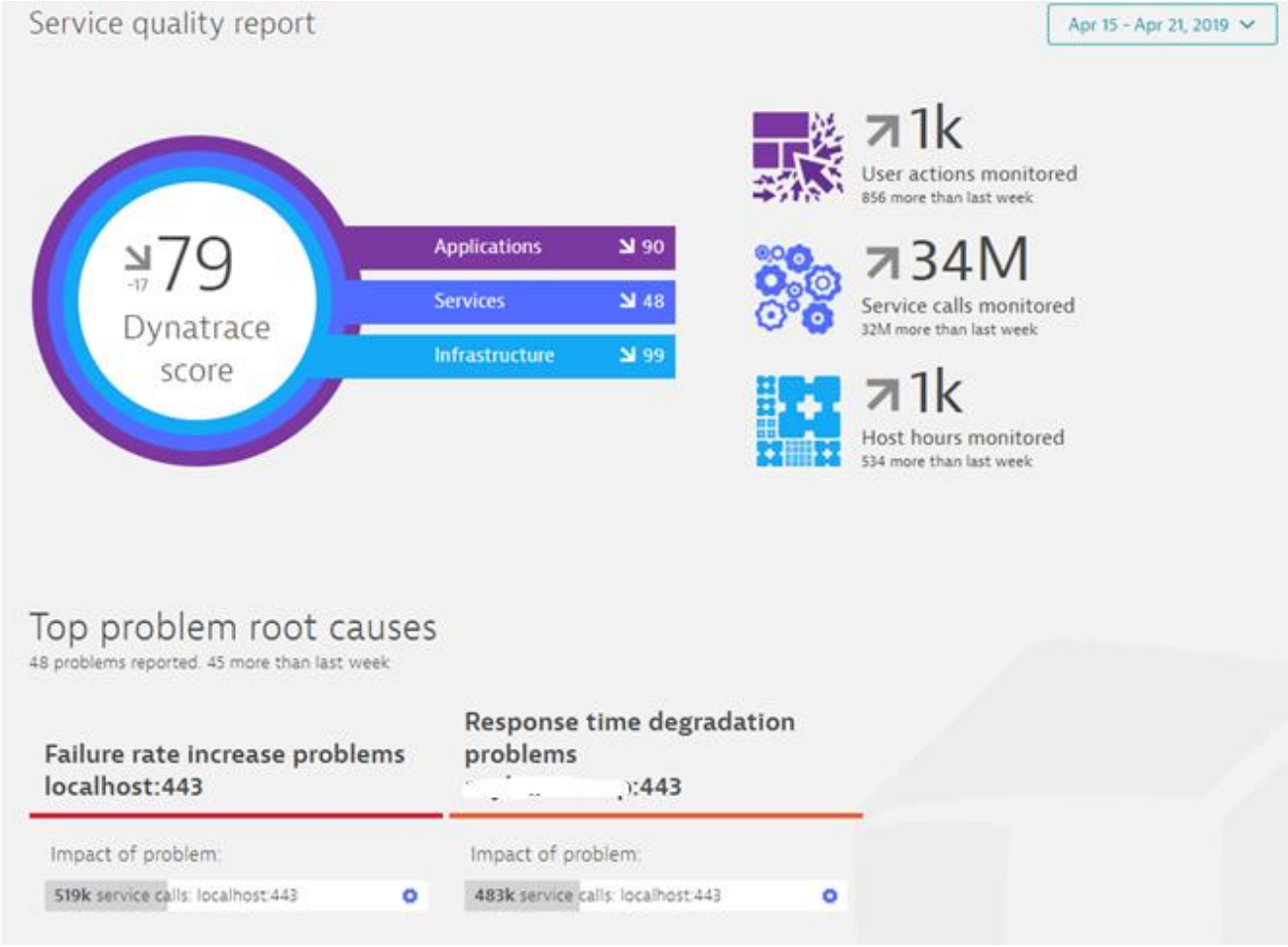
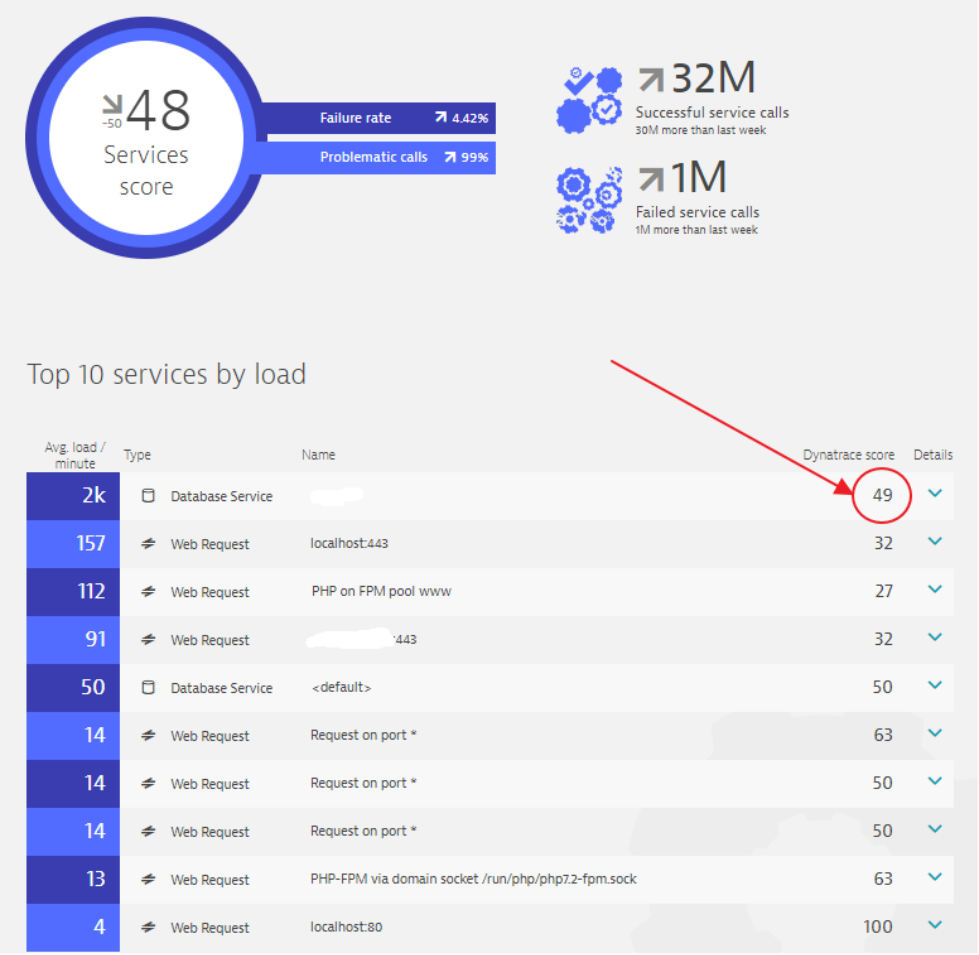
https://www.linkedin.com/in/inafev/

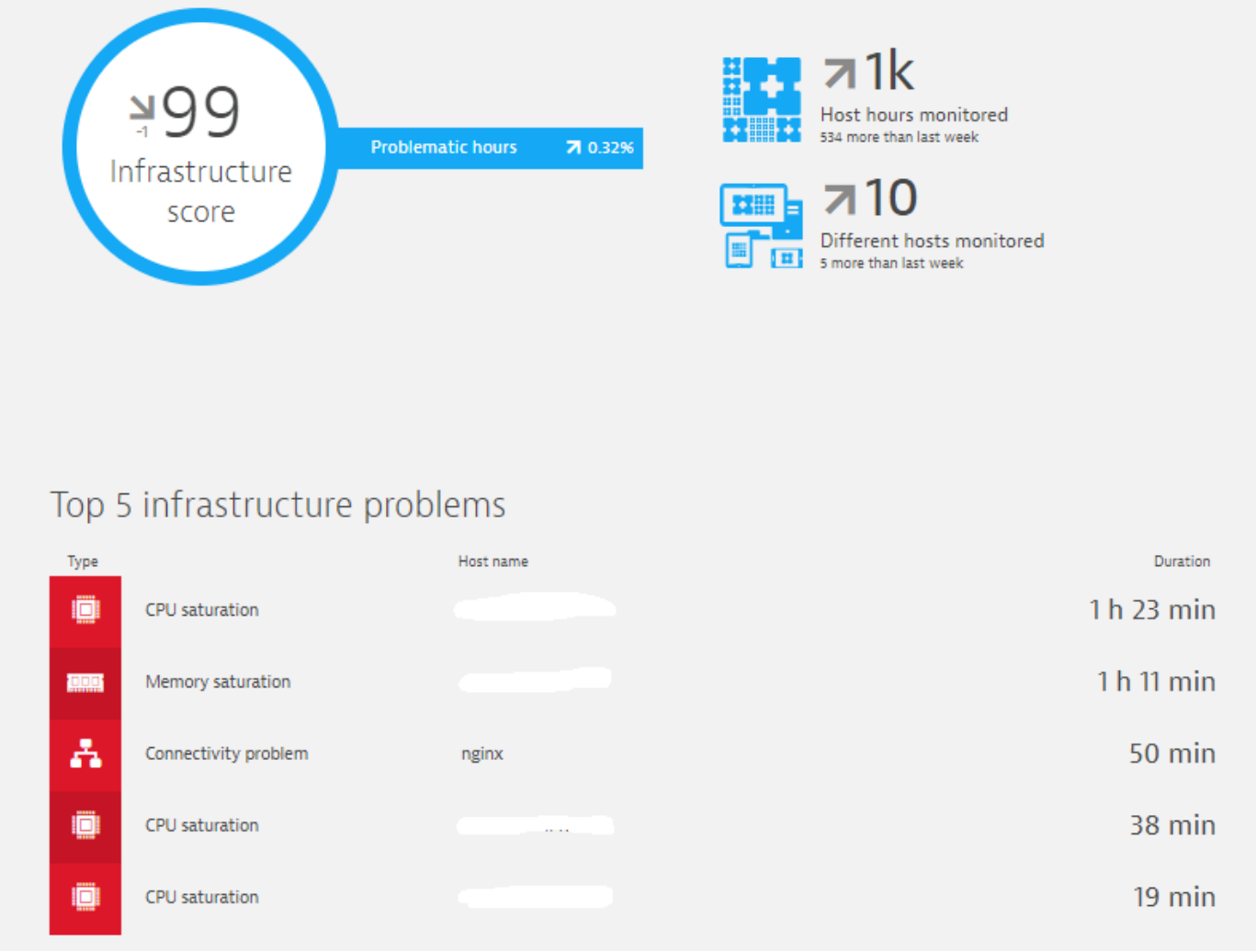
Dynatrace APM Screenshots
Example of a non-containerized app running on Azure without scalable infrastructure. Performance Tests with OctoPerf.

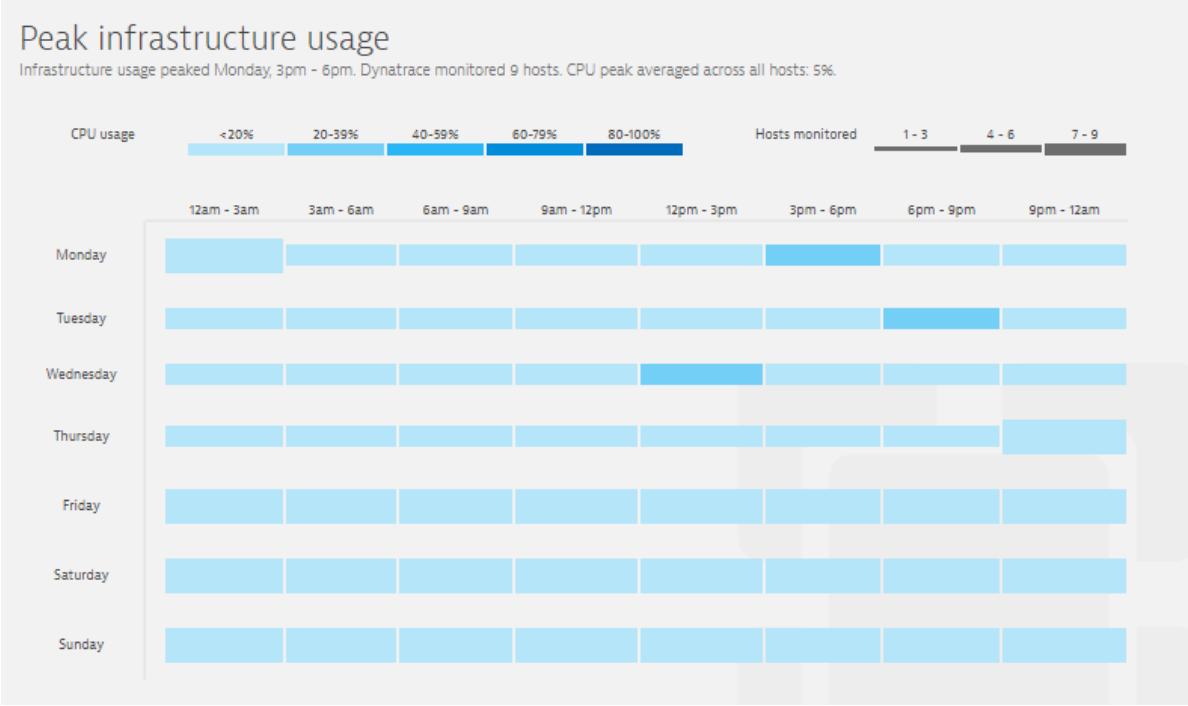
Major issue shown: Database is overloaded during the performance tests because user sessions are saved in mysql database (default setting in Joomla CRM).
Two nodes database is setup as 1 master + 1 replica for backup purposes and without load balancing.
CDN/WAF is not located in Azure and cannot be monitored by Dynatrace.
Not enough "dummy" users are created in the app (registered in Joomla+database). Around the same 10 users are used during the performance test, each one with a unique login/session). Octoperf runs all the tests with shared sessions (~10 users).
The goal of 40k-140k users per hour is excessive (with several workflows/use cases per session).



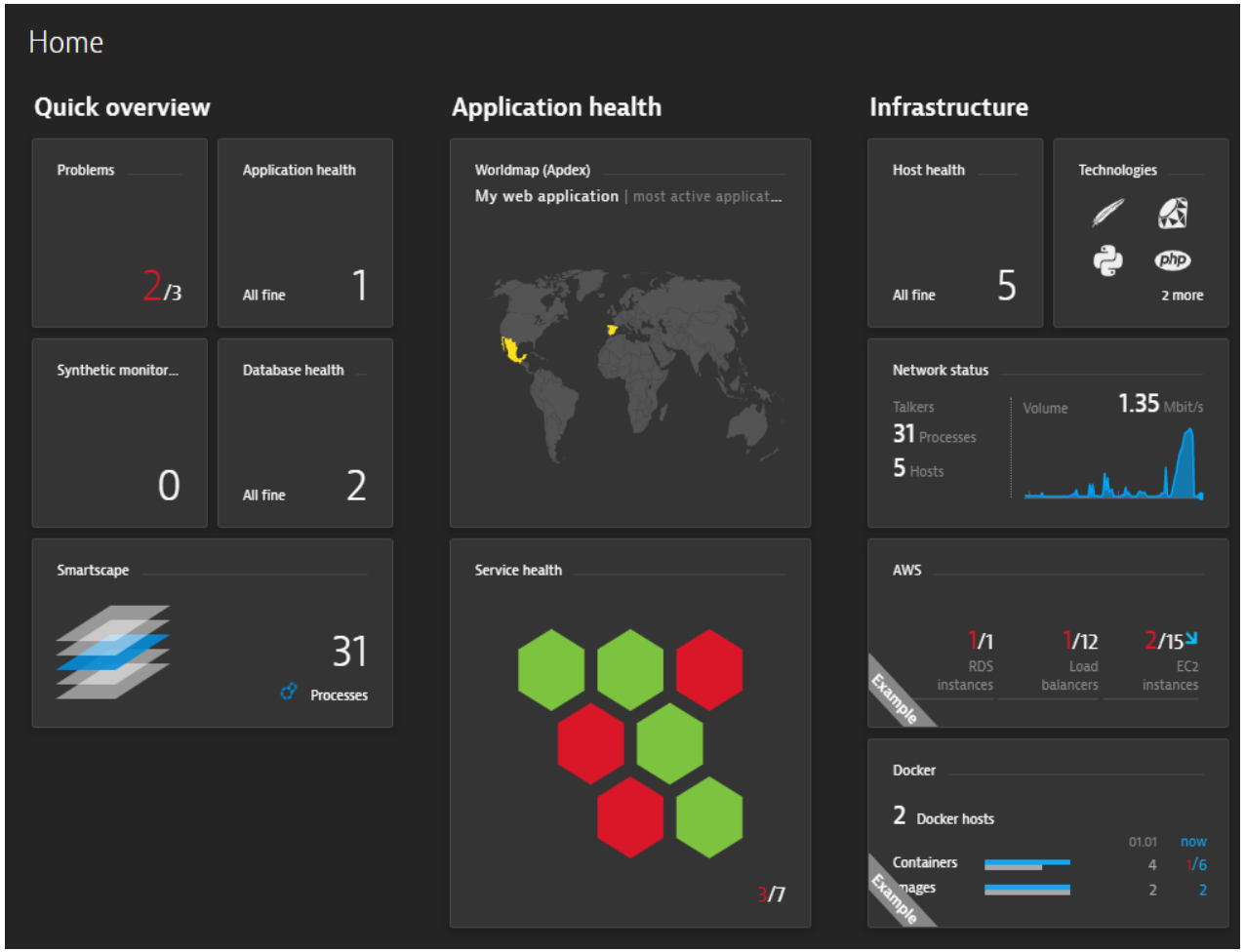


Dynatrace APM Screenshots





Dynatrace APM Screenshots



Dynatrace APM Screenshots

Dynatrace APM Screenshots

All monitored services

7 services

Custom service settings

Showing current values

Filtered by:

PHP on FPM pool www	localhost:443	[redacted]443
PHP-FPM	Apache Web Server apache*	nginx
PHP-FPM	Apache Web Server apache*	nginx
Requests 623/min	Requests 578/min	Requests 313/min
Response time median 917ms	Response time median 933ms	Response time median 978ms
Request on port *	Request on port *	Request on port *
[redacted]	[redacted]	[redacted]
Requests 32/min	Requests 28/min	Requests 22/min
localhost:80		
Apache Web Server apache*		
Apache Web Server apache*		
Requests 3/min		

Problems > Problem 683

2 services: Response time degradation

Problem 683 detected at 16:35 (open for 23 minutes).

Affected applications –

Affected services 2

Affected infrastructure –

Business impact analysis

An analysis of all affected service calls and impacted real users during the first 30 minutes of the problem shows the following potential impact.

0 Impacted users

338k Affected service calls

Affected entry point services

[redacted]443
Static web request resource (100 % affected)
Dynamic web request reso... (100 % affected)
248k Affected service calls

localhost:443
/status (100 % affected)
Dynamic web request reso... (51 % affected)
89.6k Affected service calls

Show less

3 problems matching selected filter

Set up notifications

Filtered by:

2 services Response time degradation — Problem 683	2 services Response time degradation — Problem 871	[redacted] Slow disk — Problem 157
Since 16:35 for 22 minutes	Since 15:46 for 1 hour 11 minutes	From 15:50 - 15:55 for 5 minutes
Impacted services [redacted]443, PHP on FPM pool www	Impacted services PHP on FPM pool www, localhost:443	Impacted components [redacted]
Impact 411 requests/min affected all dynamic requests	Impact 60.2 requests/min affected all dynamic requests	
Root cause [redacted]443 - Response time degradation PHP on FPM pool www - Response time degradation	Root cause PHP on FPM pool www - Response time degradation	

Problems > Problem 683

5 services: Multiple service problems

Problem 683 detected at 16:35 (open for 2 hours 6 minutes).

Affected applications –

Affected services 5

Affected infrastructure –

Business impact analysis

An analysis of all affected service calls and impacted real users during the first 1 hour 1 minute of the problem shows the following potential impact.

