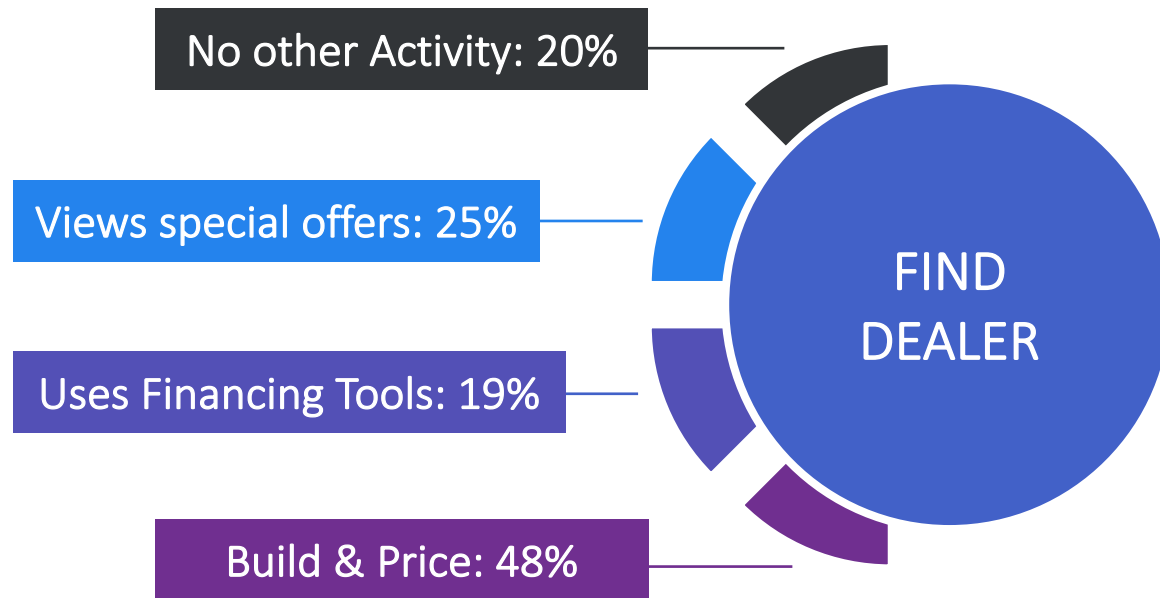
Top 20 Landing Pages on Mobile: www.dynatrace.com (11/1/2018 - 11/30/2018)