0 Impacted users

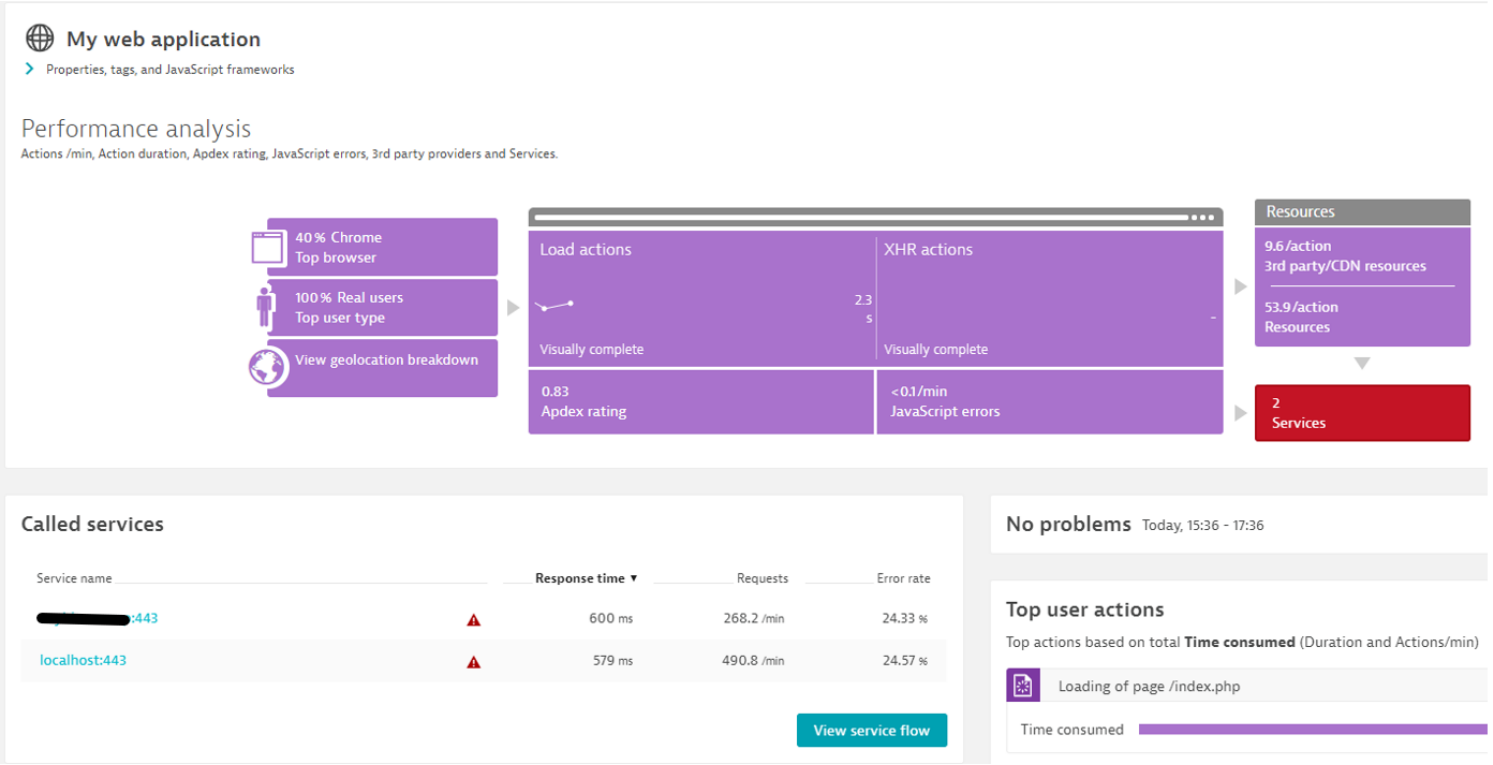
1.22M Affected service calls

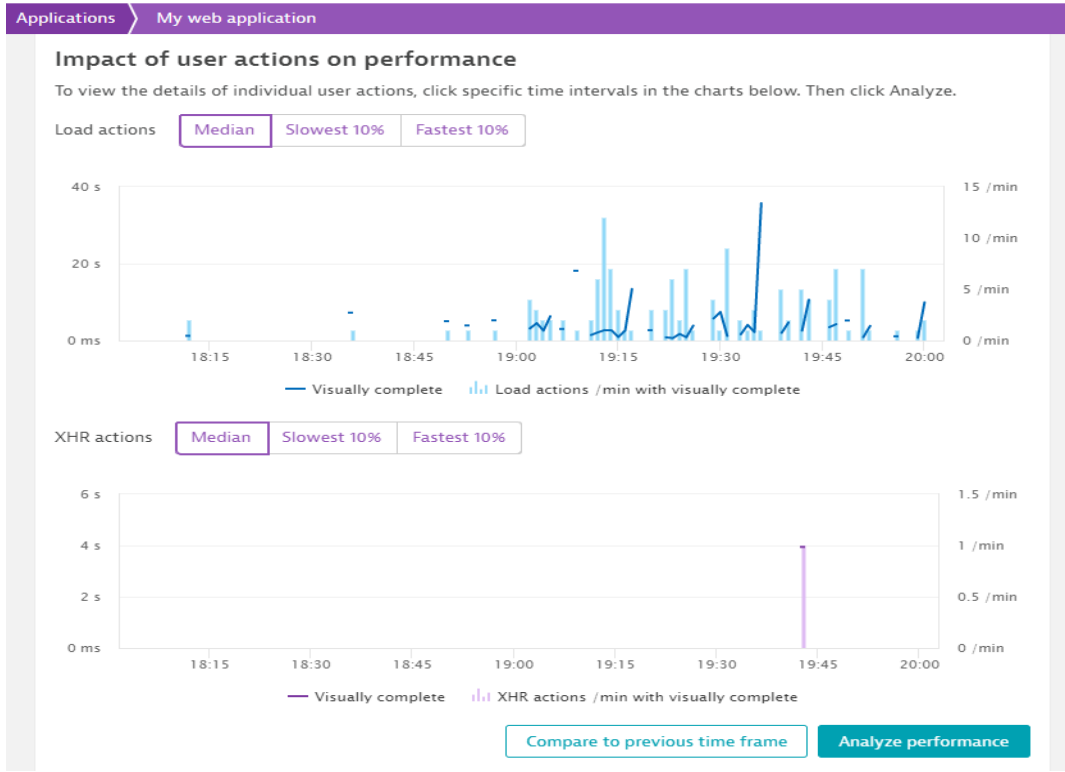
Affected entry point services

[redacted]443
/ (34 % affected)
Dynamic web request reso... (100 % affected)
Static web request resource (100 % affected)
722k Affected service calls

localhost:443
Dynamic web request reso... (51 % affected)
JavaScript (92 % affected)
/index.php (36 % affected)
502k Affected service calls

Dynatrace APM Screenshots





Dynatrace APM Screenshots

Transactions & services > [redacted]:443 > Details > PurePaths > PurePath

:443' PurePath

Start time
2019 May 6 21:59:42
Response time
15.3 s
Total processing time
15.3 s

Breakdown of PurePath processing time

- 15.2 s other
- 104 ms CPU

Top findings

- 2 databases consuming 14.4 s
- PHP Warning JDatabaseExceptionConnecting
- 36 Req 2 Svc / 1 Req 1 Svc / 1 Req 1 Svc
- 2 proxies used by 2 services
- 39 requests of 5 services

Search name, url, sql, attribute,... 1 match

/administrator/index.php :443
/administrator/index.php :443
/administrator/index.php
PHP on FPM pool www
SET @@SESSION.sql_mode = '******'; /* replica
SELECT `data` FROM `wns_session` WHERE `session_id` = '******'
SHOW FULL COLUMNS FROM `wns_users`
SELECT * FROM `wns_users` WHERE `id` = '******'
SELECT ... FROM `wns_usergroups` AS g INNER JOIN `wns_user_usergroup...
SELECT ... FROM `wns_extensions` WHERE `type` = '******' AND `state`...
SELECT id, rules FROM `wns_viewlevels`
SELECT b.id FROM wns_user_usergroup_map AS map LEFT JOIN wns_usergr...
SELECT ... FROM wns_extensions WHERE enabled = '******' AND type = '*...

/administrator/index.php

Show in fullscreen | Close details

Summary | Timing | Errors | Code level | Analyze

Search name, url, sql, attribute,...

	Elapsed	Self time	Duration
PHP Execution /administrator/index.php	+568 ms	279 ms	14.7 s
10 stack frames expand			
mysqli_connect	+570 ms	19.2 ms	19.2 ms
JDatabaseExceptionConnecting	+575 ms		
	+590 ms	1.47 ms	1.47 ms
	+590 ms		1.47 ms
	+592 ms	702 µs	702 µs
	+593 ms	629 µs	629 µs
	+593 ms		629 µs

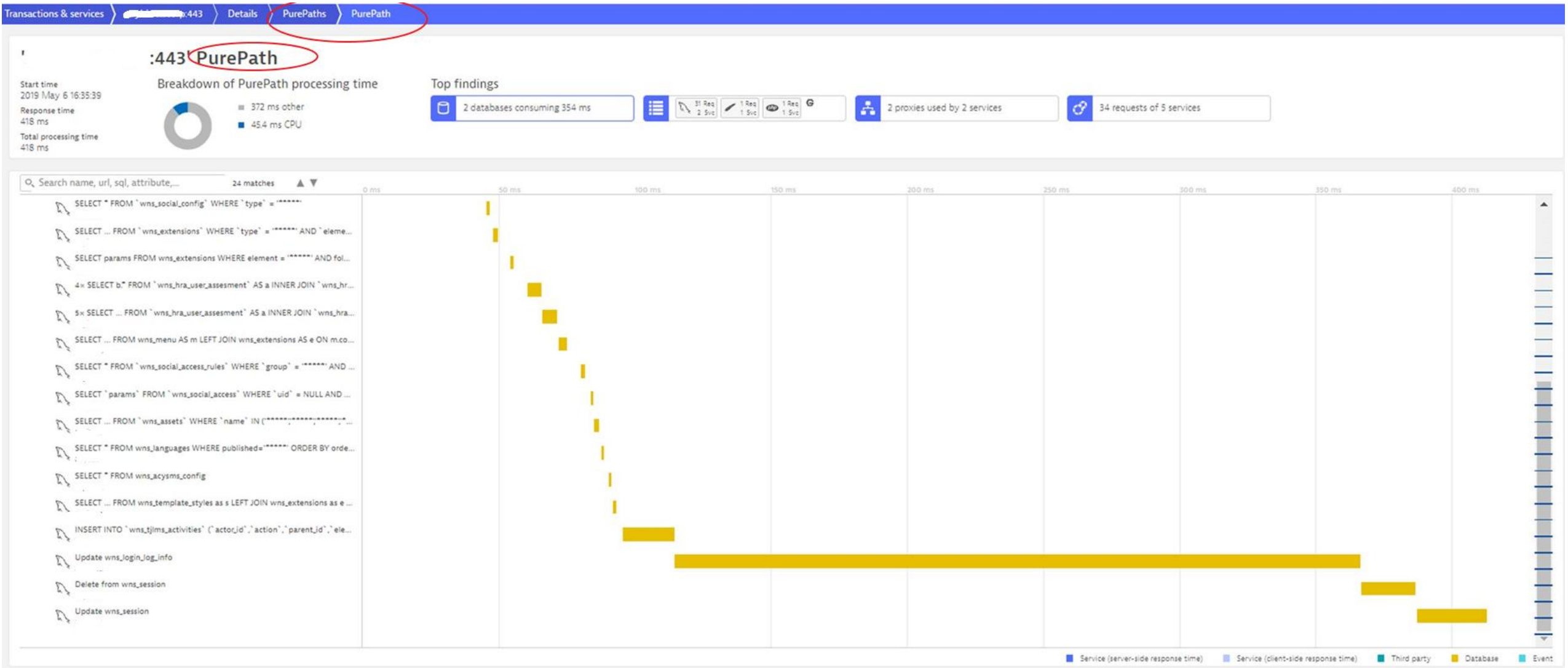
Timing

Start time 2019 May 6 21:59:42.000

Metadata

Exception JDatabaseExceptionConnecting
Message Could not connect to MySQL server.

Dynatrace APM Screenshots



Dynatrace APM Screenshots

Transactions & services > [redacted]:443 > Details > PurePaths > PurePath

[redacted]:443' PurePath

Start time
2019 April 11 16:44:08
Response time
821 ms
Total processing time
821 ms

Breakdown of PurePath processing time

598 ms other
223 ms CPU

Top findings

- 4 services with failures
- 2 databases consuming 579 ms
- MySQLi::QueryError
  JDatabaseExceptionExecuting
  PHP error
- 138 Req 2 Svc
- 1 Req 1 Svc
- 1 Req 1 Svc
- 2 proxies used by 2 services
- 141 requests of 5 services

Search name, url, sql, attribute,...

0 ms | 100 ms | 200 ms | 300 ms | 400 ms | 500 ms | 600 ms | 700 ms | 800 ms

- 7× SELECT `id` FROM `wns_finder_types` WHERE `title` = '*****' [redacted]
- SELECT group_id FROM wns_user_usergroup_map WHERE `user_id` ='*****' [redacted]
- SELECT ... FROM `wns_users_company` WHERE (nif LIKE '*****' OR nif LI... [redacted]
- 2× Insert into wns_user_usergroup_map [redacted]
- Insert into wns_jsn_users [redacted]
- Delete from wns_plg_max_login_attempts [redacted]
- Delete from wns_session [redacted]
- SELECT ... FROM `wns_users` WHERE `username` LIKE '*****' AND `pas... [redacted]
- 3× SELECT `id` FROM `wns_users` WHERE `username` = '*****' LIMIT 1 [redacted]
- select id from wns_users where email = '*****' [redacted]
- INSERT INTO `wns_tjlms_activities` (`action`,`parent_id`,`element`,`ele... [redacted]
- 2× SELECT `username` FROM `wns_users` WHERE `username` = '*****' [redacted]
- Insert into wns_login_log_info

Timing

Client-side start time ..... 2019 Apr 11 16:44:08.[illegible]
Client-side response time ..... 64.4 ms

Metadata

Fetches 1
Rows returned 1

Show details

Service (server-side response time) | Service (client-side response time) | Third party | Database | Event

Dynatrace APM Screenshots

Databases > [redacted] > Details > Failure analysis

Today, 16:01 - 16:03 | Apply

PHP on FP... → [redacted] | Remove filter

3.86k
Failed requests

Reasons for failed requests

Following are the reasons for failed requests. Click a specific reason to view the exception message and code-level details.

Reasons for failed requests		Failed requests
MySQLi::QueryError	100 %	3.86k
Lock wait timeout exceeded; try restarting transaction	90 %	3.48k
Deadlock found when trying to get lock; try restarting transaction	9.84 %	380

Requests that failed with MySQLi::QueryError

	Failed requests ▾
Delete from wns_session	3.69k
Update wns_session	121
Insert into wns_session	55

Root causes for requests that failed with MySQLi::QueryError

100 % were caused by MySQLi::QueryError

Details

Dynatrace APM Screenshots

Detailed analysis of MySQLi::QueryError

Yesterday, 15:10 - 17:10 (2 Hours) | Apply

Exception: MySQLi::QueryError | Add filter

Filter for exception messages

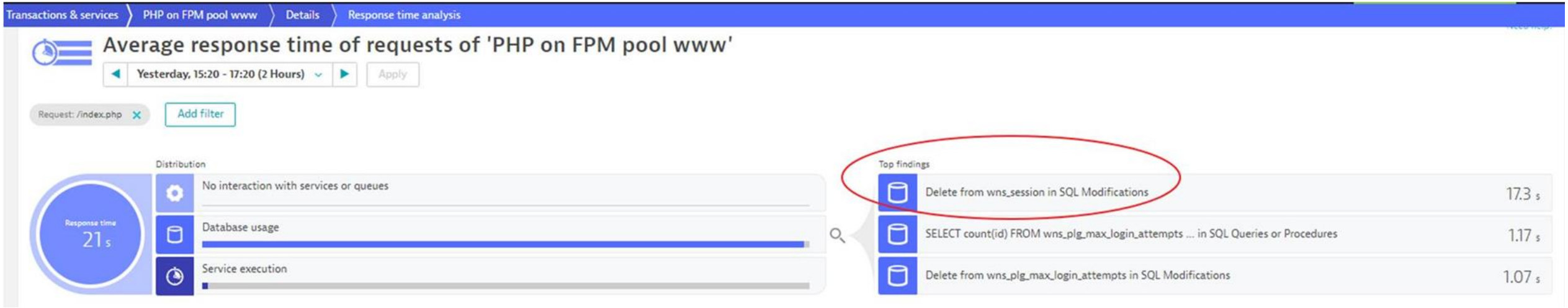
Message	Total impacted	Count
Lock wait timeout exceeded; try restarting transaction		25.4k
Deadlock found when trying to get lock; try restarting transaction		5.14k
Unknown system variable 'storage_engine'		4

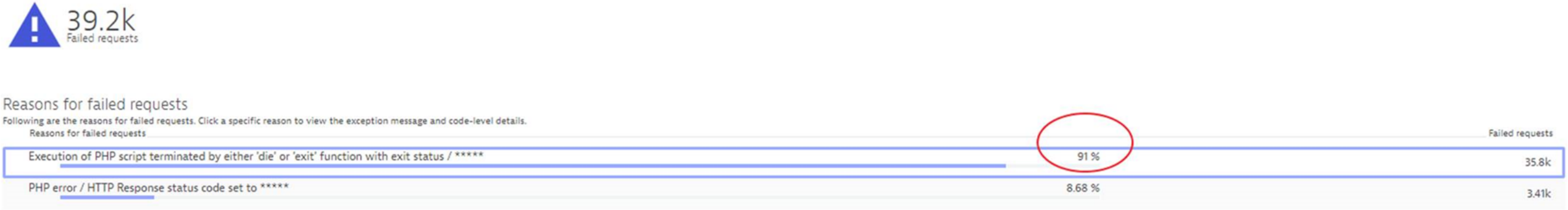
Stacktraces | Affected requests (8)

Search

Method	Contribution	Count
mysqli.php mysqli_query PHP		30.6k
mysqli.php JDatabaseDriverMysqli.execute PHP | /var/www/html/libraries/joomla/database/driver		30.6k
ssowebservices.php SsowebservicesModelSsowebservices.logoutUserFromOtherWorkStation PHP | /var/www/html/components/com_ssowebservices/models		27.9k
MetadataManager.php Joomla\CMS\Session\MetadataManager.createRecordIfNonExisting PHP | /var/www/html/libraries/src/Session		1.72k
database.php JSessionStorageDatabase.write PHP | /var/www/html/libraries/joomla/session/storage		738
database.php JSessionStorageDatabase.gc PHP | /var/www/html/libraries/joomla/session/storage		166
driver.php JDatabaseDriver.updateObject PHP | /var/www/html/libraries/joomla/database		18
jsn_users.php PlgUserJsn_Users.onUserAfterSave PHP | /var/www/html/plugins/system/extlyblueitsca/plugins/user/jsn_users		12
adminer-4.7.1-mysql-en.php mysqli.query PHP | /var/www/html		4
2 stack frames expand		
index.php index.php PHP		4

Dynatrace APM Screenshots





Dynatrace APM Screenshots

Top 100 user actions

Show me the top 100 user actions based on total time consumed

Start typing to filter user action and domain names...

Type	User action	Total time consumption	Duration	Actions	JavaScript errors	Apdex
	Loading of page /index.php		Visually complete: 1.27 s	0.26 /min	0.02 /min	Good
	Loading of page /administrator/index.php		Visually complete: 1.67 s	0.13 /min	<0.01 /min	Good
	Loading of page /		Visually complete: 0.93 s	0.16 /min	0.00 /min	Fair
	Loading of page /administrator/index.php		Visually complete: 0.73 s	0.04 /min	0.00 /min	Excellent
	/index.php		Visually complete: 0.39 s	0.06 /min	<0.01 /min	Fair
	Loading of page /administrator/		Visually complete: 1.96 s	<0.01 /min	0.00 /min	Excellent
	/administrator/index.php		Visually complete: -	<0.01 /min	0.00 /min	Unknown

Delete from wns_session in SQL Modifications

PHP on FPM pool www

Response time	21 s

41%

2.12 ×

Delete from wns_session

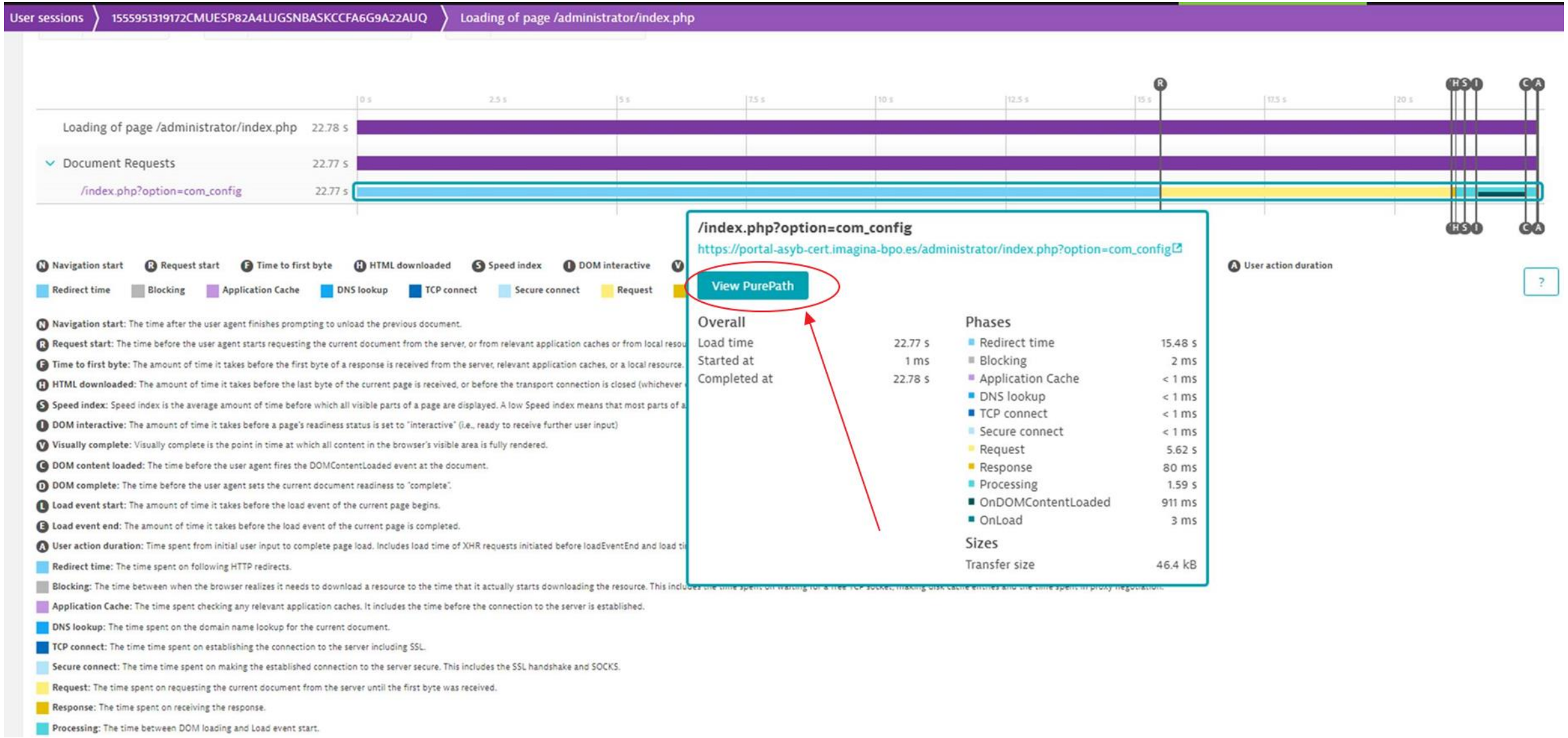
	Response time	19.7 s
×	Percentage of calls	41 %
×	Invocations per call	2.12 ×
=	Response time contribution	17.3 s

41% of the requests call Delete from wns_session (averaging 2.12 calls per request).