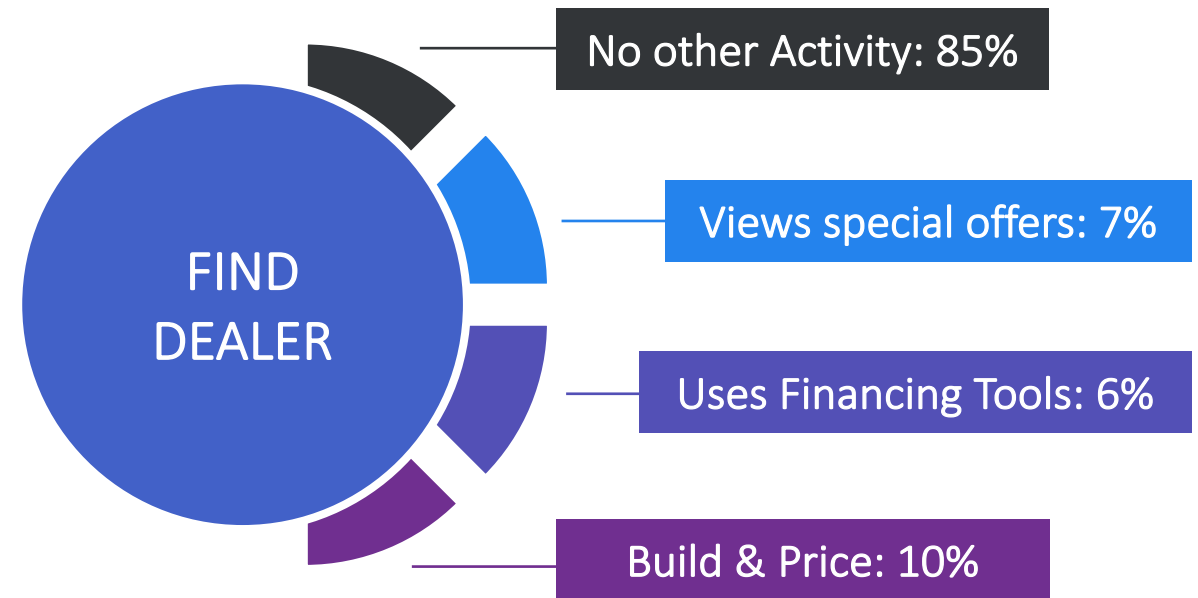


Top 100 Landing Pages Only. Data is shown for pages only. All XHR actions are excluded from analysis.







































BEFORE FINDING DEALER



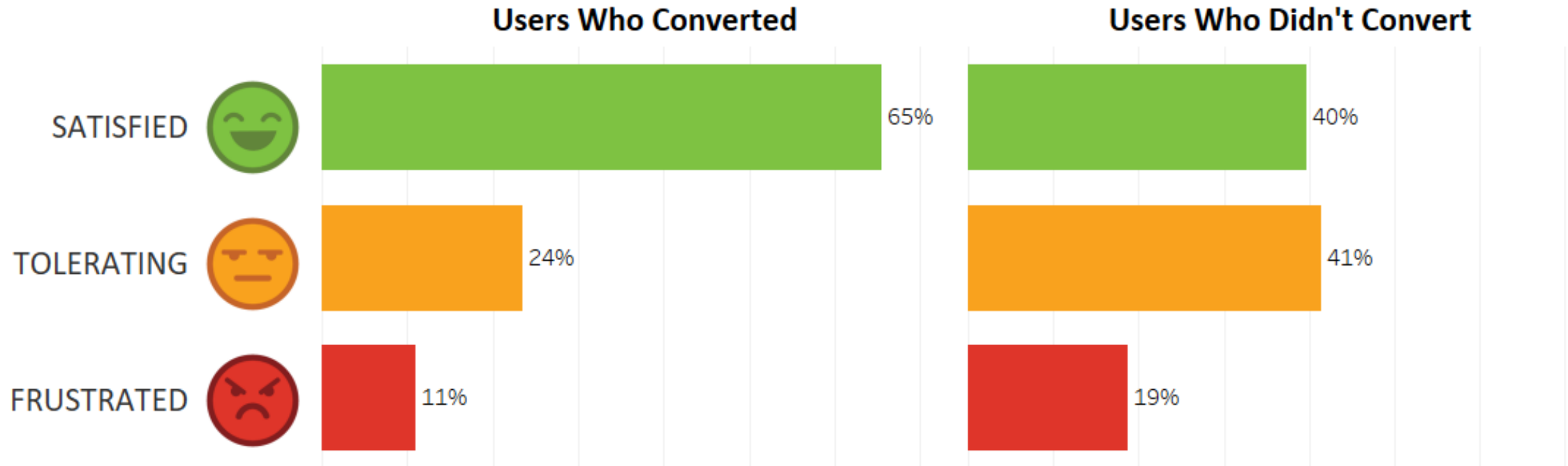
AFTER FINDING DEALER



ONSITE CONVERSION SUMMARY

Desktop/Tablet	Views Special Offers	 10.2%	 13.6%	 4.1	 1.3	 1.4
	Engages with Build & Price	 22.2%	 11.7%	 4.1	 1.3	 1.4
	Uses Financing Tools	 6.0%	 11.7%	 8.5	 1.4	 1.6
	Finds/Contacts a Dealer	 13.7%		 6.0	 1.3	 1.5
Mobile	Views Special Offers	 8.7%	 8.5%	 3.0	 1.3	 1.4
	Engages with Build & Price	 16.3%	 9.1%	 3.9	 1.3	 1.5
	Uses Financing Tools	 4.5%	 10.9%	 6.5	 1.3	 1.5
	Finds/Contacts a Dealer	 17.1%		 3.7	 1.2	 1.4
		Conversion Rate	Go on to Find a Dealer	Avg. Path Length	Avg. Days to Conversion	Avg. Visit Count