Database statements of Delete from wns_session

delete from `wns_session` where `username` like '*****'	17.3 s
delete from `wns_session` where `session_id` = '*****'	33.7 ms

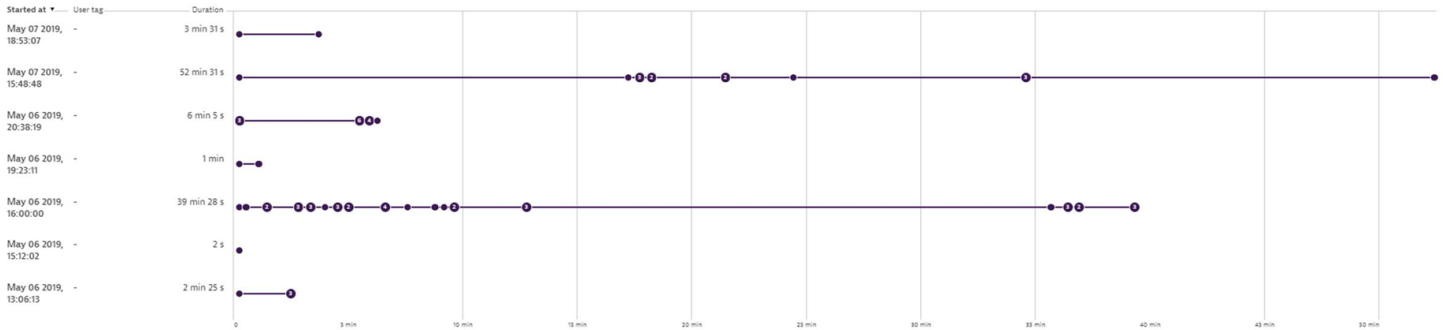
Dynatrace APM Screenshots



Dynatrace APM Screenshots

7 anonymous user sessions

Analyze sessions based on user tag and select a second category



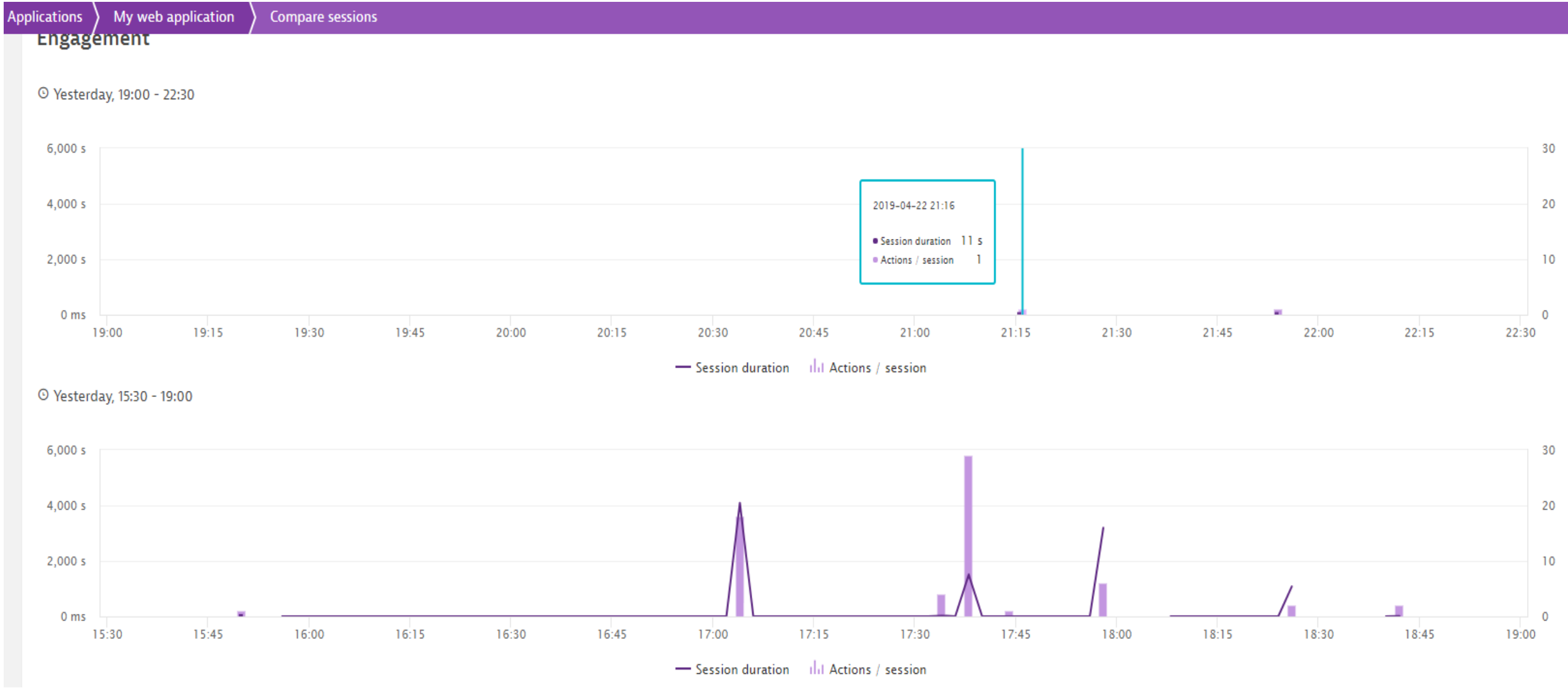
User sessions

Chart results over time . Show a resolution of 2 hours

Showing last 32 of 32 users with 67 user sessions (including 0 live sessions)

Type	User	Location	Avg. actions / session	Avg. session duration	Total session count	Live sessions	Errors & crashes
	Anonymous (15571407744950BSEEI4NO5CHFLVMUU2MA79JSHBLMN25)	Spain, Madrid, Madrid	10.57	15 min	7	-	7
	Anonymous (15571419182451523UT0D0L1K948EDVE7646DEECQTF0E)	Spain, Madrid, Madrid	9.50	8 min 48 s	6	-	10
	Anonymous (1555951319172CMUESP82A4LUGSNBASKCCFA6G9A22AUQ)	Spain, Madrid, Madrid	34.00	38 min 18 s	5	-	4
	Anonymous (1557140470996FOHK05D3DF13DGJVCHJGMS67Q0NHR9VV)	Spain, Madrid, Madrid	5.40	18 min 46 s	5	-	2
	Anonymous (15560048237144LLH0HNH1318DUF5U5JPOCRCRK13J3VJ)	Spain, Madrid, Madrid	41.00	26 min 51 s	4	-	5
	Anonymous (155715112952908AE322ELL185OS1C9N91U1IO7KN0QE6)	Spain, Madrid, Madrid	20.00	15 min 39 s	3	-	4
	Anonymous (155715112980447O7E9397B2OSPKN1EHK14EFJ6HU57ID)	Spain, Madrid, Madrid	9.67	21 min 30 s	3	-	1
	Anonymous (1557141112891K4OG4DTGCFMNJQB3OVC0CDVT1C8OPL43)	Spain, Madrid, Madrid	7.00	3 min 33 s	2	-	0
	Anonymous (1557151101363LRCTS3IHFPI7M595EF1RGP11J92TILBV)	Mexico, Mexico City, Mexico City	1.00	11 s	2	-	12
	Anonymous (1557163383986FKNR00O7TUKQ99C4H7H76OVFOP5SHTG3)	Mexico, Mexico City, Mexico City	4.00	6 min 27 s	2	-	2
	Anonymous (1557168290949JPR8JHC08F0PQTMM3HU2GT3MG6SCKK8J)	Spain, Madrid, Madrid	3.50	13 min 58 s	2	-	0

Dynatrace APM Screenshots



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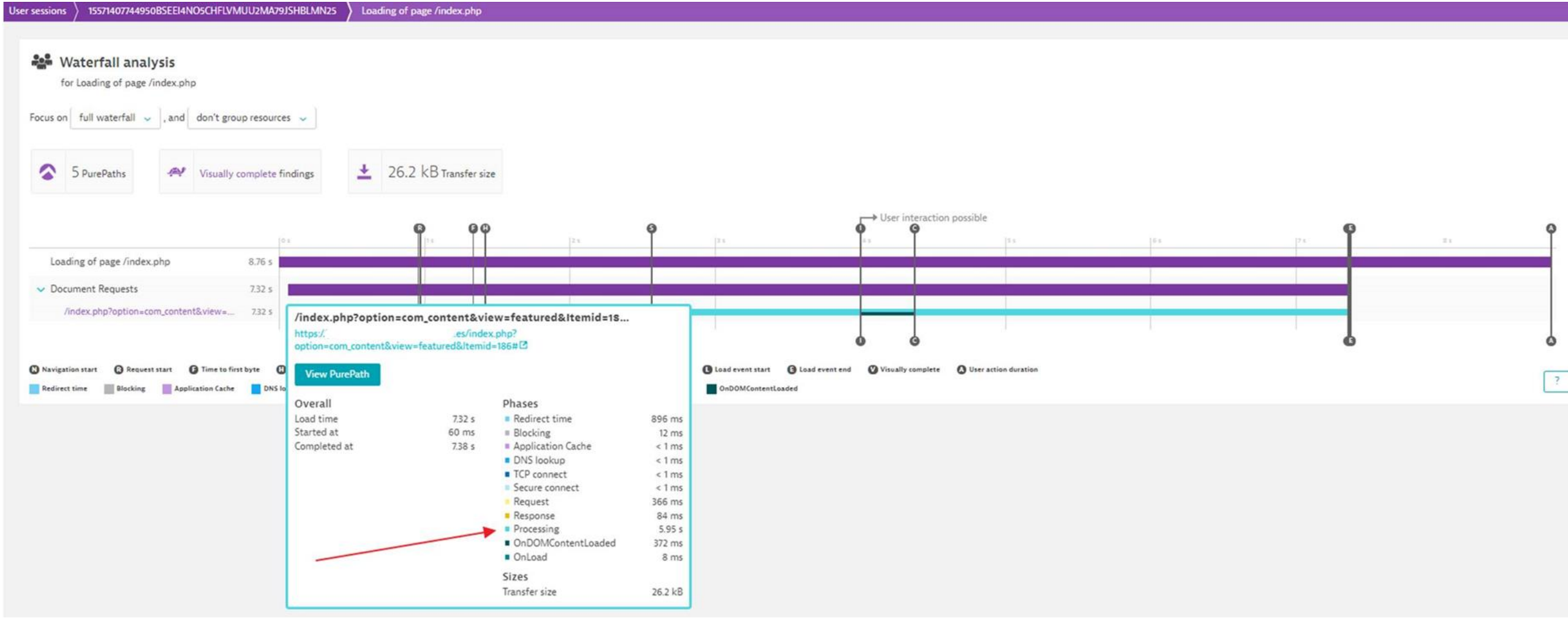

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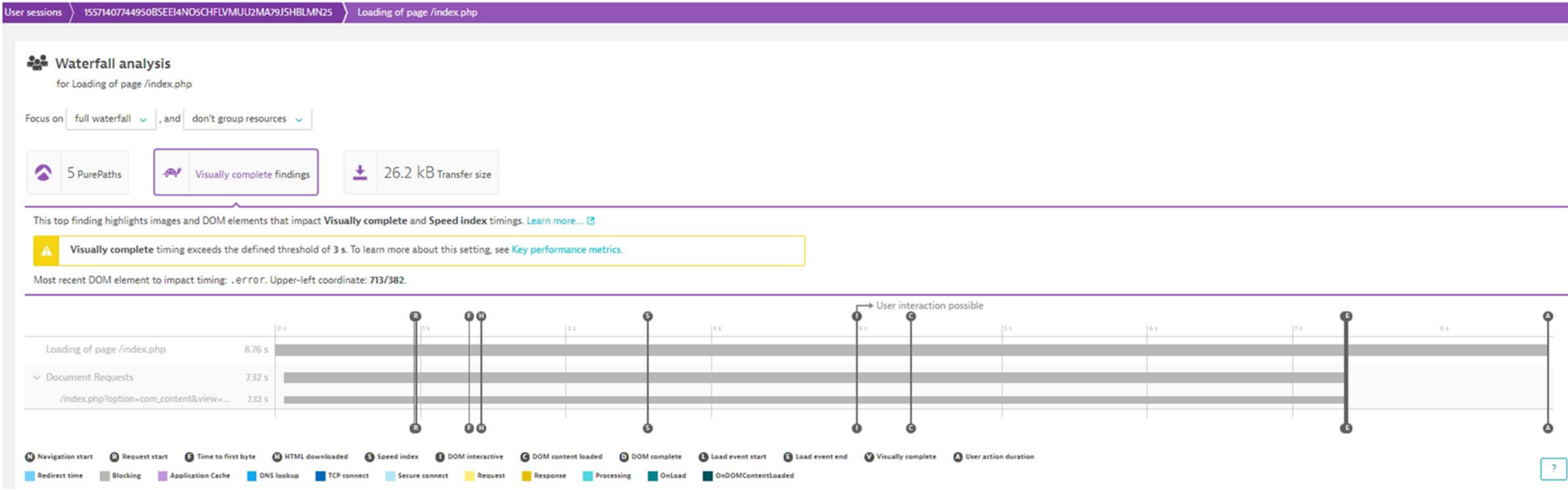

Dynatrace APM Screenshots

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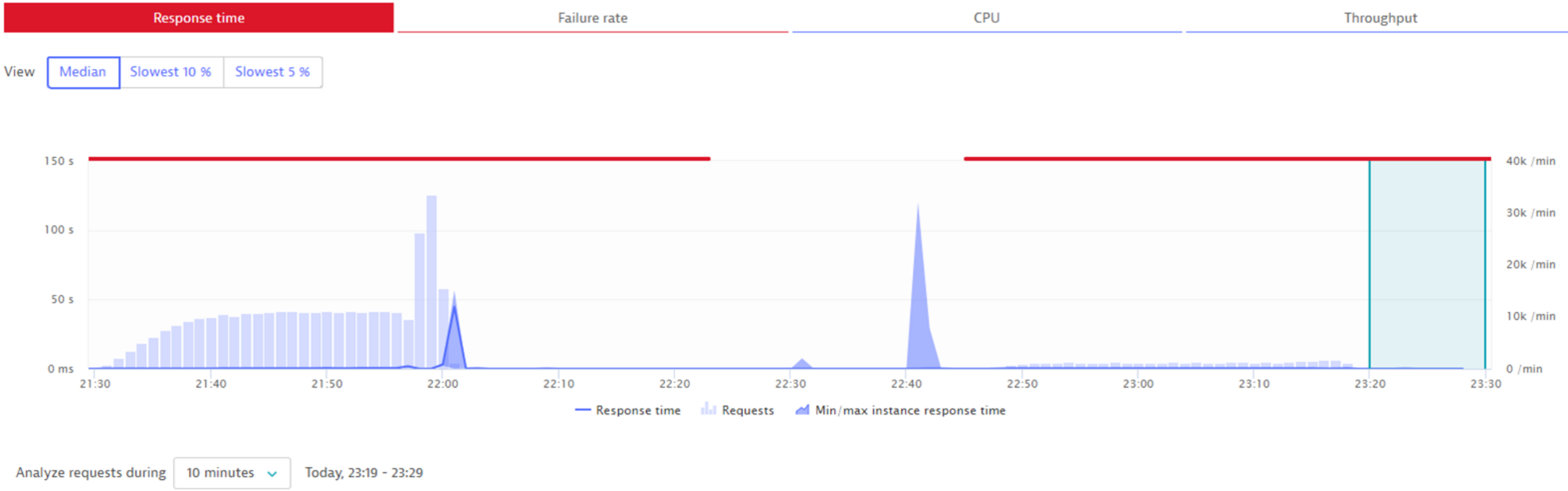

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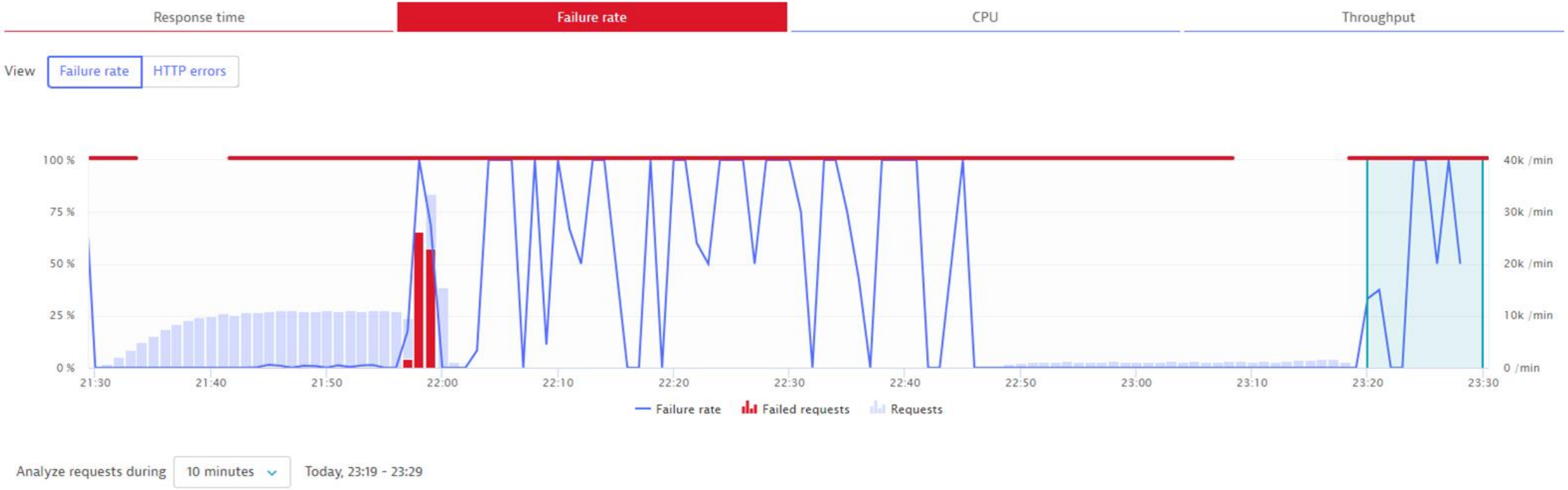

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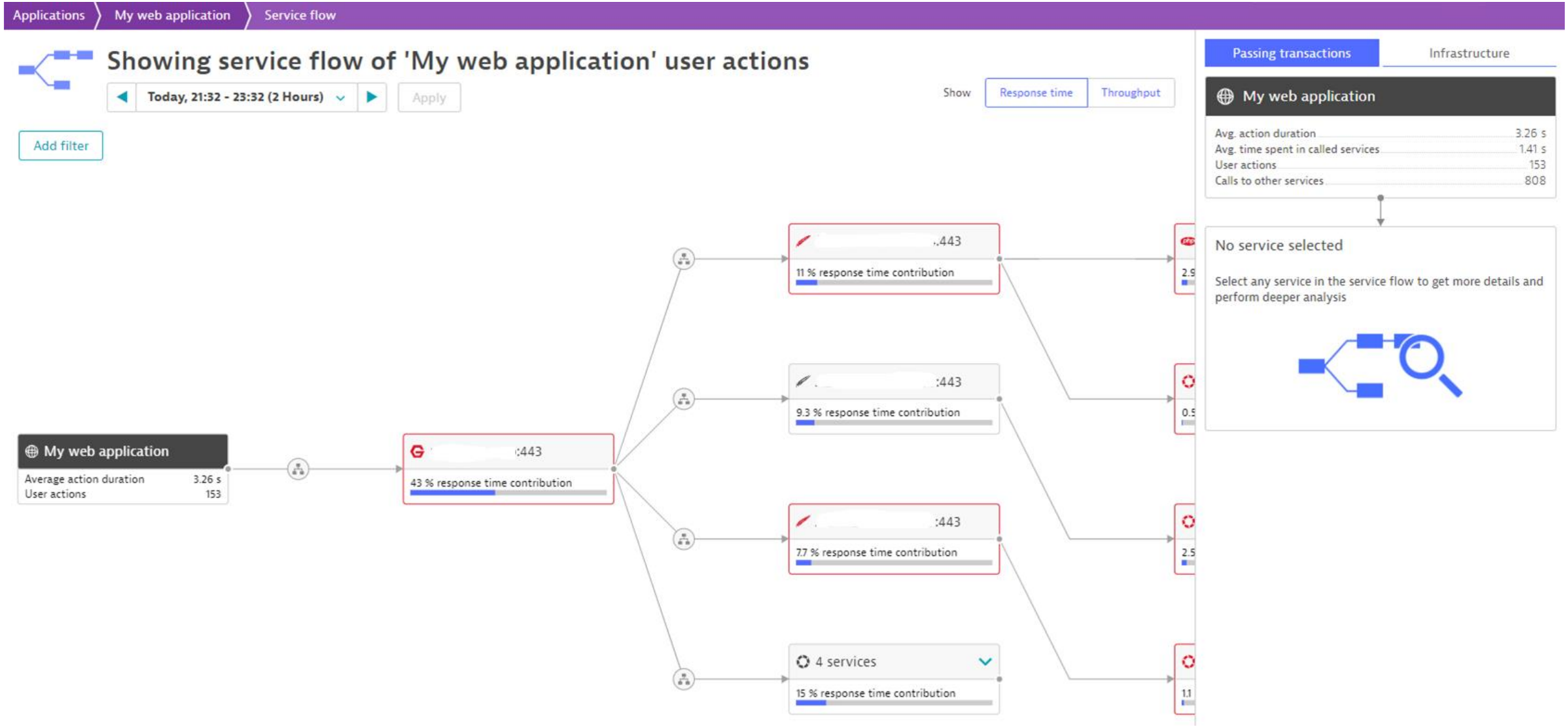

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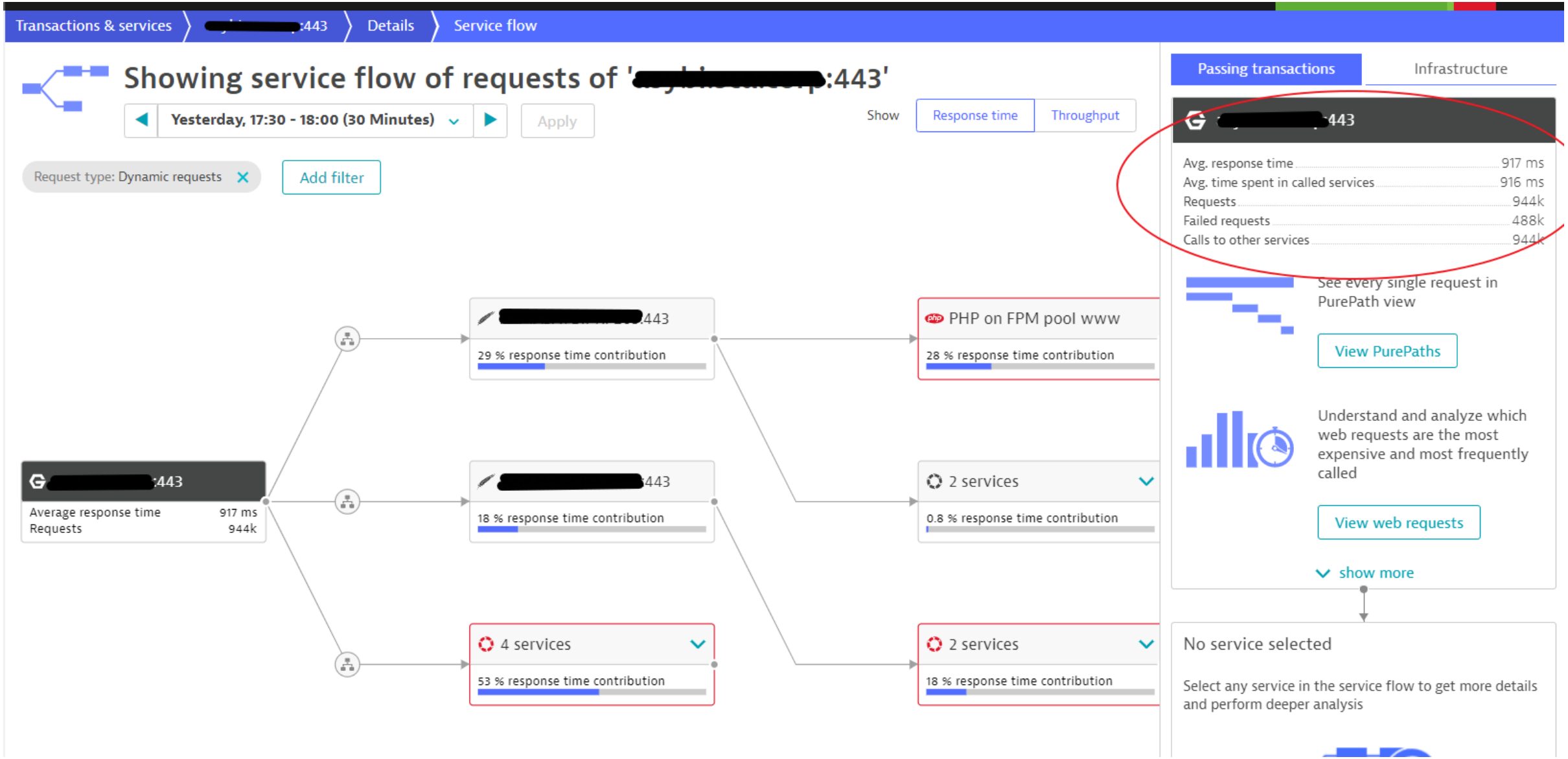

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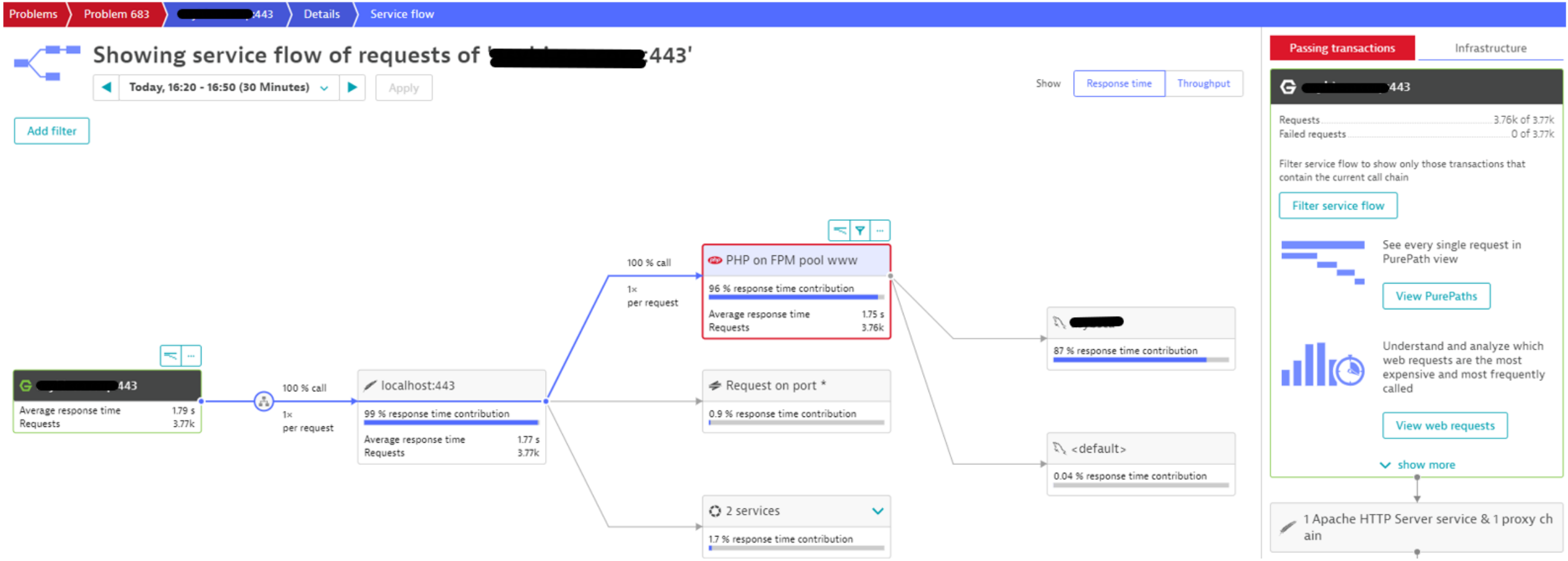


Dynatrace APM Screenshots

Problems > Problem 683 > PHP on FPM pool www > Details > PurePaths

Showing the 1000 most recent PurePaths of requests of 'PHP on FPM pool www'

Today, 16:20 - 16:50 (30 Minutes) Apply

[redacted] localhost:4... PHP on FP... Remove filter

Filter for...