% PAGES/ACTIONS BY APDEX PERFORMANCE SCORE



TOP 15 MOST COMMON PATHS ON DESKTOP & MOBILE

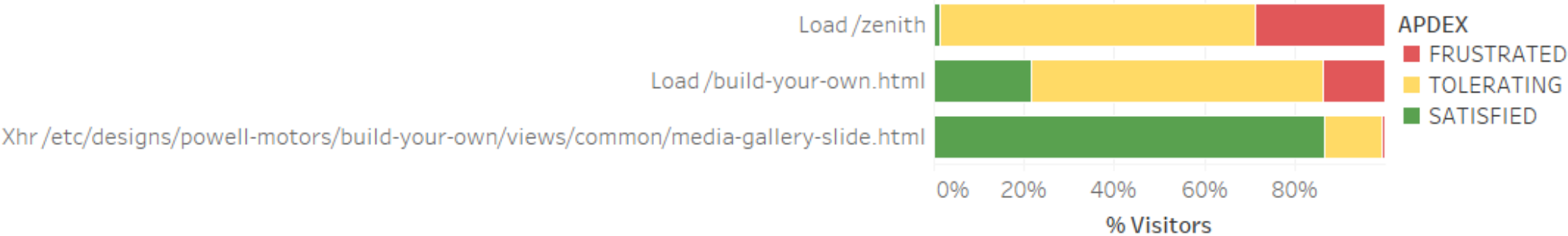
Page Path	Desktop/Tablet	Page Path	Mobile
Load / > Load /zenith	4K	Load /zenith > Xhr /services/dealers/distances/by/zipcode	4K
Load / > Load /special-offers/index.html	3K	Load / > Xhr /services/dealers/distances/by/zipcode	3K
Load / > Load /find-retailer/index.html	3K	Load /zenith > Load /ratings	2K
Load / > Load /vehicles/quicksand/index.html	3K	Load / > Load /zenith	2K
Load / > Xhr /services/dealers/distances/by/zipcode	3K	Load / > Load /vehicles/quicksand/index.html	2K
Load / > Load /vehicles/canyonero/index.html	3K	Load / > Load /ratings	1K
Load / > Load /ratings	2K	Load / > Load /mobile/special-offers/index.html	1K
Load / > Load /vehicles/mountie/index.html	2K	Load / > Load /vehicles/canyonero/index.html	1K
Load / > Load /vehicles/edison/index.html	2K	Load / > Load /vehicles/mountie/index.html	1K
Load /zenith > Load /ratings	2K	Load / > Load /vehicles/krb/index.html	1K
Load /find-retailer/index.html > Load /find-retailer/index.html	2K	Load /mobile/special-offers/index.html > Xhr /services/utility/geo..	1K
Load /zenith > Xhr /services/dealers/distances/by/zipcode	2K	Load /vehicles/index.html > Xhr /services/vehicles/models/2018	1K
Load / > Load /vehicles/krb/index.html	2K	Load / > Load /mobile/find-retailer/index.html	1K
Load /zenith > Load /build-your-own.html	1K	Load /zenith > Xhr /services/contact/updatesignup/	1K
Load /build-your-own.html > Xhr /etc/designs/powell-motors/build..	1K	Load / > Load /vehicles/edison/index.html	1K

*Only includes visits that did not bounce.

Page Path

Load /zenith > Load /build-your-own.html > Xhr /etc/designs/powell-motors/build-your-own/views/common/media-gallery-slide.html 1K

INDIVIDUAL PAGE PERFORMANCE OF PATH



PAGE ORDER

Select a page to see the next most common pages/actions

First Page/Action

Load /	274K
Load /zenith	83K
Load /index.html	67K
Load /vehicles/canyonero/index.html	58K
Load /vehicles/mountie/index.html	56K
Load /vehicles/quicksand/index.html	52K
Load /build-your-own.html	42K
Xhr /services/dealers/distances/by/zi..	34K
Load /vehicles/krb/index.html	31K
Load /vehicles/edison/index.html	28K