Name	Time	Response time	CPU time	Method	Response code	Details
/index.php /index.php?option=com_hra&view=dashboard&Itemid=162	2019 Apr 15 16:49:32.609	23.3 s	120 ms	GET	200	
/index.php /index.php?option=com_healthindex&view=HealthIndexPanel&tab=recordweight	2019 Apr 15 16:49:32.836	23.1 s	363 ms	GET	200	
/index.php /index.php?option=com_gamification&view=userschallenges&Itemid=180	2019 Apr 15 16:49:32.799	23 s	81.3 ms	GET	200	
/index.php /index.php?option=com_gamification&view=userschallenges&Itemid=180	2019 Apr 15 16:49:32.757	22.8 s	81.2 ms	GET	200	
/index.php /index.php?option=com_gamification&view=userschallenges&Itemid=180	2019 Apr 15 16:49:32.845	22.7 s	88.3 ms	GET	200	
/index.php /index.php?option=com_users&view=profile&layout=edit&Itemid=193	2019 Apr 15 16:49:33.325	22.6 s	144 ms	GET	200	
/index.php /index.php?option=com_gamification&view=userschallenges&Itemid=180	2019 Apr 15 16:49:33.270	22.6 s	86.7 ms	GET	200	
/index.php /index.php?option=com_hra&view=completed&Itemid=166	2019 Apr 15 16:49:33.328	22.6 s	87.7 ms	GET	200	
/index.php /index.php?option=com_hra&view=dashboard&Itemid=162	2019 Apr 15 16:49:33.324	22.6 s	120 ms	GET	200	
/index.php /index.php?option=com_hra&view=dashboard&Itemid=162	2019 Apr 15 16:49:33.399	22.4 s	129 ms	GET	200	

Dynatrace APM Screenshots

Problems > Problem 683 > PHP on FPM pool www > Details > PurePaths

Showing the 1000 most recent PurePaths of requests of 'PHP on FPM pool www'

Today, 16:20 - 16:50 (30 Minutes) | Apply

[redacted] → localhost:4... → PHP on FP... | Remove filter

Filter for...

Name	Time	Response time	CPU time	Method	Response code	Details
/index.php /index.php?option=com_hra&view=dashboard&Itemid=162	2019 Apr 15 16:49:32.609	23.3 s	120 ms	GET	200	

URL: /index.php?option=com_hra&view=dashboard&Itemid=162

23.3 s response time — View response time hotspots

Analyze callers and callees — Analyze backtrace | View service flow

Analyze PurePath — View PurePath

Problems > Problem 683 > PHP on FPM pool www

2 services: Response time degradation

Problem 683 since 16:35 for 28 minutes.
This Service has been identified as root cause.

Response time degradation (1 event)

Response time degradation

The current response time (1.12 s) exceeds the auto-detected baseline (199 ms) by 464 %

Affected requests	Service method
186 /min	All dynamic requests

Dynamic web requests

Response time	486 ms
Failure rate	1.35 %
CPU	105 ms/req
Throughput	205 /min

View dynamic requests

Dynatrace APM Screenshots

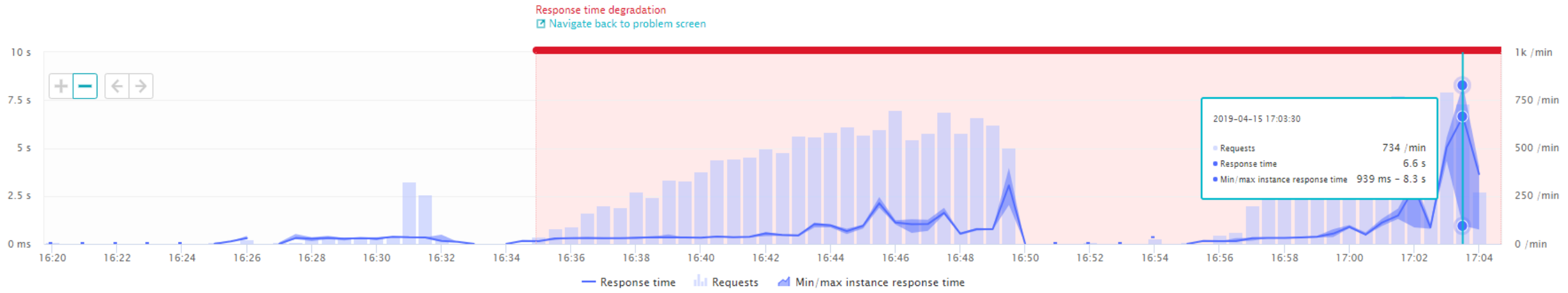
Dynatrace APM Screenshots

Problems > Problem 683 > PHP on FPM pool www > Details

Request type: Dynamic requests ✕ | Add filter

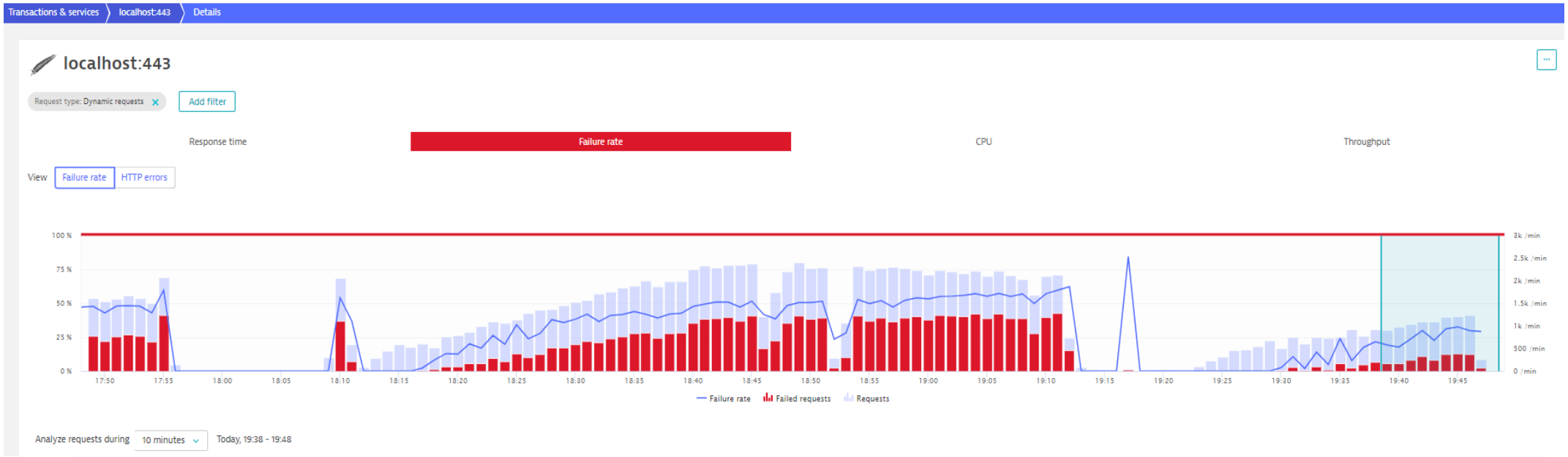
Response time | Failure rate | CPU | Throughput

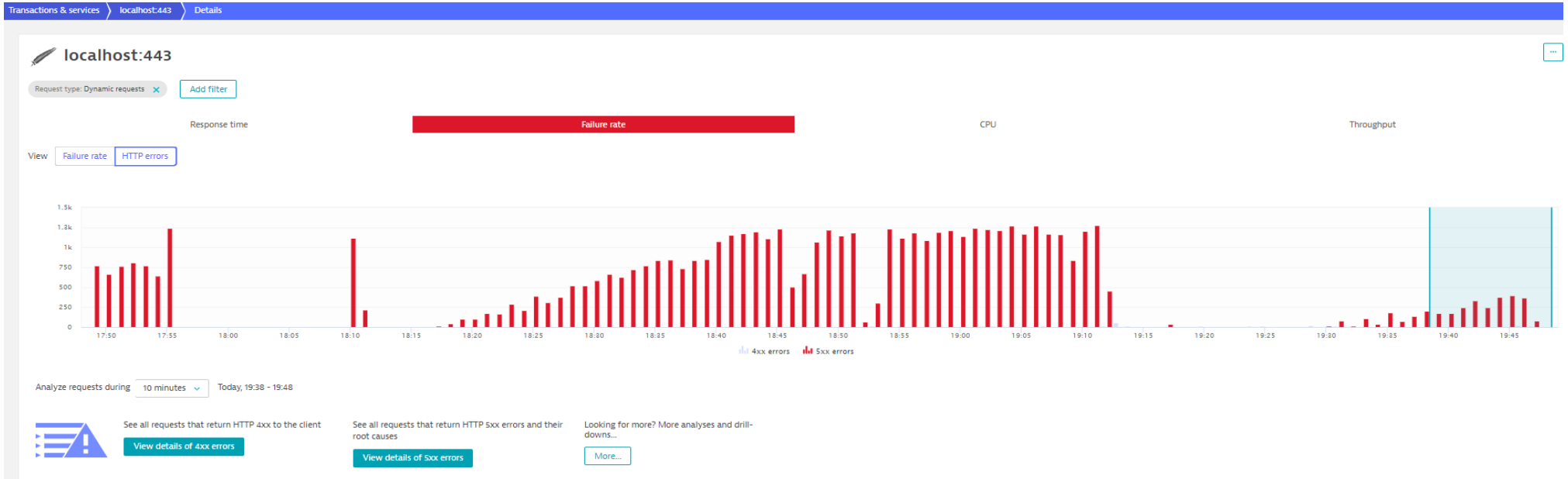
View: Median | Slowest 10 % | Slowest 5 %



Analyze all requests during this event's time frame. Today, 16:59 - 17:04

Dynatrace APM Screenshots





Dynatrace APM Screenshots

Problems > Problem 683 > PHP on FPM pool www > Details > Response time analysis

Need help?

Average response time of requests of 'PHP on FPM pool www'

Today, 16:35 - 17:04 | compare with | smart comparison timeframe | Apply

Request type: Dynamic requests | Response time: <6.6 s | Add filter

Distribution

Response time +1.02 s 1.15 s

- No interaction with services or queues
- Database usage
- Service execution

Top findings

- SELECT ... FROM `wns_notifications` AS `n` WHERE n ... in SQL Queries or Procedures +394 ms
- SELECT count(*) FROM `wns_notifications` AS `n` ... in SQL Queries or Procedures +269 ms
- PHP execution +73.6 ms

SELECT ... FROM `wns_notifications` AS `n` WHERE n ... in SQL Queries or Procedures

PHP on FPM pool www

Response time	1.15	s

49 % → 1 ×

SELECT ... FROM `wns_notifications` AS `n` WHERE n ...

	Response time	837 ms	+770 ms
×	Percentage of calls	49 %	+22 %
×	Invocations per call	1 ×	±0 ×
=	Response time contribution	412 ms	+394 ms

49% of the requests call SELECT ... FROM `wns_notifications` AS `n` WHERE n ... (averaging 1 call per request).

Dynatrace APM Screenshots

Database statements of SELECT ... FROM `wns_notifications` AS `n` WHERE n ...

```
select n.id, n.description, n.created, n.to_id, n.url from `wns_notifications` as `n`
where n.to_id='*****' and n.status = '*****' order by n.created DESC limit 5
```

	Average execution time	1 s	+934 ms
×	Percentage of calls	51 %	+23 %
×	Invocations	1 ×	0 ×
=	Response time contribution	509 ms	+491 ms

Database statements of SELECT count(*) FROM `wns_notifications` AS `n` ...

```
select count(*) from `wns_notifications` as `n` where n.to_id='*****' and n.status =
'*****'
```

+349 ms

	Average execution time	722 ms	+656 ms
×	Percentage of calls	51 %	+23 %
×	Invocations	1 ×	0 ×
=	Response time contribution	367 ms	+349 ms

Rows returned per execution	1	0 ×

Dynatrace APM Screenshots

Databases [redacted] Details

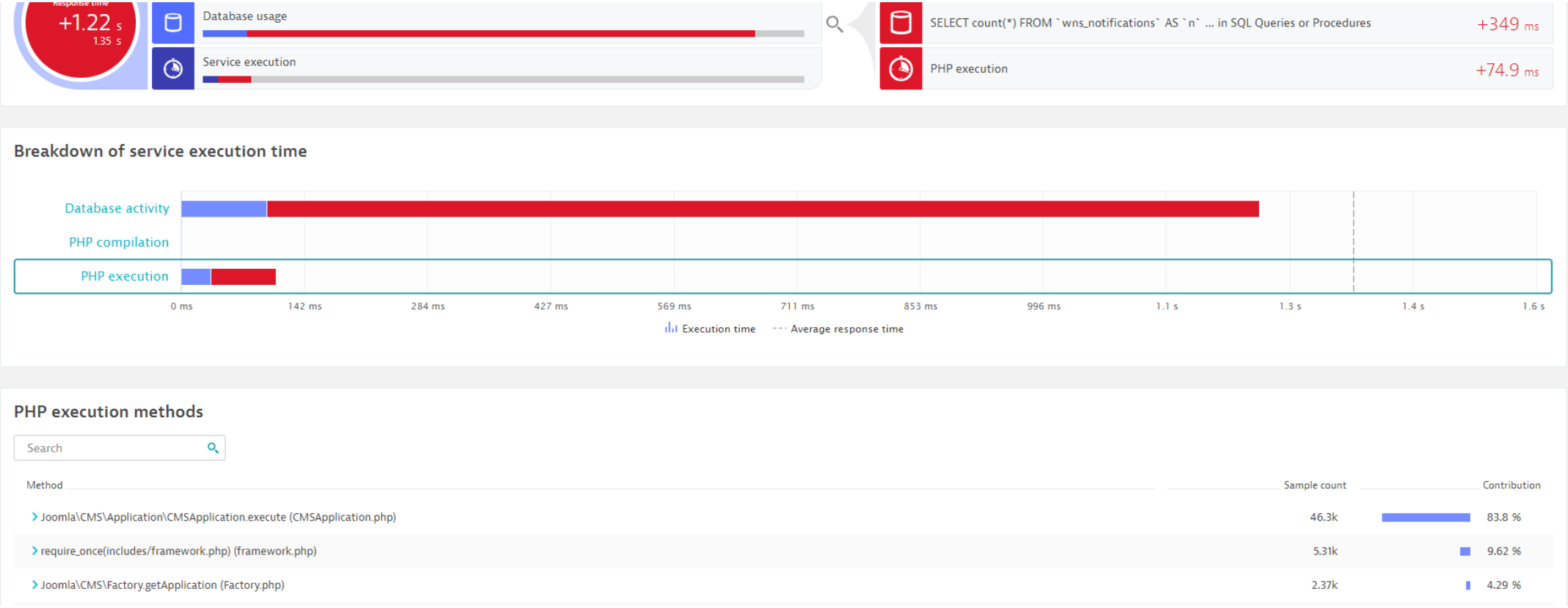
Database statements

Create chart

Filter on statement, database name, vendor, process and hostname.

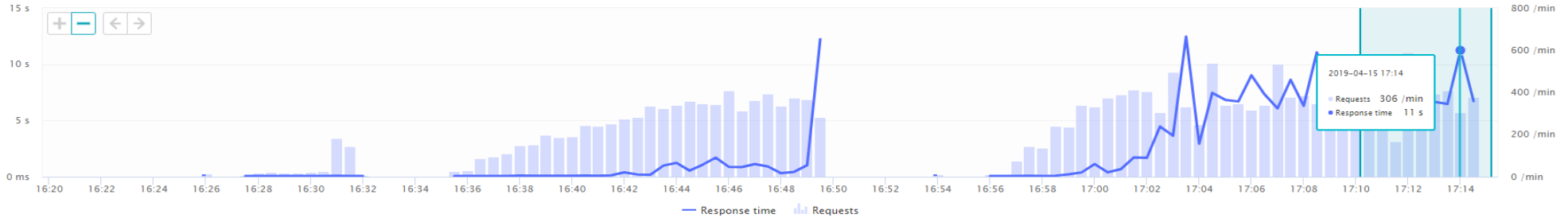
Statement	Executions	Total executions	Actions
update wns_session	922 /min	111k	
delete from wns_session	486 /min	58.4k	
insert into wns_session	435 /min	52.1k	
update wns_jsn_users	369 /min	44.3k	
set SQL_BIG_SELECTS='*****'	309 /min	37.1k	
update wns_users	300 /min	36k	
delete from wns_plg_max_login_attempts	161 /min	19.3k	
insert into wns_login_log_info	157 /min	18.8k	

Dynatrace APM Screenshots



Dynatrace APM Screenshots

Response time of requests sent by monitored services



Analyze requests during 5 minutes Today, 17:10 - 17:15

1 database statement

Create chart

Filter on statement, database name, vendor, process and hostname.

Statement	Total time	Response time	Slowest 10 %	Actions
select n.id, n.description, n.created, n.to_id, n.url from `wns_notifications` as `n` where n.to_id='*****' and n.status = '*****' order by n.created DESC limit 5	13.7 min/min	2.46 s	12.3 s	

Executions	186 /min
Total executions	10.3k
Total time	13.7 min/min
Response time	2.46 s
Slowest 10 %	12.3 s
Failure rate	0 %

1 database statement

Create chart

Filter on statement, database name, vendor, process and hostname.

Statement	Total time	Response time	Slowest 10 %	Actions
select count(*) from `wns_notifications` as `n` where n.to_id='*****' and n.status = '*****'	11.4 min/min	2.67 s	8.9 s	

Executions	194 /min
Total executions	11.2k
Total time	11.4 min/min
Response time	2.67 s
Slowest 10 %	8.9 s
Failure rate	0 %

Dynatrace APM Screenshots

2 problems matching selected filter

Filtered by:

5 services
Multiple service problems — Problem 683

Since 16:35 for 46 minutes

Impacted services
[redacted], PHP on FPM pool www, Request on port *, ...

Impact
6.4k requests/min affected
multiple service types

Root cause
[redacted] - Response time degradation
PHP on FPM pool www - Response time degradation
Request on port * - Response time degradation
localhost:443 - Failure rate increase
[redacted]:443 - Multiple service problems

2 services
Response time degradation — Problem 871

Since 15:46 for 1 hour 35 minutes

Impacted services
PHP on FPM pool www, localhost:443

Impact
60.2 requests/min affected
all dynamic requests

Root cause
PHP on FPM pool www - Response time degradation

Root cause

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

PHP on FPM pool www
Web request service

Response time degradation — Today, 16:35 - 17:22
All dynamic requests slow

Metric anomalies detected
Review the metrics which show abnormal or outlying behavior.

Server response time
+ 330 ms
Now
Before

Client failure rate
+ 8.62 %
Now
Before

Analyze findings

5 impacted services

6.4k Requests per minute impacted

[redacted]:443
Web request service

Response time degradation
The current response time (1.75 s) exceeds the auto-detected baseline (489 ms) by 258 %

Affected requests: 509 /min
Service method: All dynamic requests

Failure rate increase
by a failure rate increase to 31 %

Affected requests: 453 /min
Service method: All dynamic requests

localhost:443
Web request service

Failure rate increase
by a failure rate increase to 32 %

Affected requests: 733 /min
Service method: All dynamic requests

Request on port *
Web request service

Response time degradation
The current response time (424 ms) exceeds the auto-detected baseline (213 ms) by 99 %

Affected requests: 128 /min
Service method: All dynamic requests

PHP on FPM pool www
Web request service

Response time degradation
The current response time (1.43 s) exceeds the auto-detected baseline (199 ms) by 618 %

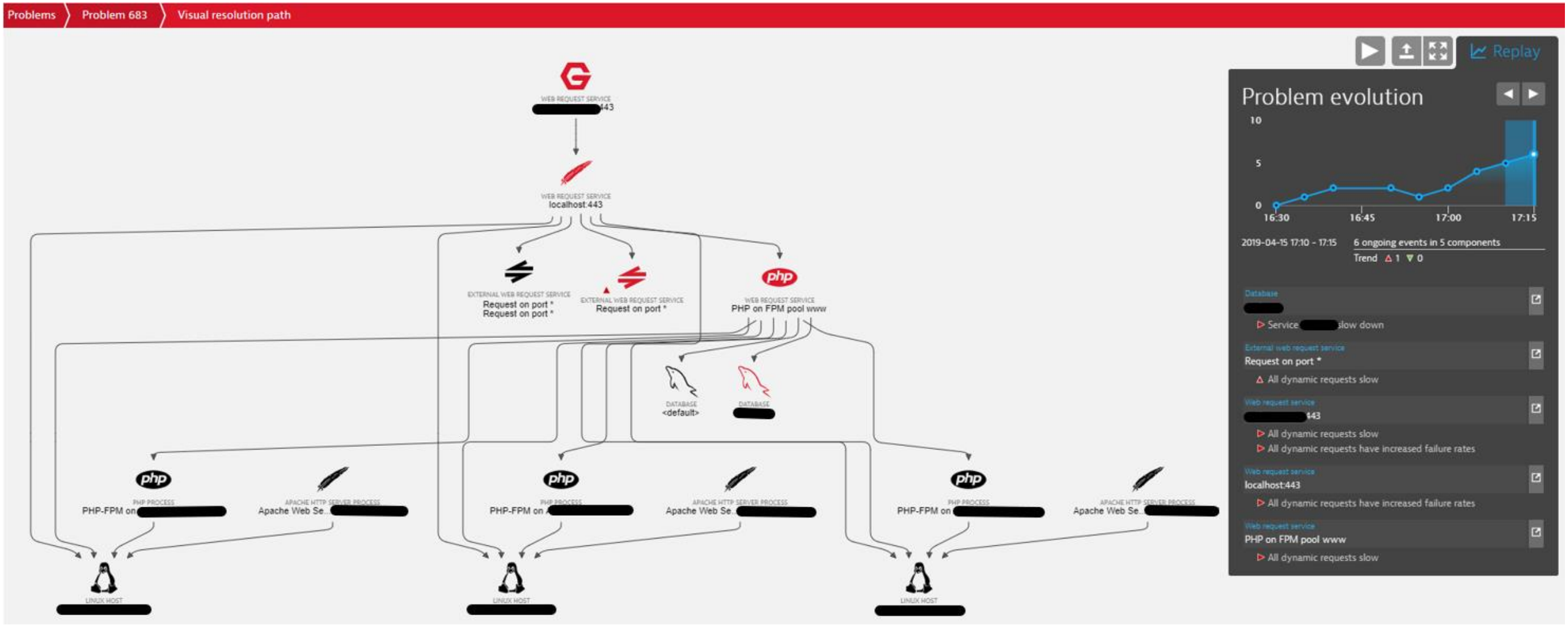
Affected requests: 186 /min
Service method: All dynamic requests

[redacted]
Database

Response time degradation
The current response time (150 ms) within the slowest 10% exceeds the auto-detected baseline (39.2 ms) by 282 %

Affected requests: 4.39k /min
Service method: SQL Modifications

Dynatrace APM Screenshots



Dynatrace APM Screenshots

Problems

Set up notifications ···

Filtered by:

[redacted]
CPU saturation — Problem 48

Since 17:13 for 12 minutes

Impacted components
[redacted]

5 services
Multiple service problems — Problem 683

Since 16:35 for 50 minutes

Impacted services
PHP on FPM pool www, asybsca, Request on port *, ...

Impact
6.4k requests/min affected
multiple service types

Root cause
PHP on FPM pool www - Response time degradation
[redacted] - Response time degradation
Request on port * - Response time degradation
localhost:443 - Failure rate increase
[redacted]443 - Multiple service problems

2 services
Response time degradation — Problem 871

Since 15:46 for 1 hour 39 minutes

Impacted services
PHP on FPM pool www, localhost:443

Impact
60.2 requests/min affected
all dynamic requests

Root cause
PHP on FPM pool www - Response time degradation

[redacted]
Slow disk — Problem 157

From 15:50 - 15:55 for 5 minutes

Impacted components
[redacted]

[redacted] CPU saturation

Problem 48 detected at 17:13 (open for 13 minutes).

Affected applications	Affected services	Affected infrastructure
–	–	1

1 impacted infrastructure component

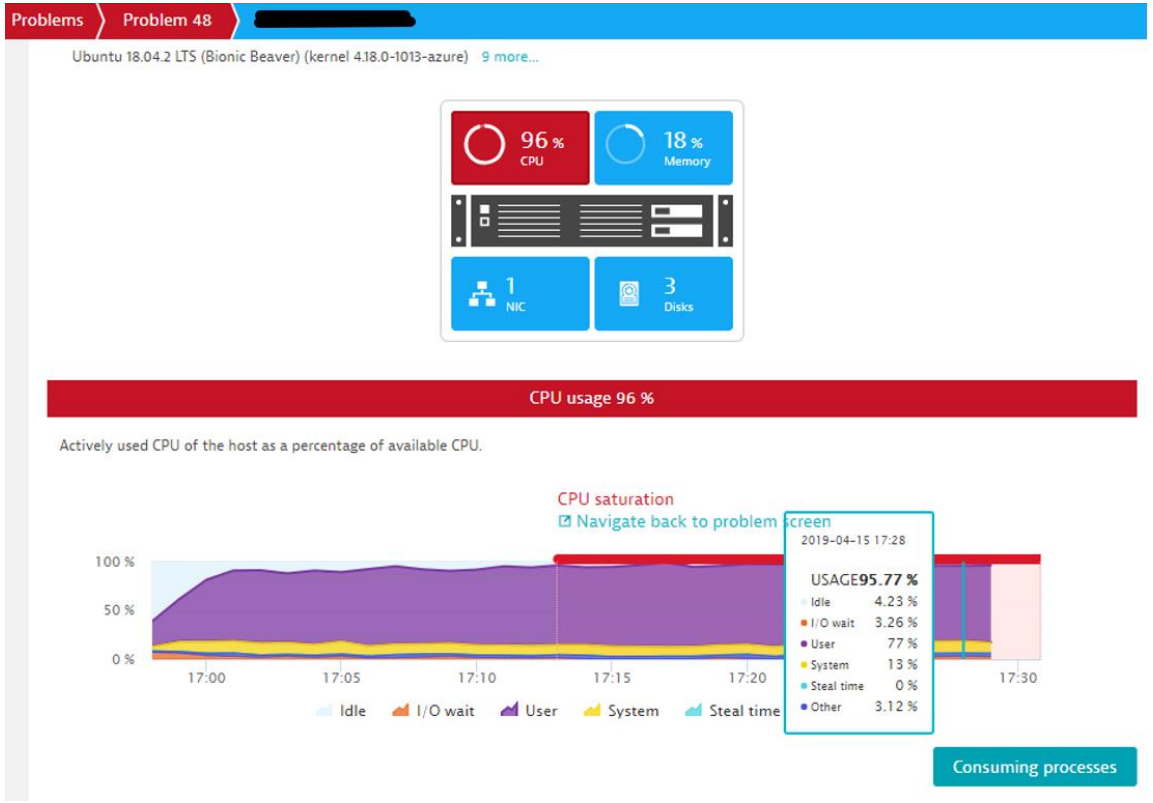
[redacted]
Host

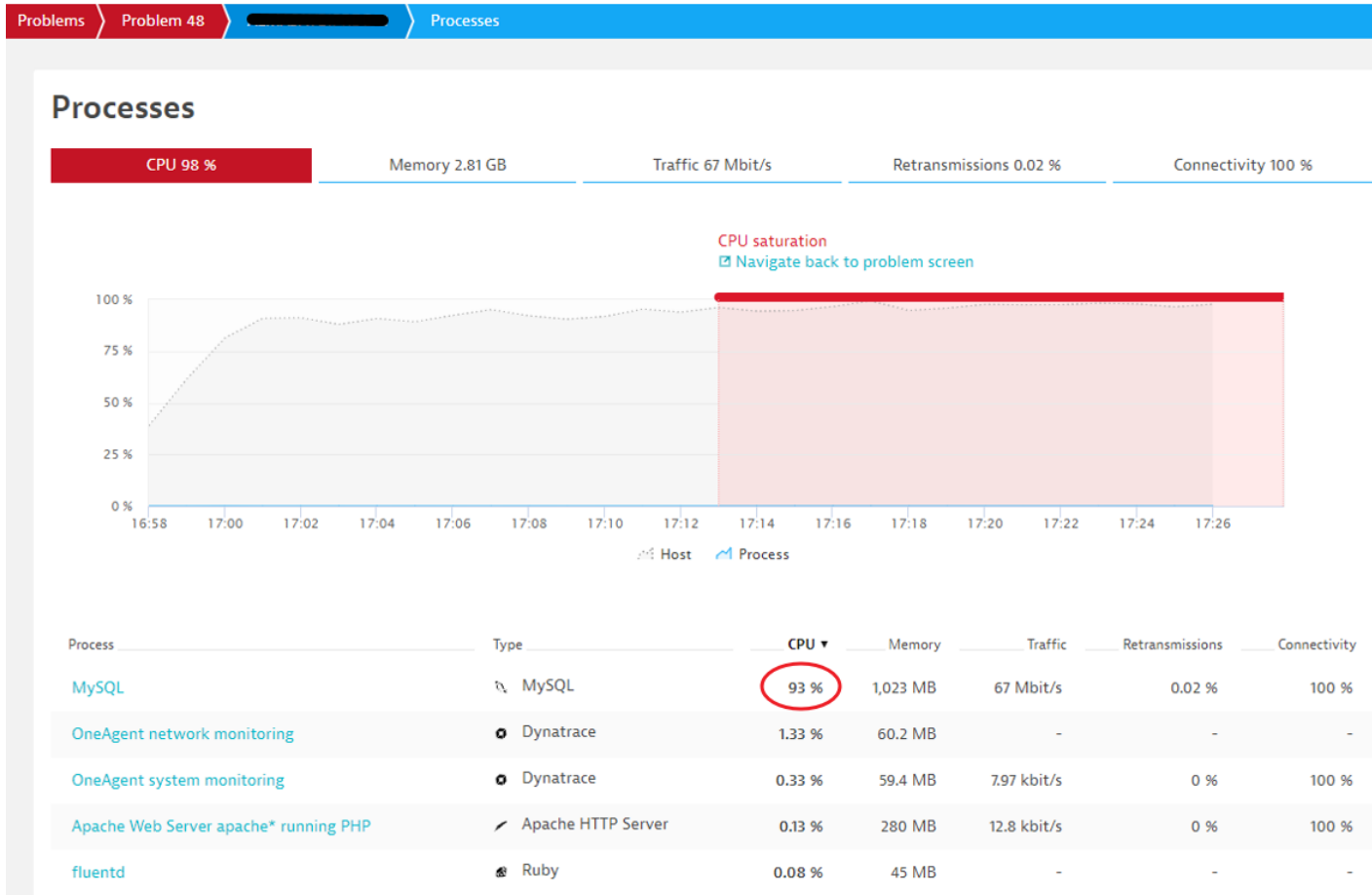
CPU saturation

99 % CPU usage

Analyze logs

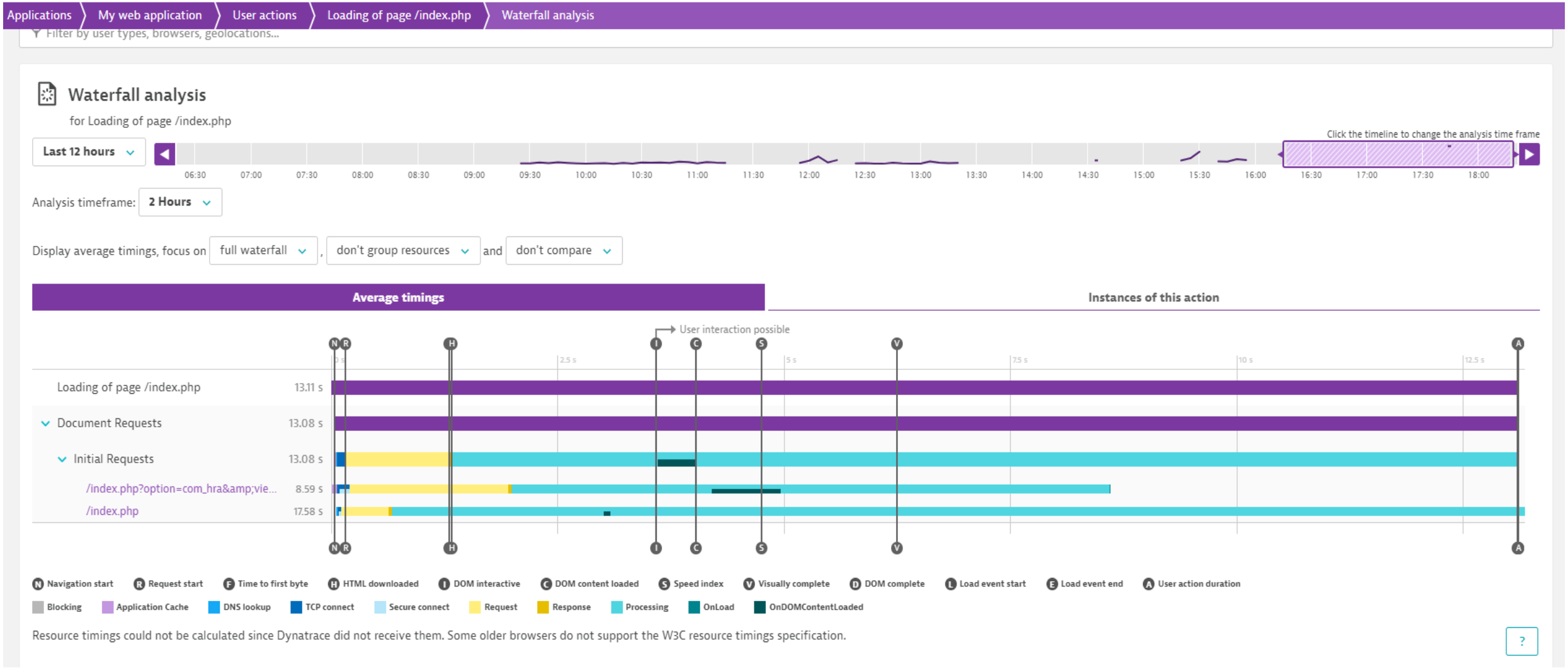
Dynatrace APM Screenshots





Process	Type	CPU ▾	Memory	Traffic	Retransmissions	Connectivity
MySQL	MySQL	93 %	1,023 MB	67 Mbit/s	0.02 %	100 %
OneAgent network monitoring	Dynatrace	1.33 %	60.2 MB	-	-	-
OneAgent system monitoring	Dynatrace	0.33 %	59.4 MB	7.97 kbit/s	0 %	100 %
Apache Web Server apache* running PHP	Apache HTTP Server	0.13 %	280 MB	12.8 kbit/s	0 %	100 %
fluentd	Ruby	0.08 %	45 MB	-	-	-

Dynatrace APM Screenshots



Dynatrace APM Screenshots

All 8

Severity
- Error 1
- Slowdown 6
- Resource 1

Status
- Open 6
- Resolved 2

Impact
- Services 7
- Infrastructure 1

Alerts
- Default 2

Context
- Non-maintenance 8

8 problems matching selected filter

Set up notifications

Filtered by:

Request on port *
Response time degradation — Problem 939
Since 18:19 for 11 minutes
Impacted services: Request on port *
Impact: 69.6 requests/min affected, all dynamic requests
Root cause: Request on port * - Response time degradation

Request on port *
Response time degradation — Problem 716
Since 18:19 for 11 minutes
Impacted services: Request on port *
Impact: 78.2 requests/min affected, all dynamic requests
Root cause: Request on port * - Response time degradation

Request on port *
Response time degradation — Problem 220
Since 18:19 for 11 minutes
Impacted services: Request on port *
Impact: 76.6 requests/min affected, all dynamic requests
Root cause: Request on port * - Response time degradation

2 services
Response time degradation — Problem 635
Since 18:06 for 24 minutes
Impacted services: [redacted] PHP on FPM pool www
Impact: 1.62k requests/min affected, multiple service types

5 services
Multiple service problems — Problem 683
Since 16:35 for 1 hour 55 minutes
Impacted services: PHP on FPM pool www, [redacted] Request on port *, ...
Impact: 6.4k requests/min affected, multiple service types
Root cause:
PHP on FPM pool www - Response time degradation
[redacted] - Response time degradation
Request on port * - Response time degradation
localhost:443 - Failure rate increase
[redacted]43 - Multiple service problems

2 services
Response time degradation — Problem 871
Since 15:46 for 2 hours 44 minutes
Impacted services: PHP on FPM pool www, localhost:443
Impact: 60.2 requests/min affected, all dynamic requests
Root cause: PHP on FPM pool www - Response time degradation

[redacted]
CPU saturation — Problem 48
From 17:13 - 17:32 for 19 minutes
Impacted components: [redacted]

Request on port *
Response time degradation — Problem 296
From 17:18 - 17:26 for 8 minutes
Impacted services: Request on port *

Dynatrace APM Screenshots

Problems

Search

All 11

Severity
- Error 3
- Slowdown 6
- Resource 2

Status
- Open 4
- Resolved 7

Impact
- Services 9
- Infrastructure 2

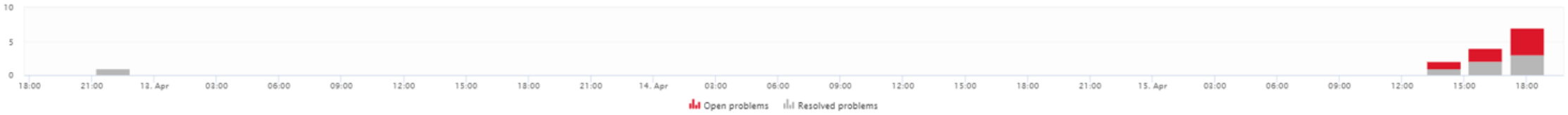
Alerts
- Default 5

Context
- Non-maintenance 11

11 problems matching selected filter

Set up notifications

Filtered by:



11 problems matching selected filter from Apr 12 18:45 - Apr 15 18:45

[redacted]
Failure rate increase — Problem 760

Since 18:24 for 21 minutes

Impacted services
[redacted]

Impact
4.15k requests/min affected

Root cause
asybsca - Failure rate increase

2 services
Response time degradation — Problem 635

Since 18:06 for 39 minutes

Impacted services
[redacted] PHP on FPM pool www

Impact
1.62k requests/min affected
multiple service types

5 services
Multiple service problems — Problem 683

Since 16:35 for 2 hours 10 minutes

Impacted services
PHP on FPM pool www, [redacted], Request on port *, ...

Impact
6.4k requests/min affected
multiple service types

Root cause
PHP on FPM pool www - Response time degradation
[redacted] Response time degradation
Request on port * - Response time degradation
localhost:443 - Failure rate increase
[redacted]:443 - Multiple service problems

2 services
Response time degradation — Problem 871

Since 15:46 for 2 hours 59 minutes

Impacted services
PHP on FPM pool www, localhost:443

Impact
60.2 requests/min affected
all dynamic requests

Request on port *
Response time degradation — Problem 939

From 18:19 - 18:29 for 10 minutes

Impacted services
Request on port *

Impact
69.6 requests/min affected
all dynamic requests

Request on port *
Response time degradation — Problem 716

From 18:19 - 18:28 for 9 minutes

Impacted services
Request on port *

Impact
78.2 requests/min affected
all dynamic requests

Dynatrace APM Screenshots

All monitored services

10 services

Custom service settings

Showing current values

Filtered by:

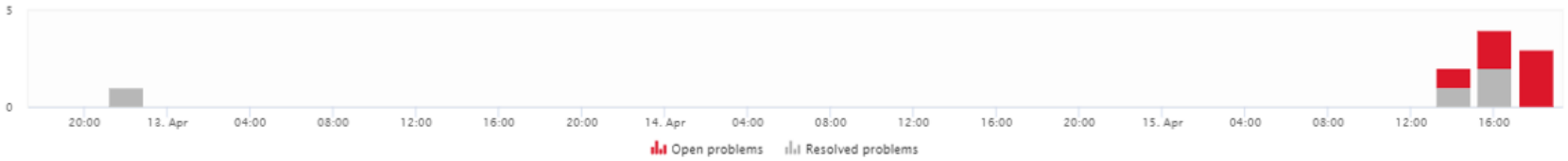
PHP on FPM pool www		
PHP-FPM		
PHP-FPM		
Requests	906/min	
Response time median	1.31s	
localhost:443		
Apache Web Server apache*		
Apache Web Server apache*		
Requests	836/min	
Response time median	1.42s	
Failure rate	26%	
[redacted]:443		
nginx		
nginx		
Requests	574/min	
Response time median	1.5s	
Failure rate	24%	
Request on port *		
[redacted]		
Requests	105/min	
Response time median	734ms	
Request on port *		
[redacted]		
Requests	101/min	
Response time median	708ms	
Request on port *		
[redacted]		
Requests	98/min	
Response time median	669ms	
localhost:80		
Apache Web Server apache*		
Apache Web Server apache*		
Requests	2/min	
PHP-FPM via domain socket /run/php/php7.2-fpm.sock		
PHP-FPM		
PHP-FPM		
Requests	0/min	
Requests to unmonitored hosts		
Requests	0/min	
Incompletely detected WebRequest		
Requests	0/min	

Dynatrace APM Screenshots

7 problems matching selected filter

Set up notifications

Filtered by:



7 problems matching selected filter from Apr 12 18:17 - Apr 15 18:17

2 services — Response time degradation — Problem 635

Since 18:06 for 11 minutes

Impacted services
[redacted] PHP on FPM pool www

Impact
1.62k requests/min affected
multiple service types

5 services — Multiple service problems — Problem 683

Since 16:35 for 1 hour 42 minutes

Impacted services
asybsca, PHP on FPM pool www, Request on port *, ...

Impact
6.4k requests/min affected
multiple service types

Root cause
asybsca - Response time degradation
PHP on FPM pool www - Response time degradation
Request on port * - Response time degradation
localhost:443 - Failure rate increase
[redacted]443 - Multiple service problems

2 services — Response time degradation — Problem 871

Since 15:46 for 2 hours 31 minutes

Impacted services
PHP on FPM pool www, localhost:443

Impact
60.2 requests/min affected
all dynamic requests

Root cause
PHP on FPM pool www - Response time degradation

[redacted] — CPU saturation — Problem 48

From 17:13 - 17:32 for 19 minutes

Impacted components
[redacted]

Request on port * — Response time degradation — Problem 296

From 17:18 - 17:26 for 8 minutes

Impacted services
Request on port *

Impact
209 requests/min affected
all dynamic requests

[redacted] — Slow disk — Problem 157

From 15:50 - 15:55 for 5 minutes

Impacted components
[redacted]

Dynatrace APM Screenshots

Transactions & services > PHP on FPM pool www

PHP on FPM pool www

Seen recently

Smartscape view

Properties and tags

0 Applications

1 Service

1 Network client

863 /min Throughput

3 PHP

0 Services

2 Databases

Dynamic web requests

Response time	1.17 s
Failure rate	26 %
CPU	79.1 ms/req
Throughput	863 /min

View dynamic requests

Resource requests

Response time	Failure rate	CPU	Throughput
–	–	–	0 /min

View resource requests

3 Problems

Today, 16:28 - 18:28

Problem 635: Response time degradation

2 services
Since 2019 Apr 15 18:06:00 (22 minutes)

Problem 683: Multiple service problems

5 services
Since 2019 Apr 15 16:35:00 (1 hour 53 minutes)

Problem 871: Response time degradation

2 services
Since 2019 Apr 15 15:46:00 (2 hours 42 minutes)

No hotspots detected

Multidimensional analysis views

Create chart

This section will list your bookmarked multidimensional analysis views for this service. Click 'Create chart' to start.