>

Second Page/Action

[NONE]	51K
Load /vehicles/quicksand/index.html	18K
Load /vehicles/canyonero/index.html	15K
Load /vehicles/mountie/index.html	14K
Xhr /services/dealers/distances/by/zip..	14K
Load /	13K
Load /vehicles/krb/index.html	12K
Load /vehicles/edison/index.html	12K
Load /build-your-own.html	11K
Load /zenith	11K

>

Third Page/Action

[NONE]	116K
Load /	11K
Xhr https://secure-akns.powell-motors..	7K
Xhr /etc/designs/powell-motors/build-..	6K
Load /build-your-own.html	6K
Xhr /etc/designs/powell-motors/build-..	6K
Xhr /etc/designs/powell-motors/build-..	4K
Load /vehicles/canyonero/index.html	4K
Load /vehicles/quicksand/index.html	4K
Load /vehicles/mountie/index.html	4K

>

Fourth Page/Action

[NONE]	154K
Xhr /etc/designs/powell-motors/build-..	7K
Load /	6K
Xhr /etc/designs/powell-motors/build-..	4K
Xhr /etc/tags/powell-motors/retailer-c..	3K
Xhr /bin/reverse-proxy	3K
Xhr https://secure-akns.powell-motors..	3K
Load /build-your-own.html	3K
Xhr /services/vehicles/models/marketi..	3K
Load /vehicles/canyonero/index.html	2K

Dashboarding Roadmap Highlights

- Dashboarding and reporting



Public dashboarding
(S161)



Total aggregation
(Q2/19)



Group sharing



WYSIWYG dashboard
editor (S158)



Single value tile (Q2/19)



Admin capabilities &
permissions



Markdown tile (S160)



Chart export via API
(Q2/19)



Dashboard subscription



Custom tile filters (S164)



Charting improvements
(Q2/19)



Dashboard import/export
API (Q1/19)



Common metric
interface (Q1/19)

started

next

targeted

Q&A



Thank you

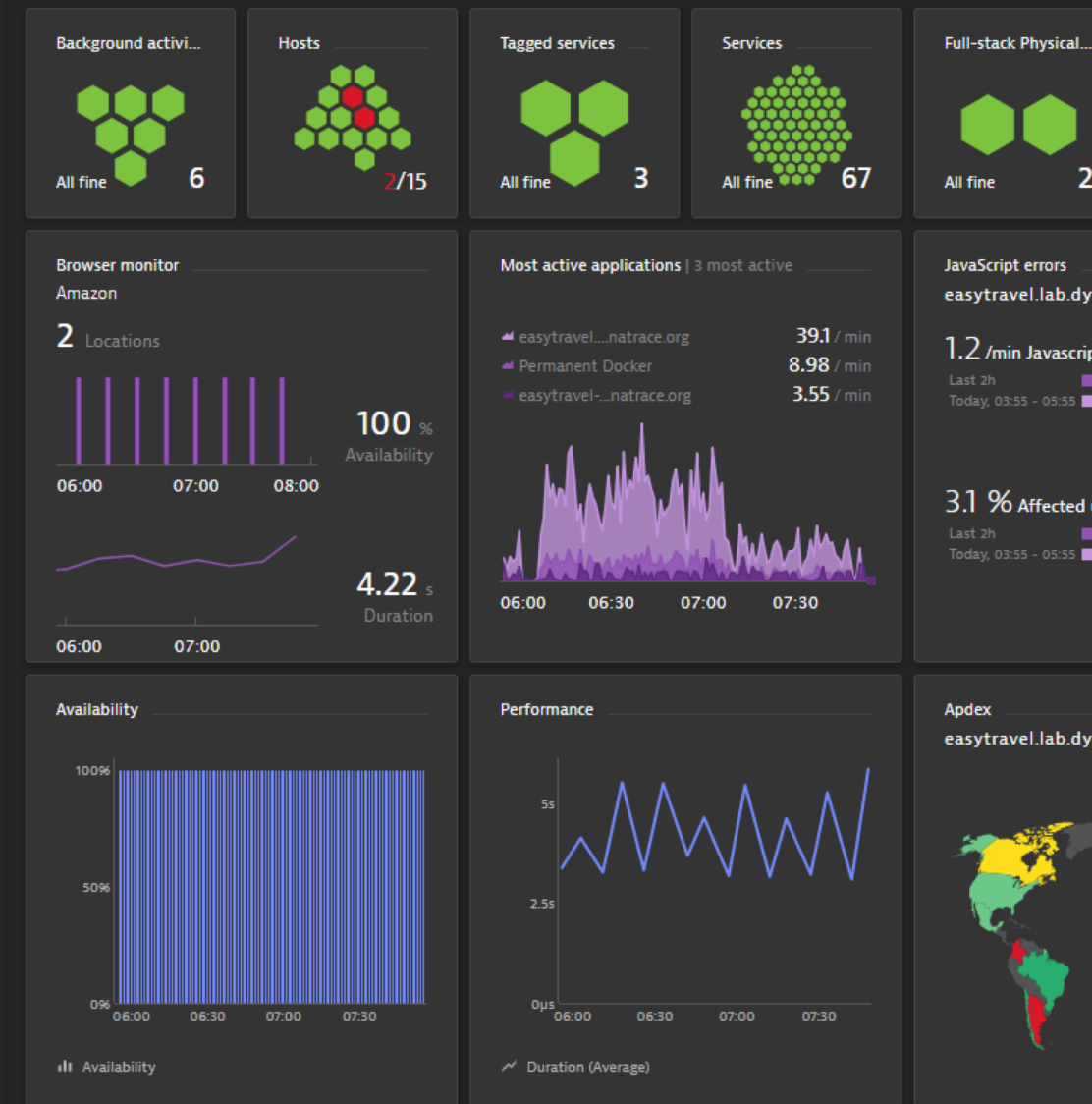
 dynatrace
Perform



Public dashboarding

- Advanced sharing feature
- Addresses reporting use cases
 - Dashboard access for external people
- Ideal for NOC screens
 - No sign-in required
- Secured access via auth-token