Understand dependencies

Today, 16:28 - 18:28

Understand all dependencies and response time contributions

View service flow

Understand which user actions and related services are dependent on this service

Analyze backtrace

Understand and analyze which web requests are the most expensive and most frequently called

View web requests

Dynatrace APM Screenshots

Problems > Problem 683 > [redacted]:443 > Details > Failure analysis

Failed request of '[redacted]:443'

Today, 17:01 - 18:43 compare with smart comparison timeframe Apply

Request type: Dynamic requests ✕ Failed state: only failed Add filter

6.31k (+6.31k)
Failed requests

Reasons for failed requests

Following are the reasons for failed requests. Click a specific reason to view the exception message and code-level details.

Reasons for failed requests		Failed requests
HTTP 500 - Internal Server Error	100 %(+100 %)	6.31k (+6.31k)

Requests that failed with HTTP 500 - Internal Server Error

	Failed requests ▾
/index.php	3.68k (+3.68k)
/	2.62k (+2.62k)

Potential root causes for requests that failed with HTTP 500 - Internal Server Error

100 % (+100 %) likely failed due to failed service calls to localhost:443 with HTTP 500

Details

Dynatrace APM Screenshots

Problems > Problem 683

5 services: Multiple service problems

Problem 683 detected at 16:35 (open for 1 hour 58 minutes).

Close problem

Affected applications
-

Affected services
5

Affected infrastructure
-

8,148
Dependencies analyzed

Business impact analysis

An analysis of all affected service calls and impacted real users during the first 1 hour 1 minute of the problem shows the following potential impact.

0
Impacted users

1.22M
Affected service calls

Show more

5 impacted services

6.4k Requests per minute impacted

[redacted]:443
Web request service

Response time degradation
The current response time (2.41 s) exceeds the auto-detected baseline (489 ms) by 393 %

Affected requests
509 /min

Service method
All dynamic requests

Failure rate increase
by a failure rate increase to 60 %

Affected requests
453 /min

Service method
All dynamic requests

localhost:443
Web request service

Failure rate increase
by a failure rate increase to 57 %

Affected requests
733 /min

Service method
All dynamic requests

Request on port *

Root cause

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

PHP on FPM pool www
Web request service

Response time degradation
All dynamic requests slow
Today, 16:35 - 18:05

Metric anomalies detected
Review the metrics which show abnormal or outlying behavior.

Server response time
+ 330 ms
Now
Before

Client failure rate
+ 8.62 %
Now
Before

Analyze findings

localhost:443
Web request service

Failure rate increase
All dynamic requests have increased failure rates
Today, 17:01 - 18:33

Metric anomalies detected
Review the metrics which show abnormal or outlying behavior.

Client failure rate
+ 9.36 %
Now
Before

Dynatrace APM Screenshots

Problems 〉 Problem 683

Request on port *
Web request service / Healthy again for 1 hour 5 minutes

Response time degradation
The current response time (424 ms) exceeds the auto-detected baseline (213 ms) by 99 %

Affected requests	Service method
128 /min	All dynamic requests

[redacted]
Database / Healthy again for 34 minutes

Response time degradation
The current response time (299 ms) within the slowest 10% exceeds the auto-detected baseline (39.2 ms) by 662 %

Affected requests	Service method
4.39k /min	SQL Modifications

PHP on FPM pool www
Web request service / Healthy again for 28 minutes

Response time degradation
The current response time (1.43 s) exceeds the auto-detected baseline (199 ms) by 618 %

Affected requests	Service method
186 /min	All dynamic requests

Now
Before

Analyze findings

[redacted]
Database

Response time degradation
Service asybsca slow down
Today, 17:10 - 17:59

Metric anomalies detected
Review the metrics which show abnormal or outlying behavior.

Server response time
+ 13.6 ms
Now
Before

Analyze findings

Show 2 less

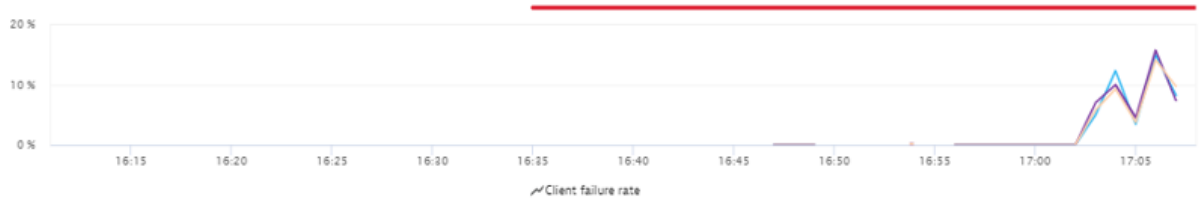
Dynatrace APM Screenshots

Problems > Problem 683 > Root-cause analysis

Dynatrace automatically followed all problem related transactions and identified this component as showing abnormal metric behavior right before the problem was detected

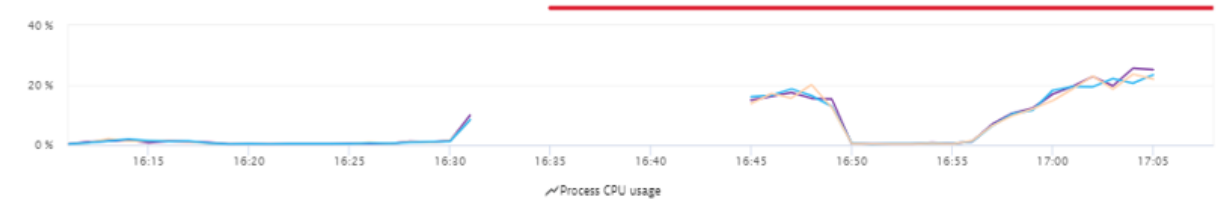
Service

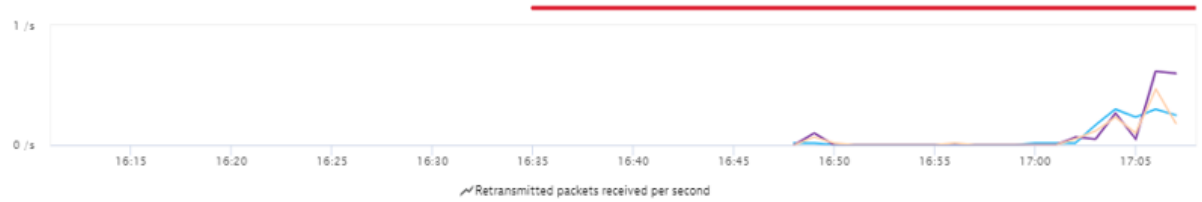
PHP on FPM pool www



Process Group

PHP-FPM





Show 5 more

Host

[redacted]

Dynatrace APM Screenshots

Dynatrace APM Screenshots

Root cause

Based on time correlation and analysis of all transactions that use these components, this issue has the following root cause

MySQL
Process Group

Slow disk — Today, 17:24 - 17:38
Disk slow on [redacted]

Metric anomalies detected
Review the metrics which show abnormal or outlying behavior.

Process I/O write bytes	connected threads
+ 42.7 MB/s	+ 1.02k /min
Now / Before	Now / Before

Process I/O requested read bytes	Process I/O requested write bytes
+ 8.7 MB/s	+ 24.2 MB/s
Now / Before	Now / Before

Analyze findings

Problems > Problem 778

3 impacted services

373k Requests per minute impacted

PHP on FPM pool www
Web request service

Response time degradation
The current response time (7.72 min) exceeds the auto-detected baseline (4.57 s) by 10,044 %

Affected requests	Service method
311 /min	All dynamic requests

[redacted]
Database

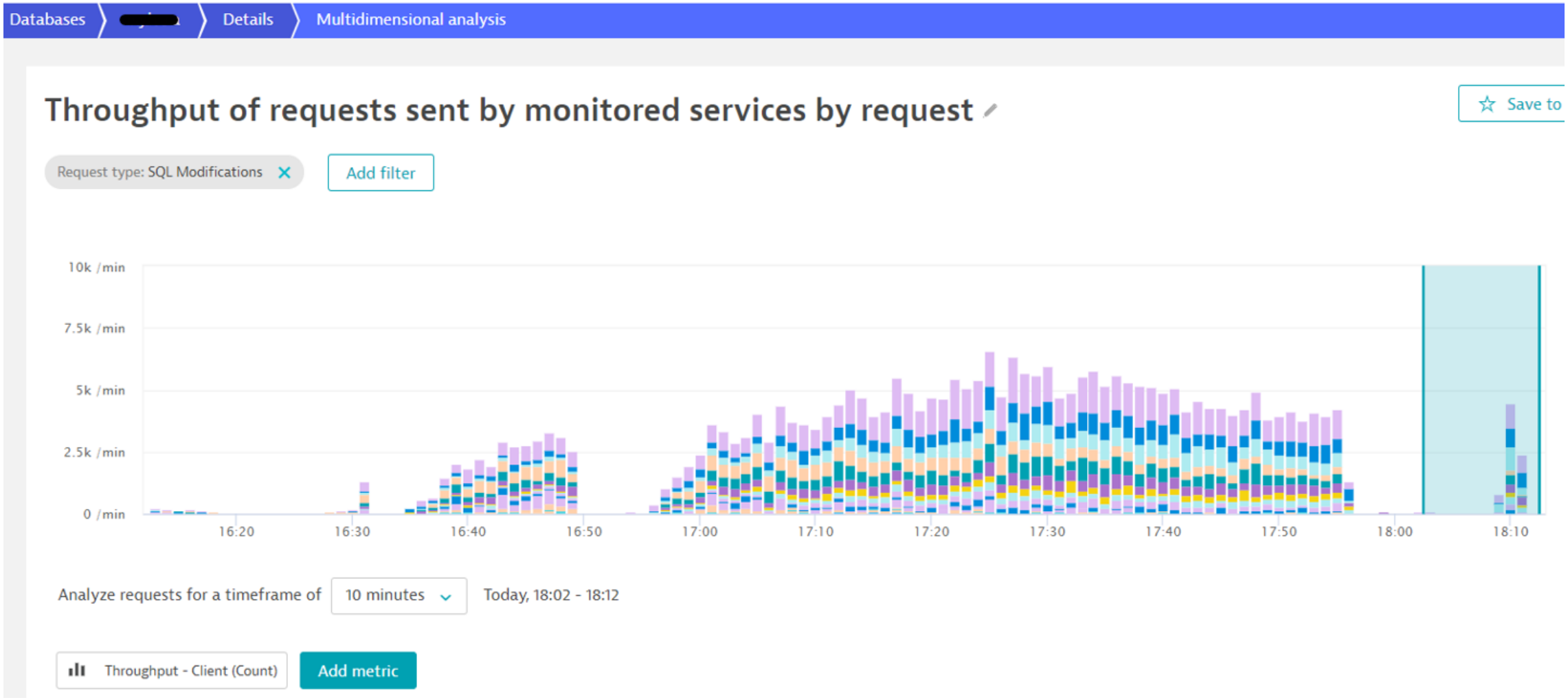
Failure rate increase
by a failure rate increase to 100 %

Affected requests	Service method
361k /min	4 Service methods

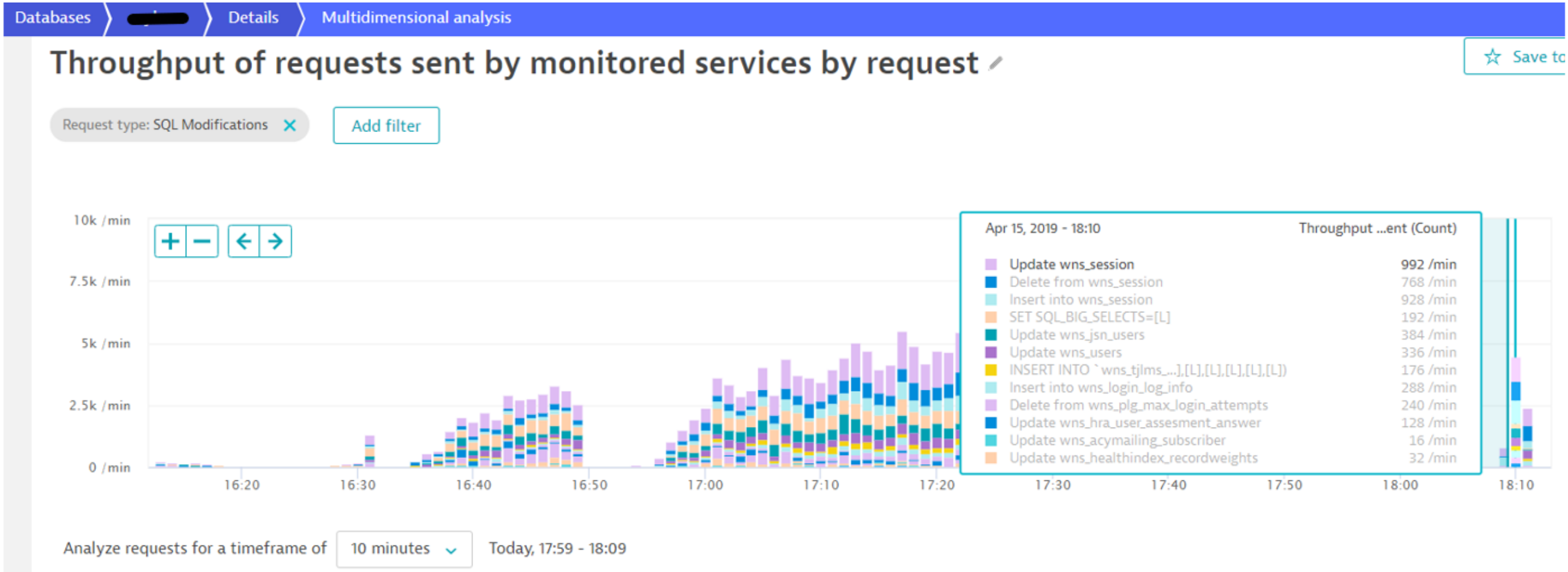
Response time degradation
The current response time (7.72 min) exceeds the auto-detected baseline (57.6 ms) by 805,064 %

Affected requests	Service method
214 /min	SQL Queries or Procedures

Dynatrace APM Screenshots



Dynatrace APM Screenshots



Dynatrace APM Screenshots

Databases > [redacted] > Details > Multidimensional analysis

Throughput - Client (Count) | Add metric

Series

Name	Throughput - Client (Count) ▾	Actions
Update wns_session	645 /min	
Delete from wns_session	312 /min	
Insert into wns_session	277 /min	
SET SQL_BIG_SELECTS=[L]	277 /min	
Update wns_jsn_users	264 /min	
Update wns_users	203 /min	
INSERT INTO `wns_tjlms_activities` (`action`,`parent_id`,`element`,`element_id`,`element_url`,`params`,`added_time`) VALUES ([L],[L],[L],[L],[L],[L],[L])	109 /min	
Insert into wns_login_log_info	106 /min	

Dynatrace APM Screenshots

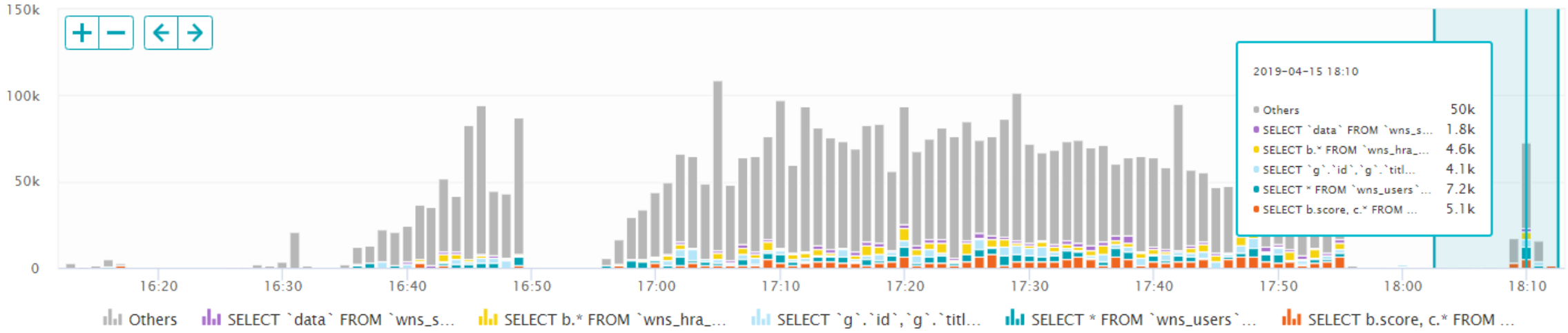
Diagnostic tools > Top database statements

Top database statements

Today, 16:12 - 18:12

Add filter

Distribution of database statements



Analyze statements for a 10 minutes timeframe. Today, 18:02 - 18:12

Dynatrace APM Screenshots

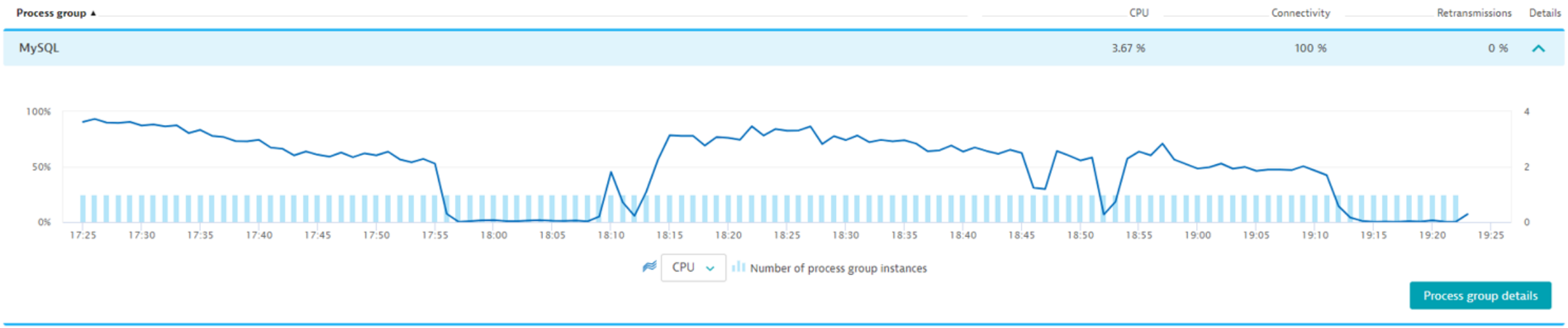
Diagnostic tools > Top database statements

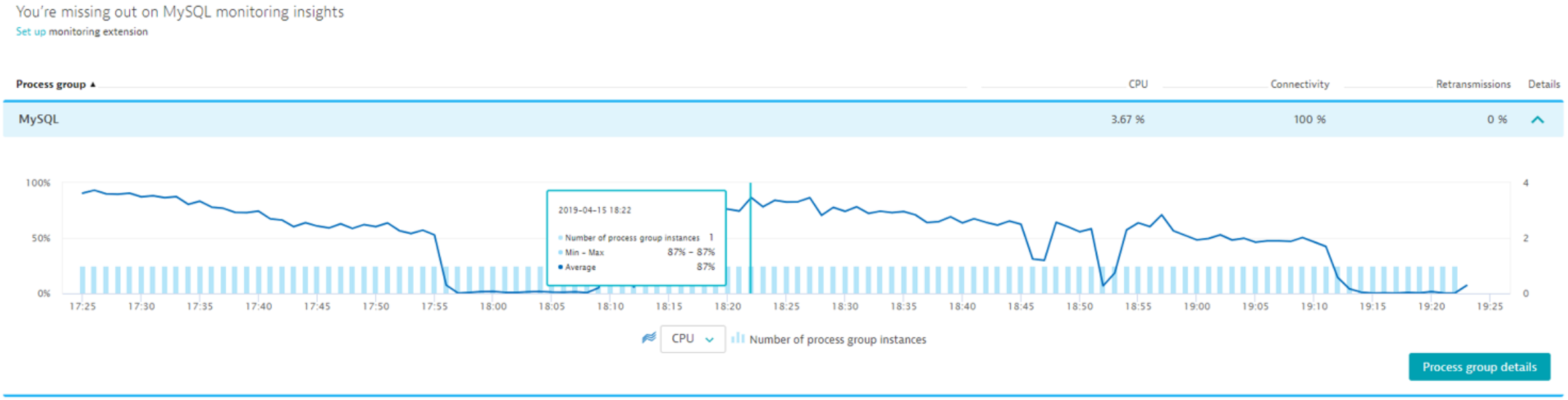
Filter on statement, database name, vendor, process and hostname.

Statement	Service name	Executions	Total executions	Actions
select b.score, c.* from `wns_hra_user_assesment` as a inner join `wns_hra_user_assesment_score` as b on b.user_assesment_id = a.id and a.user_id = b.user_id inner join `wns_hra_columns` as c on c.id = b.column_id where a.assesment_id = '*****' and a.user_id = '*****' and c.name = '*****' and a.state = '*****' order by b.id DESC	[redacted]	1.69k /min	202k	
select * from `wns_users` where `id` = '*****'	[redacted]	1.65k /min	198k	
select `g`.`id`,`g`.`title` from `wns_usergroups` as g inner join `wns_user_usergroup_map` as m on m.group_id = g.id where `m`.`user_id` = '*****'	[redacted]	1.53k /min	183k	
select b.* from `wns_hra_user_assesment` as a inner join `wns_hra_user_assesment_answer` as b on b.user_assesment_id = a.id and a.user_id = b.user_id where a.assesment_id = '*****' and a.user_id = '*****' and b.question_id = '*****' and a.state = '*****' order by b.id DESC	[redacted]	1.39k /min	167k	
select `data` from `wns_session` where `session_id` = '*****'	[redacted]	851 /min	102k	
SHOW TABLES	[redacted]	774 /min	92.9k	

Executions	1.69k /min
Total executions	202k
Total time	7.14 s/min
Response time	1.74 ms
Slowest 10 %	8.4 ms
Failure rate	0 %

Dynatrace APM Screenshots





Dynatrace APM Screenshots

Problems > Problem 19

2 services: Response time degradation

Problem 19 detected at 19:21 (open for 19 minutes).

Close problem

Affected applications
-

Affected services
2

Affected infrastructure
-

1,710
Dependencies analyzed

Business impact analysis

An analysis of all affected service calls and impacted real users during the first 28 minutes of the problem shows the following potential impact.