App overview



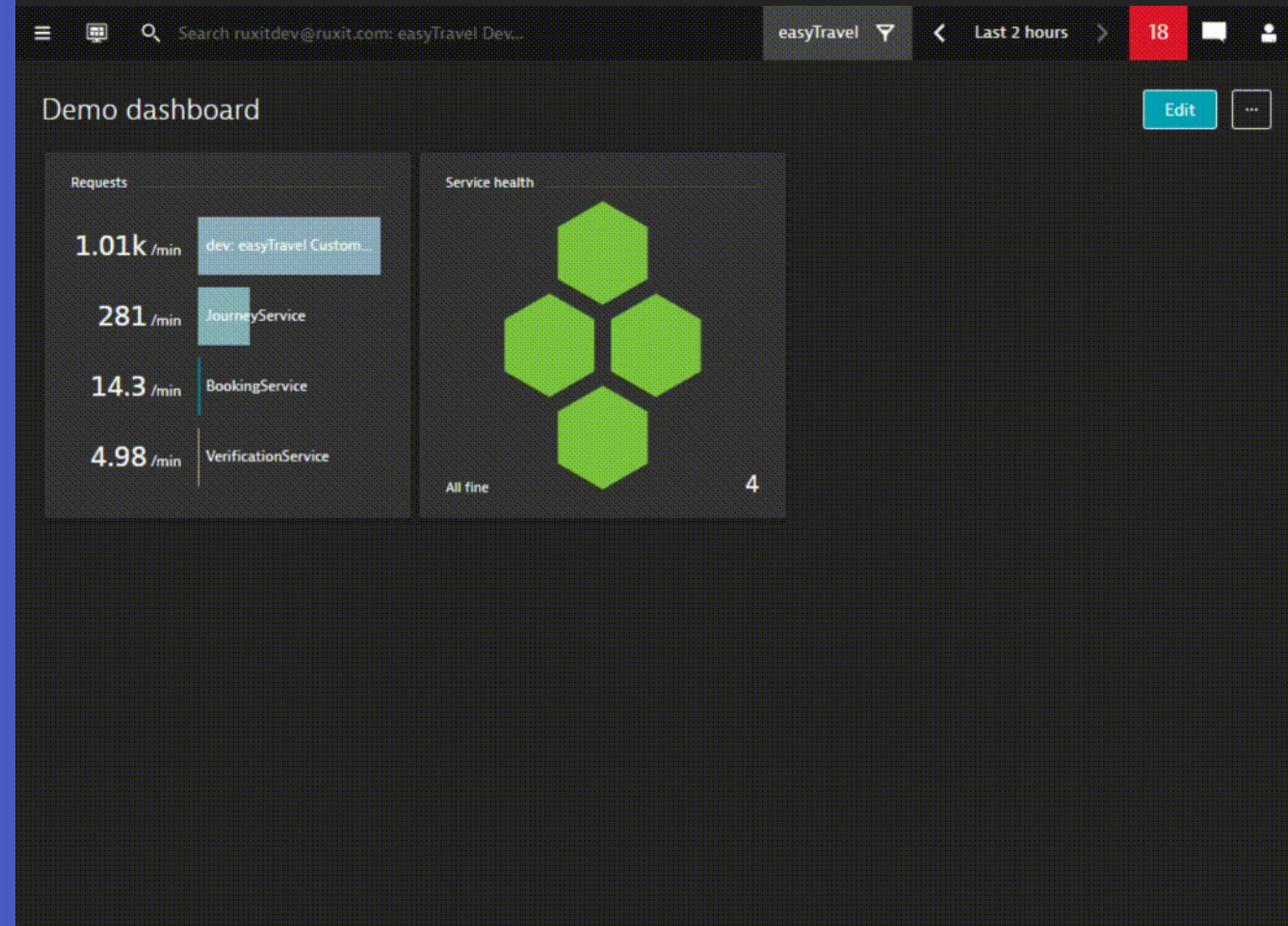


WYSIWYG dashboard editor

- Create dashboards faster
- “What you see is what you get” editor
- Add tiles via drag-and-drop
- Full touch support

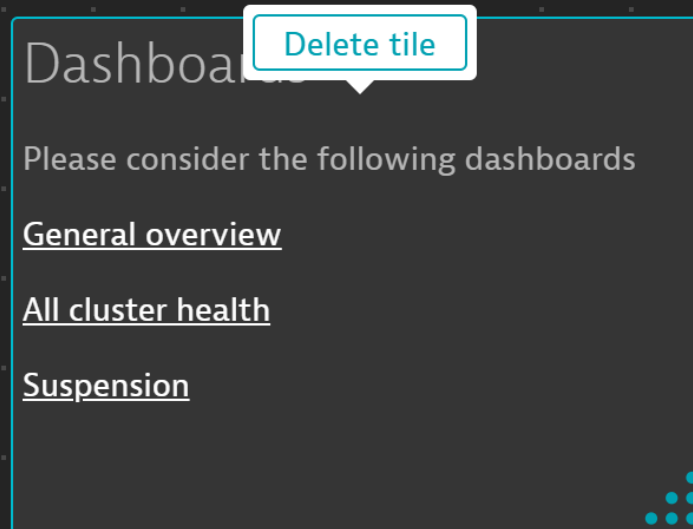
Blog post:

<https://www.dynatrace.com/news/blog/build-dashboards-faster-with-drag-and-drop-dashboard-editing/>



Markdown tile

- Rich text support
- Hyperlinks
- Images (at a later stage)
- Advances dashboarding use cases (overview → detail)



Markdown

Done

Markdown enables you to put rich text on a dashboard.

```
#Dashboards

Please consider the following
dashboards

[General overview]
(https://demo.dev.dynatracelabs.com/#edit;gtf=1\_2\_HOURS;id=0193ca81-bf21-4cf5-bf94-e15b64eafe80)

[All cluster health]
(https://demo.dev.dynatracelabs.com/#edit;gtf=1\_2\_HOURS;id=0193ca81-bf21-4cf5-bf94-e15b64eafe80)

[Suspension]
(https://demo.dev.dynatracelabs.com/#edit;gtf=1\_2\_HOURS;id=0193ca81-bf21-4cf5-bf94-e15b64eafe80)
```

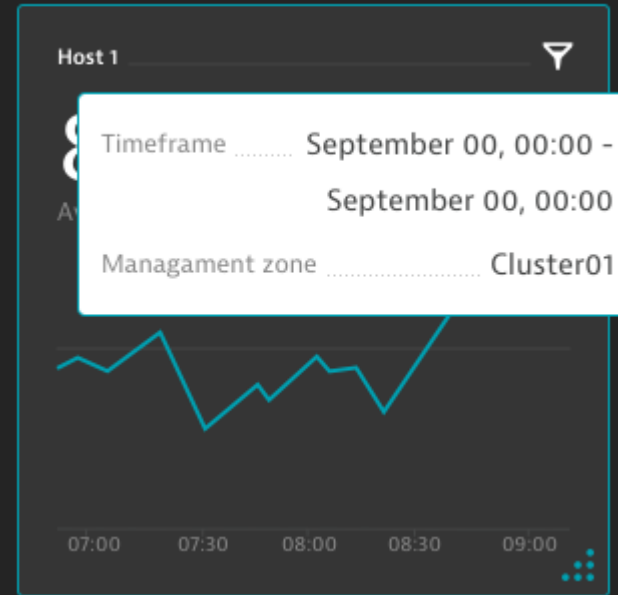
Timeframe Mode _____

☒ Use default timeframe

☐ Use comparison timeframe

🕒 Custom tile filters

- Override time frame per tile
- Override management zone per tile
- Optionally override default (inherit)
- Comparison use cases (this week / last week)
- Creation of overview dashboards
- Custom workflows in combination with the markdown tile



Custom chart tile

Done

Configure custom chart

✓ Advanced tile configuration

Timeframe

- ☐ Global timeframe
- ☐ Comparison timeframe
- ☒ Custom timeframe

Start

Sep 11, 9:45



End

Sep 11, 10:00



Management zone

Global management zone



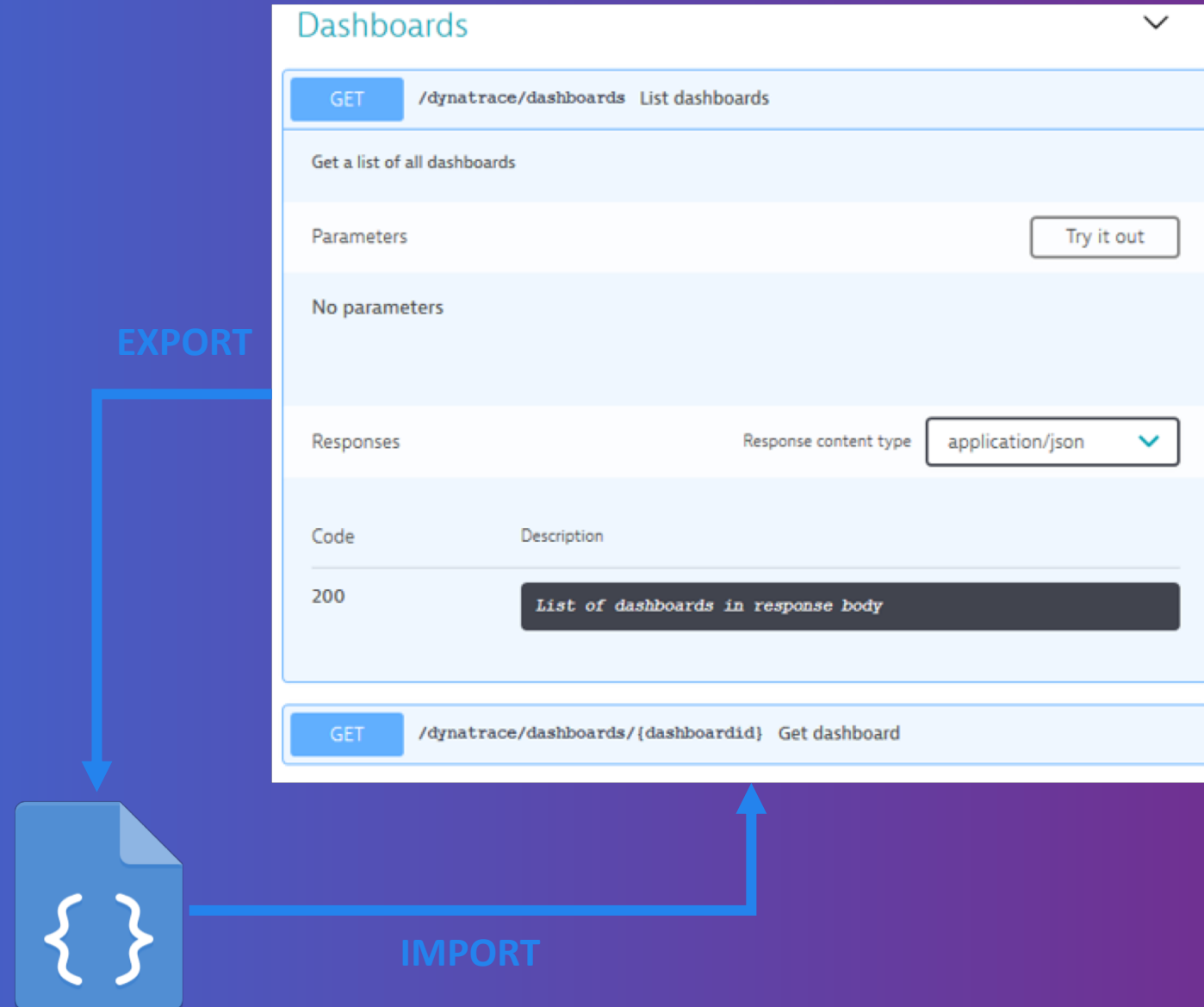


Dashboard import/export API

- Export existing dashboards to JSON
- Layout & chart configurations
- Dashboard CRUD operations

Use cases

- Provision new environments
- Dashboard templates





Common metric interface

- No more confusion about metrics
- Common interface for charting, alerting and public REST API

Improved metric picker

- Filter list of metrics
- Search metrics by structure

Advanced workflows

- Get REST call from chart configuration

Custom charting

Custom chart

Save changes to dashboard Export

Add metrics to see a chart.

Metrics

Done

Add metric

Category

All (521)

Metric

Select metric

AppMon - Failed Transaction Count of easyTravel Bookings by user (from localhost.l-02.com/test/test2/longtext)
Dynatrace BuiltIn > Azure > API Management

AppMon - Failed Transaction Count of easyTravel Bookings by user (from localhost.l-02.com/test/test2/longtext)
Dynatrace BuiltIn > Azure > API Management

AppMon - Failed Transaction Count of easyTravel Bookings by user (from localhost.l-02.com/test/test2/longtext)
Dynatrace BuiltIn > Azure > API Management

AppMon - Failed Transaction Count of easyTravel Bookings by user (from localhost.l-02.com/test/test2/longtext)
Dynatrace BuiltIn > Azure > API Management

Next topics

Single value tile

- Business reporting (KPIs)
- Single or multiple metrics
- Display total values
 - aggregated over time frame
 - aggregate across entities



Search your environment...

Demo Dashboard

host.example.org

80.7%

CPU usage (Average)

Service | Go Metron frame custom service

80.7%

Requests

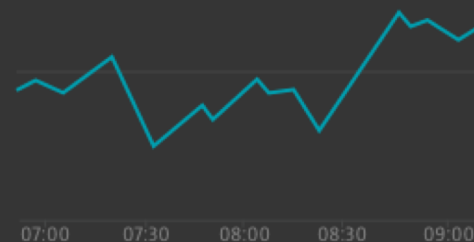
70%

Failure Rate

Host 1

80.7%

Average



Service | Go Metron frame custom service

4.8 k/min

Requests

Service | Go Metron frame custom service

4.8 k/min

Requests

50%

Failure Rate

8.8 ms

Response Time



Total aggregation

- Aggregate metrics across entities
- Drastically improves splitting capabilities
- Better business charts (e.g. pie charts)
- Great in combination with single value tile

Custom chart

Name Delete Details

Processes JVM GC time (Sum)



Chart type Aggregation

Line Sum

Dimensions



Process (default entity)



poolname

Start typing to filter



Process ID

Start typing to filter



gcname

Start typing to filter

Chart results

Filtered by cf:space: All

Showing 13 results.

Name JVM GC time (Sum)



tomcat easytravel-frontend | poolname = PS Eden Space

2.74 s



tomcat easytravel-frontend | poolname = PS Eden Space

2.43 s