6
Impacted users

425k
Affected service calls

Show more

2 impacted services

2.04k Requests per minute impacted

[redacted]
Database

Response time degradation
The current response time (323 ms) within the slowest 10% exceeds the auto-detected baseline (39.2 ms) by 724 %

Affected requests
1.91k /min

Service method
SQL Modifications

PHP on FPM pool www
Web request service

Response time degradation
The current response time (3.31 s) exceeds the auto-detected baseline (199 ms) by 1,563 %

Affected requests
130 /min

Service method
All dynamic requests

Root cause

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

PHP on FPM pool www
Web request service

Response time degradation
All dynamic requests slow

Today, 19:21 - 19:40

Metric anomalies detected
Review the metrics which show abnormal or outlying behavior.

Server response time
+ 628 ms
Now
Before

Client throughput
+ 11.3k /min
Now
Before

Analyze findings

[redacted]:443
Web request service

Metric anomalies detected
Review the metrics which show abnormal or outlying behavior.

Server throughput
- 307 /min
Now
Before

Dynatrace APM Screenshots

Transactions & services › localhost:443

localhost:443

Seen recently

Smartscape view

Properties and tags

1 Application

1 Service

1 Network client

1.2k /min Throughput

3 Apache HT...

5 Services

0 Databases

Dynamic web requests

Response time 543 ms

Failure rate 32 %

CPU 2.57 ms/req

Throughput 1.2k /min

View dynamic requests

Resource requests

1.52 ms	0 %	361 µs/req	2 /min
Response time	Failure rate	CPU	Throughput

View resource requests

2 Problems Today, 17:47 - 19:47

Problem 683: Multiple service problems

5 services
Since 2019 Apr 15 16:35:00 (3 hours 12 minutes)

Problem 871: Response time degradation

2 services
Since 2019 Apr 15 15:46:00 (4 hours 1 minute)

No hotspots detected

Multidimensional analysis views

Create chart

This section will list your bookmarked multidimensional analysis views for this service. Click 'Create chart' to start.

Understand dependencies Today, 17:47 - 19:47

Understand all dependencies and response time contributions

View service flow

Understand which user actions and related services are dependent on this service

Analyze backtrace

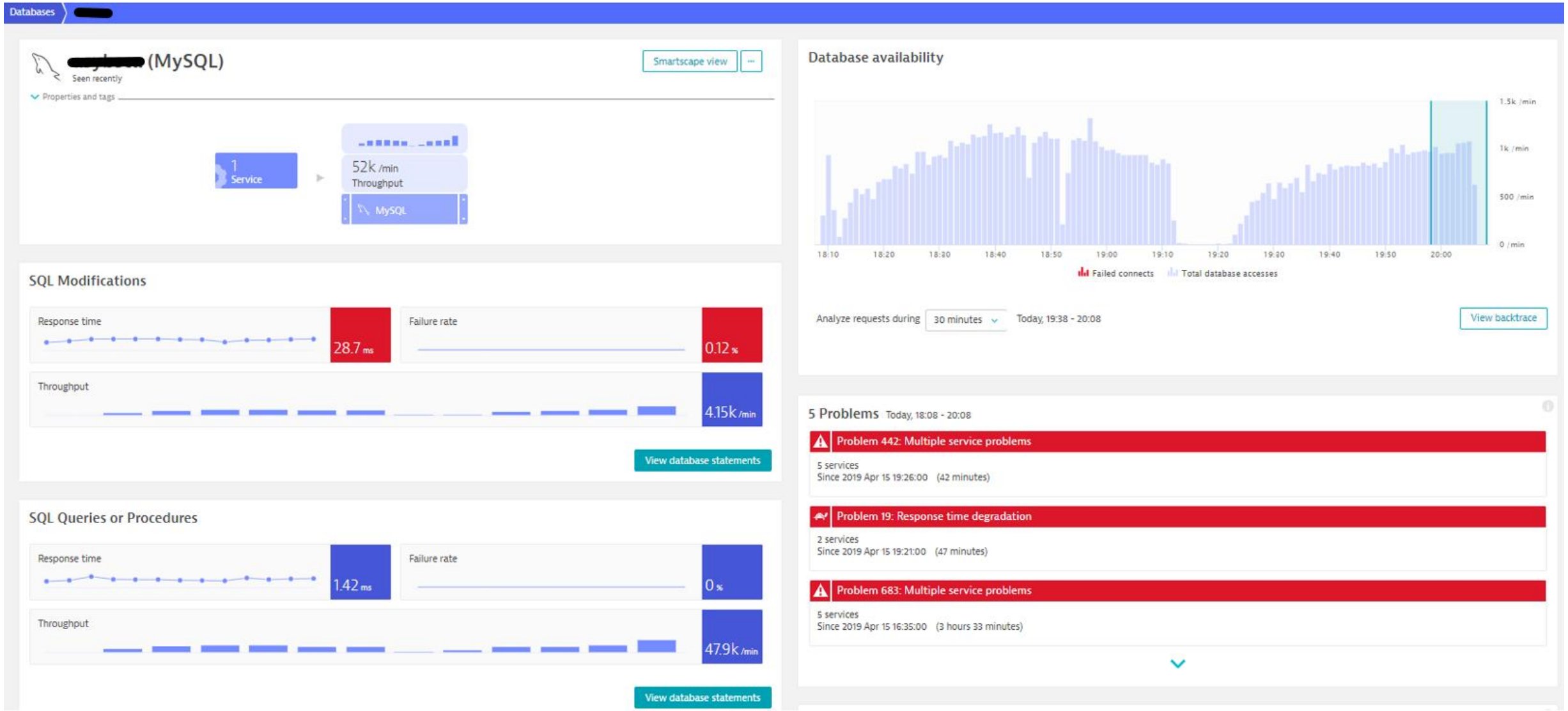
Understand and analyze which web requests are the most expensive and most frequently called

View web requests

17 Events Today, 17:47 - 19:47

Process crash details

Dynatrace APM Screenshots



Dynatrace APM Screenshots

Diagnostic tools > Exception analysis

Exception classes (18) | Affected services (4)

Filter for exception classes

Name	Total impacted	Count	Actions
JDatabaseExceptionConnecting		111k	
Execution of PHP script terminated by either 'die' or 'exit' function with exit status		111k	
Exception		59.5k	
RuntimeException		59.5k	
PHP Warning		56k	
FOF30\Factory\Exception\ModelNotFound		20.8k	
MySQLi::QueryError		18.6k	
PHP error		11.3k	
JDatabaseExceptionExecuting		9.27k	
FOF30\Model\DataModel\Exception\TreeIncompatibleTable		8.19k	
FOF30\Factory\Exception\DispatcherNotFound		8.12k	
FOF30\Factory\Exception\FormNotFound		4.97k	
FOF30\Factory\Exception\ToolbarNotFound		2.62k	
FOF30\Factory\Exception\TransparentAuthenticationNotFound		2.13k	
FOF30\Factory\Exception\ViewNotFound		1.73k	
FOF30\Dispatcher\Exception\AccessForbidden		652	
FOF30\Factory\Exception\ControllerNotFound		6	

[redacted](MySQL)

Last call 1 minute ago

Smartscape view

Properties and tags

1 Service

206 /min Throughput

MySQL

SQL Modifications

Response time 770 µs

Failure rate 51 %

Throughput 136 /min

1 impacted service

15.6k Requests per minute impacted

Database

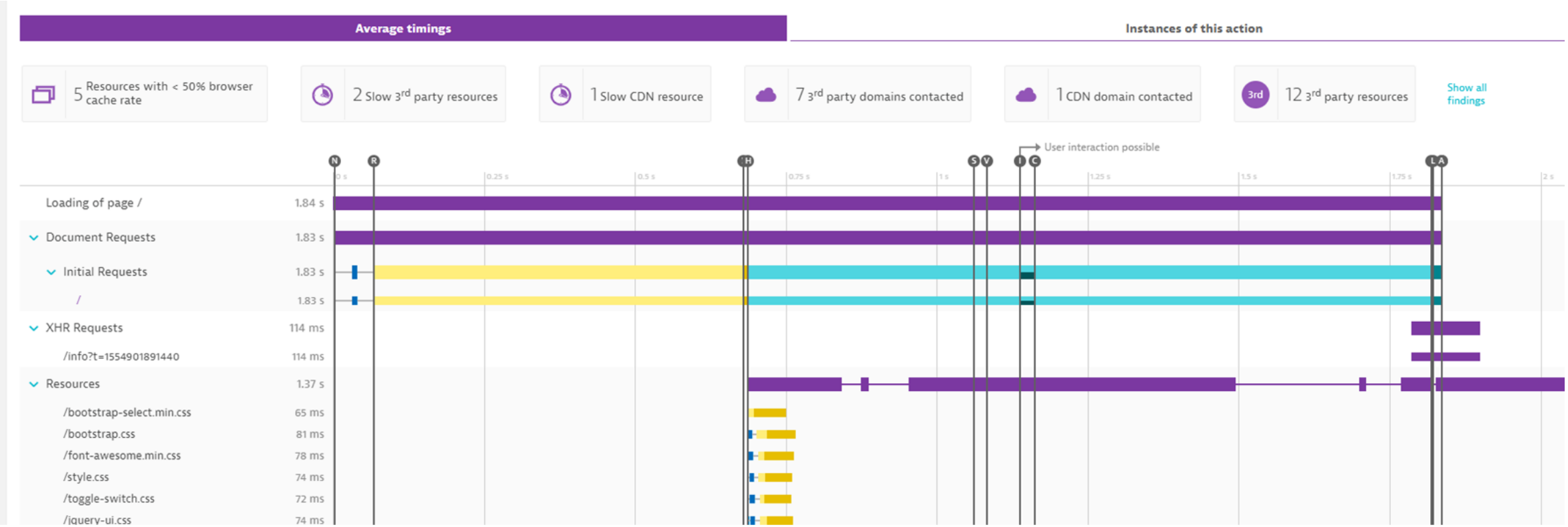
Failure rate increase

by a failure rate increase to 0.28 %

Affected requests
15.6k /min

Service method
SQL Modifications

Dynatrace APM Screenshots



Top 3 web request contributors

Name	Service	Total time consumption ▾	Response time	Failure Rate	Requests
/	localhost:443		606 ms	0 %	0.2 /min
Images	localhost:443		933 µs	0 %	5.4 /min
CSS	localhost:443		1.83 ms	0 %	2.6 /min

Dynatrace APM Screenshots

Composite metrics across response times

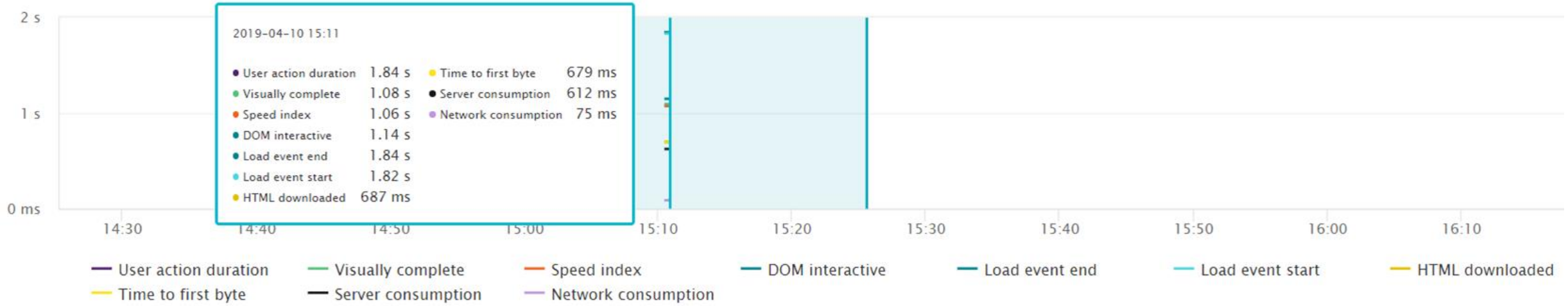
Median | Slowest 10% | Fastest 10% metrics of Load actions

1.84 s User action duration	1.08 s Visually complete	1.06 s Speed index	1.14 s DOM interactive	1.84 s Load event end
1.82 s Load event start	0.69 s HTML downloaded	0.68 s Time to first byte	0.61 s Server contribution	0.08 s Network contribution

Hide metrics

Compare to previous time frame | Analyze performance

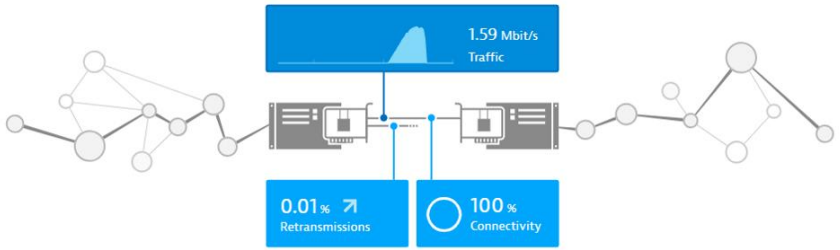
Analyze user actions during the past 30 minutes . Click anywhere in the chart below to adjust the analysis timeframe.



Dynatrace APM Screenshots

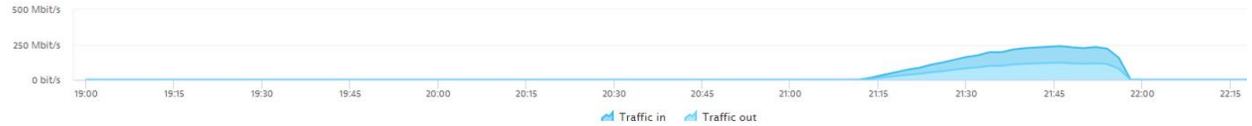
Network overview

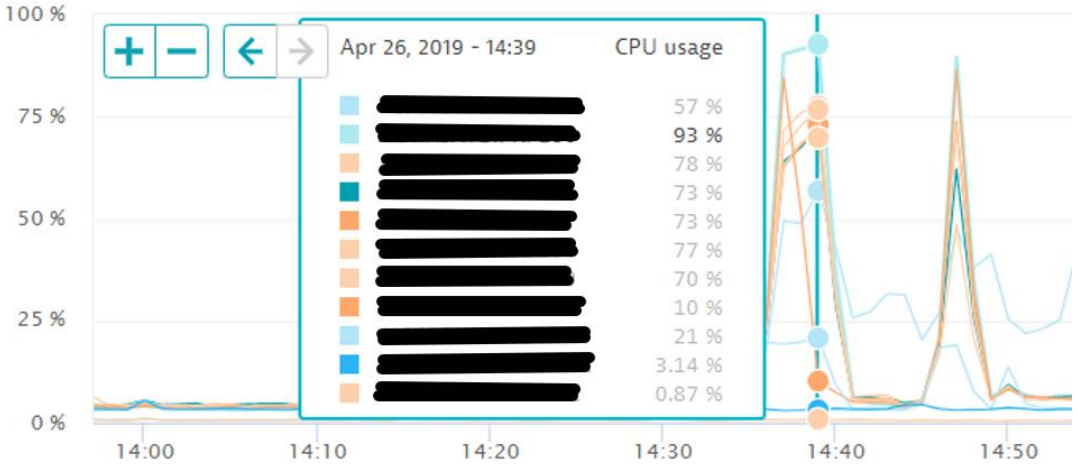
Key network KPIs related to the usage and performance of your network are shown below. Click a metric to view more detail.



Traffic

Total traffic received/sent by monitored hosts. Click into chart to adjust analysis timeframe.





All monitored databases

4 databases

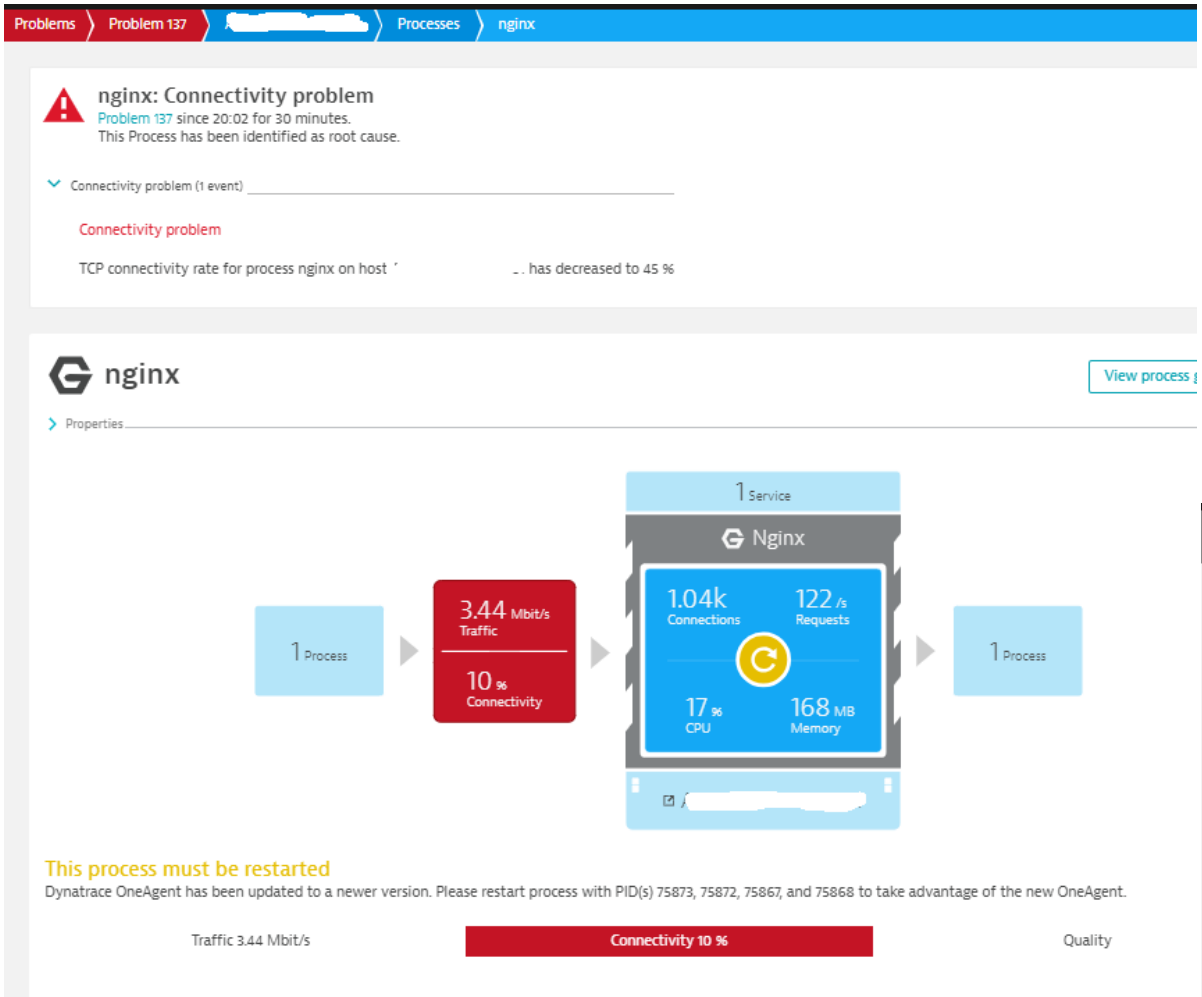
View top database statements

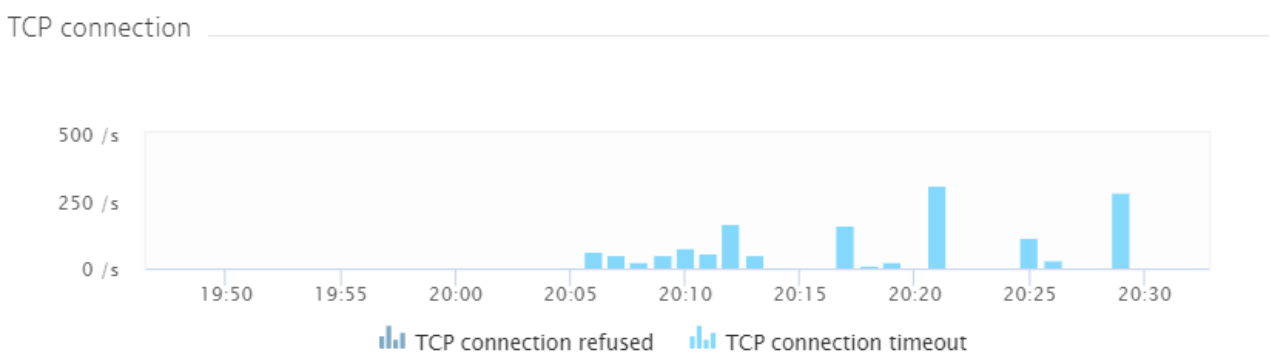
Showing current values

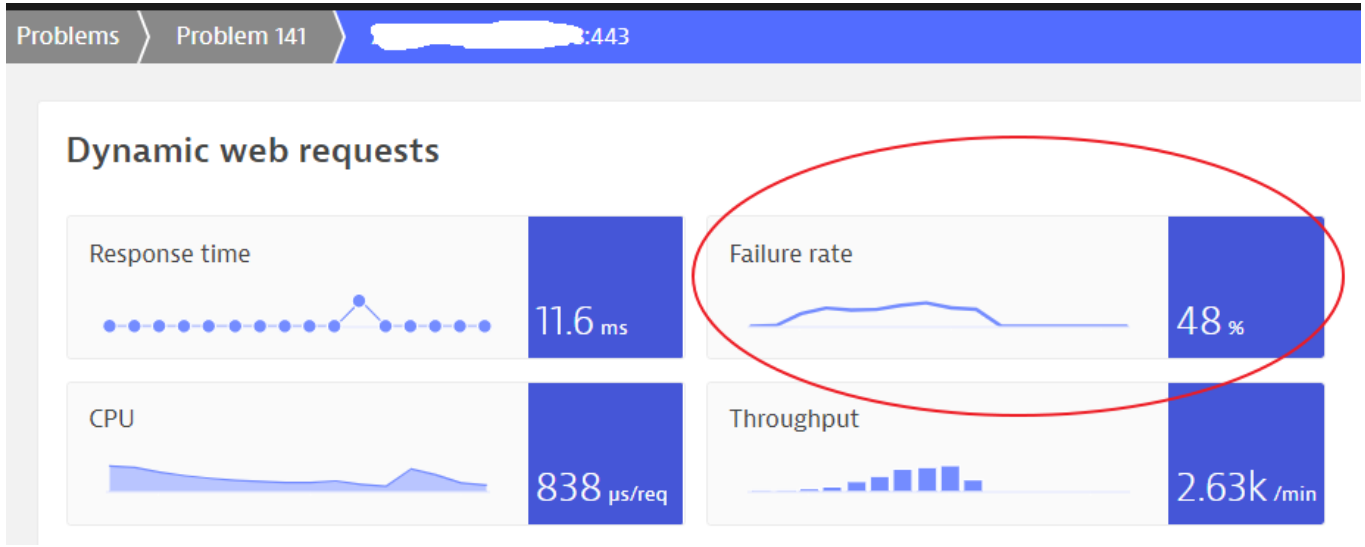
Filtered by:

Name	Response time median	Failure rate	Requests
[redacted] MySQL on [redacted]	1.57 ms	0.01 %	40.1k /min
[redacted] MySQL on [redacted]	580 µs	0 %	633 /min
[redacted] MySQL on [redacted]	-	-	0 /min
<default> MySQL on [redacted]	-	-	0 /min

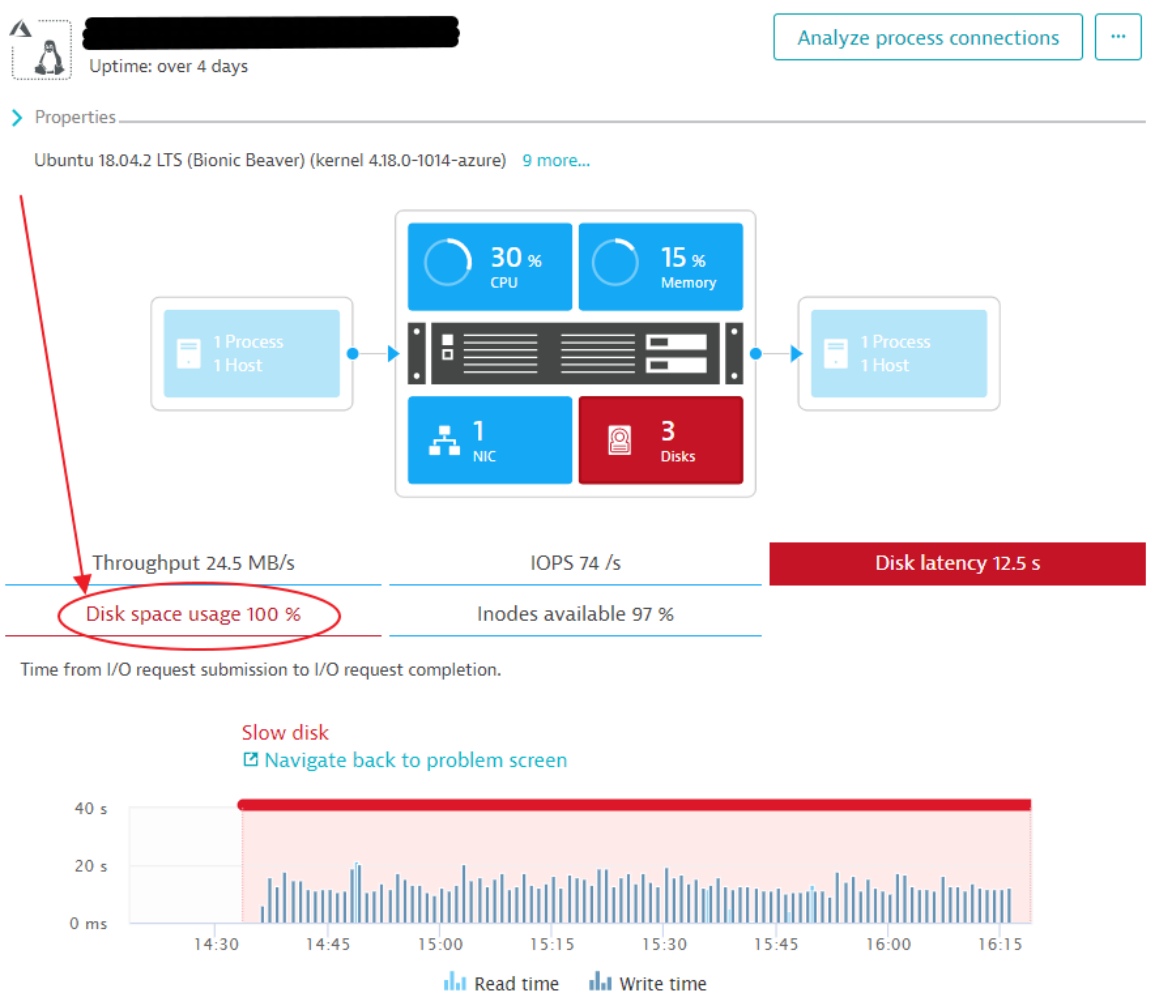
Dynatrace APM Screenshots

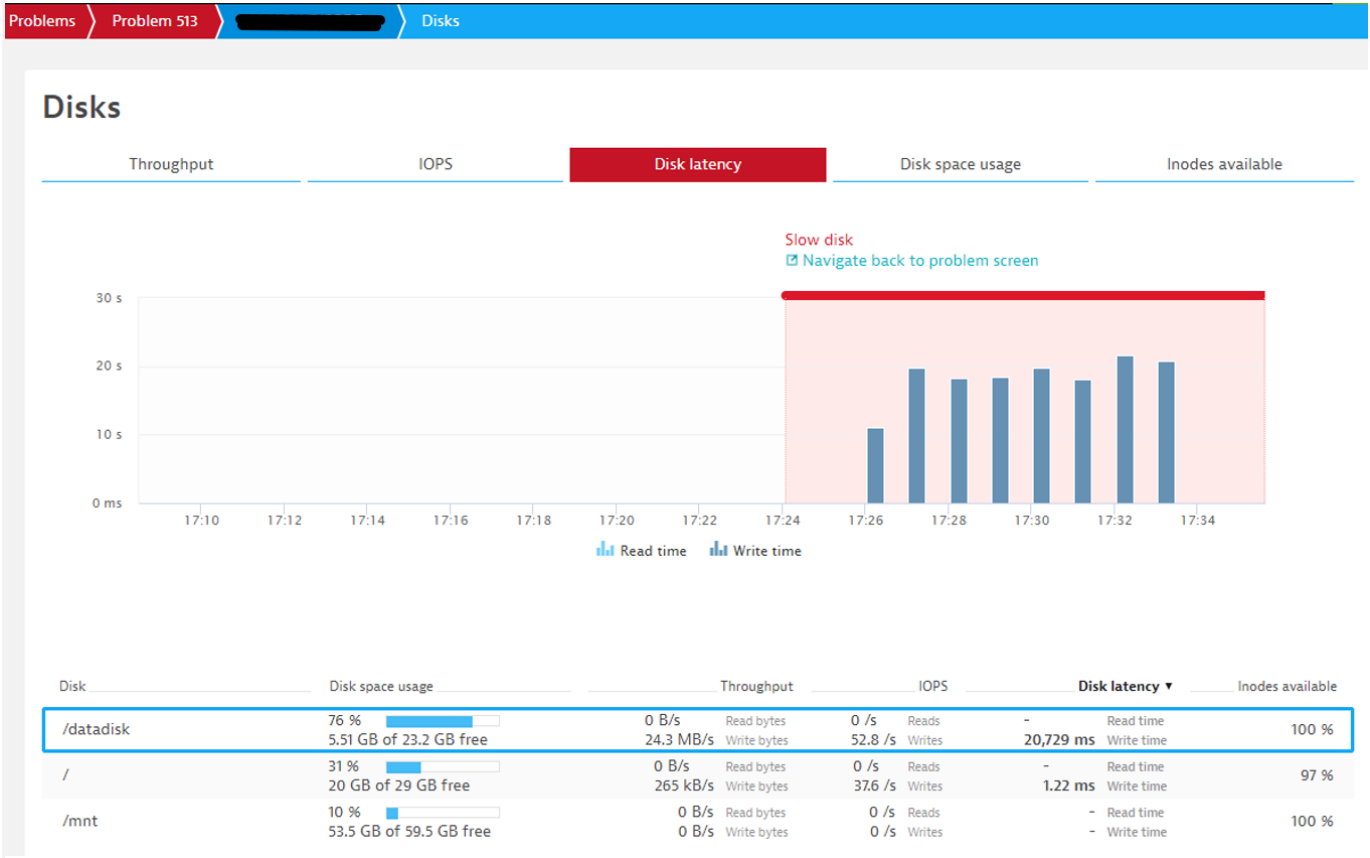




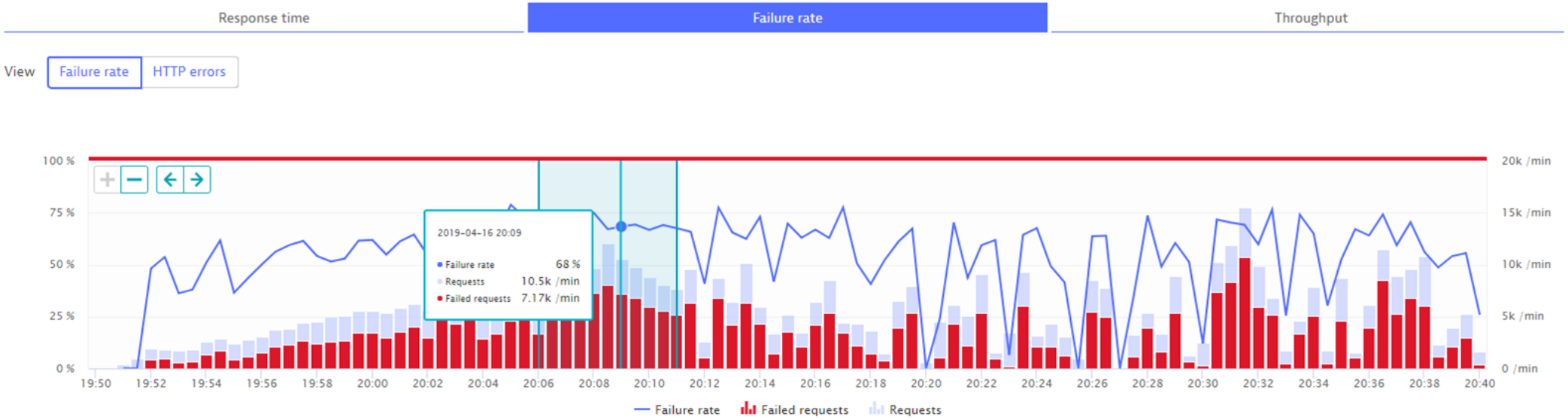


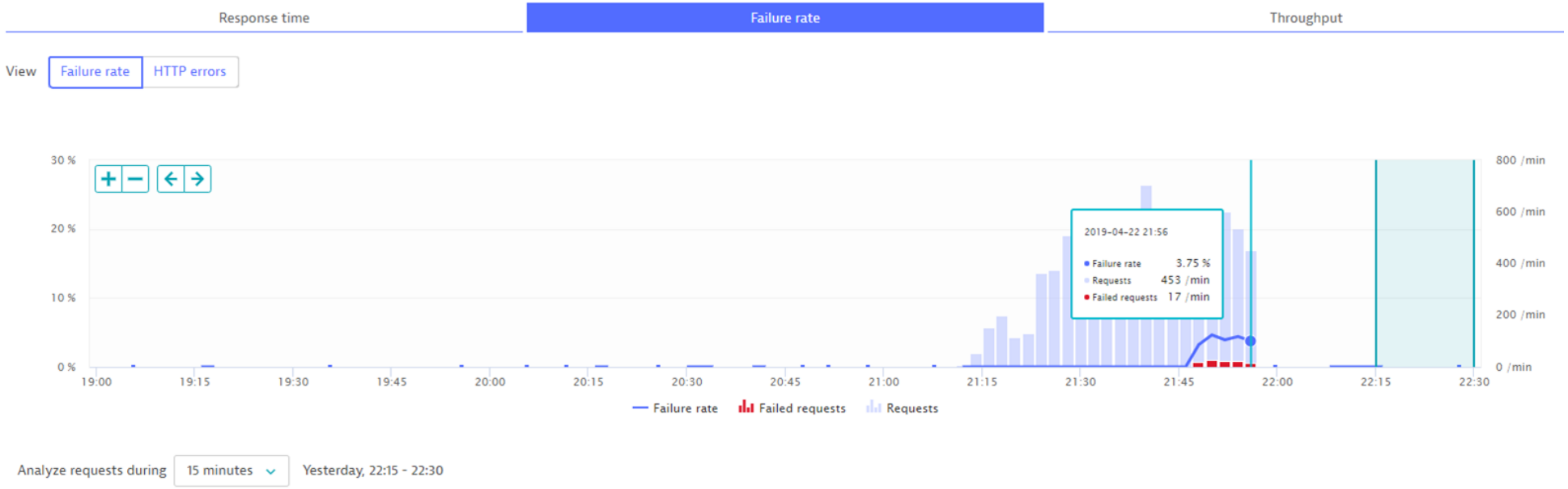
Dynatrace APM Screenshots



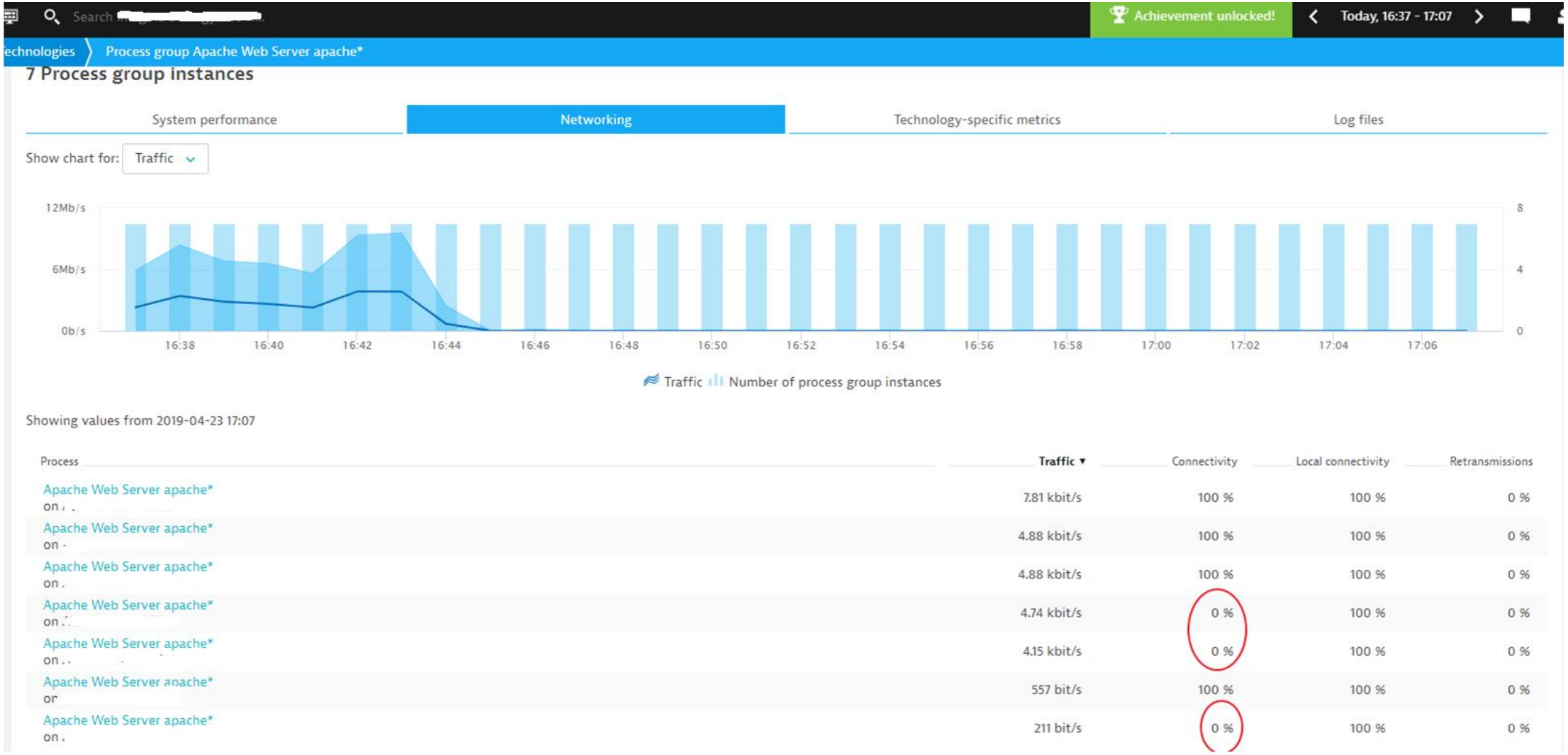


Dynatrace APM Screenshots





Dynatrace APM Screenshots



Process	Traffic ▾	Connectivity	Local connectivity	Retransmissions
Apache Web Server apache* on	7.81 kbit/s	100 %	100 %	0 %
Apache Web Server apache* on	4.88 kbit/s	100 %	100 %	0 %
Apache Web Server apache* on	4.88 kbit/s	100 %	100 %	0 %
Apache Web Server apache* on	4.74 kbit/s	0 %	100 %	0 %
Apache Web Server apache* on	4.15 kbit/s	0 %	100 %	0 %
Apache Web Server apache* on	557 bit/s	100 %	100 %	0 %
Apache Web Server apache* on	211 bit/s	0 %	100 %	0 %

Dynatrace APM Screenshots

asybsca > Details > Backtrace

The services and applications listed below make calls to this service. The tree view represents the sequence of services and application user actions that led to this service call, beginning with the page load or user action in the browser that triggered the sequence. Click to see which specific requests and user actions called this service

Incoming requests to this service

asybsca MySQL on [redacted]	1.84M Requests 1.84M Failed requests	
PHP on FPM pool www PHP-FPM	1.84M Requests 0 Failed requests	
[redacted]443 Apache Web Server apache*	342k Requests 0 Failed requests	
[redacted]443 Apache Web Server apache*	329k Requests 0 Failed requests	
[redacted]443 Apache Web Server apache*	302k Requests 0 Failed requests	
[redacted]443 Apache Web Server apache*	301k Requests 0 Failed requests	
[redacted]443 Apache Web Server apache*	289k Requests 0 Failed requests	
[redacted]443 Apache Web Server apache*	273k Requests 0 Failed requests	

Requests to [redacted]

select * from wns_session order by rand() limit 1;	1.84M Requests 1.84M Failed requests	
select b.score, c.* from `wns_hra_user_assesment` as a inner join `wns_hra_user_assesment_score` as b on b.user_assesment_id = a.id and a.user_id = b.user_id inner join `wns_hra_columns` as c on c.id = b.column_id where a.assesment_id = '*****' and a.user_id = '*****' and c.name = '*****' and a.state = '*****' order by b.id DESC	30 Requests 0 Failed requests	
select * from `wns_social_config` where `type` = '*****'	14 Requests 0 Failed requests	
select m.id, m.title, m.module, m.position, m.content, m.showtitle, m.params, mm.menuid from wns_modules as m left join wns_modules_menu as mm on mm.moduleid = m.id left join wns_extensions as e on e.element = m.module and e.client_id = m.client_id where m.published = '*****' and e.enabled = '*****' and (m.publish_up = '*****' or m.publish_up <= '*****') and (m.publish_down = '*****' or m.publish_down >= '*****') and m.access in ('*****','*****','*****') and m.client_id = '*****' and (mm.menuid = '*****' or mm.menuid <= '*****') order by m.position, m.ordering	14 Requests 0 Failed requests	
select m.id, m.menutype, m.title, m.alias, m.note, m.path as route, m.link, m.type, m.level, m.language,`m`.`browserNav`, m.access, m.params, m.home, m.img, m.template_style_id, m.component_id, m.parent_id,e.element as component from wns_menu as m left join wns_extensions as e on m.component_id = e.extension_id where m.published = '*****' and m.parent_id > '*****' and m.client_id = '*****' order by m.lft	14 Requests 0 Failed requests	

1 2 3 4 5

Analysis of [redacted] requests

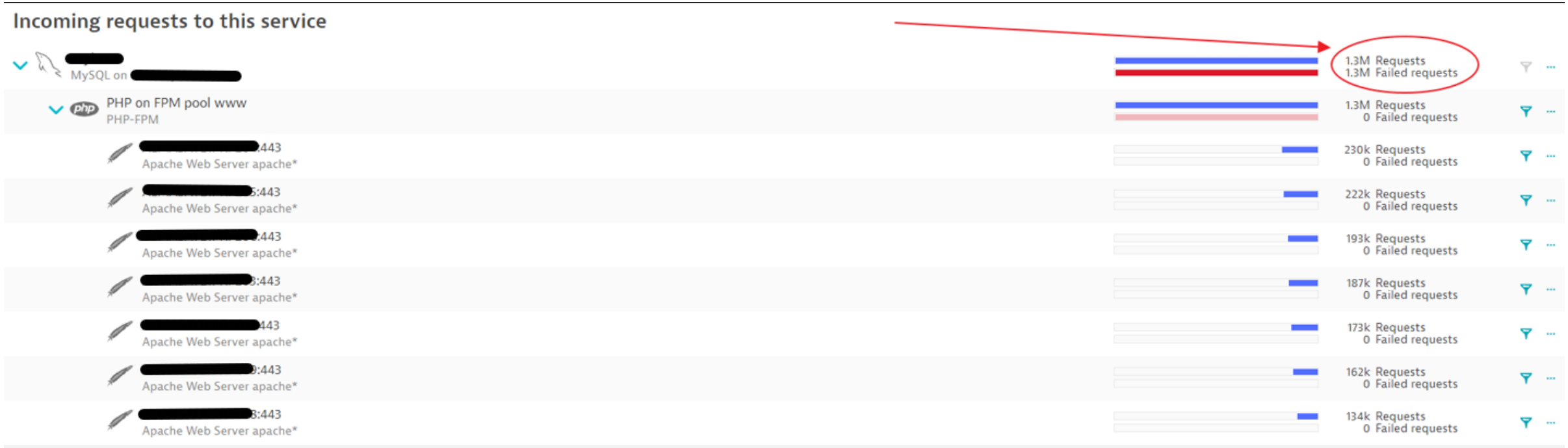
- 1.84M [redacted]equests analyzed
- 1.84M [redacted] requests failed

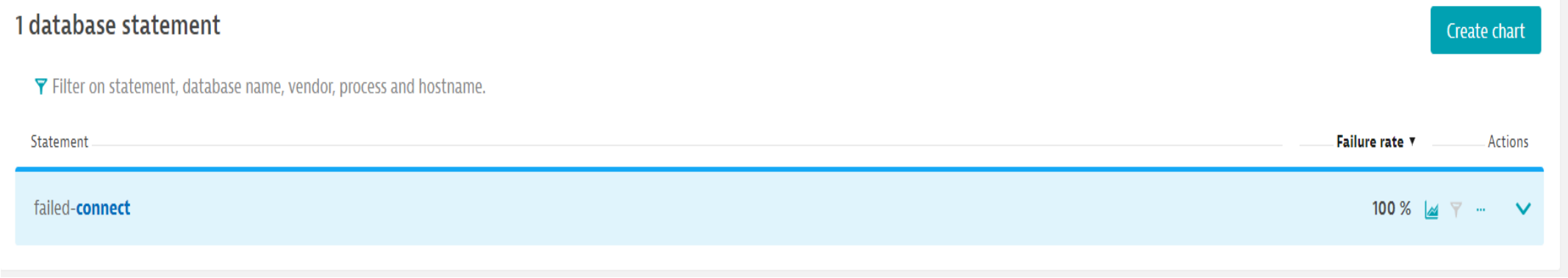
Reasons for failed requests | Stacktrace | Referring pages | Proxies | Analyze

For root cause go to 'Analyze' tab and click 'View details of failures' of selected service.

PHP Warning	1.84M Failed requests
mysqli::query(): Couldn't fetch mysqli	1.84M Failed requests

Dynatrace APM Screenshots





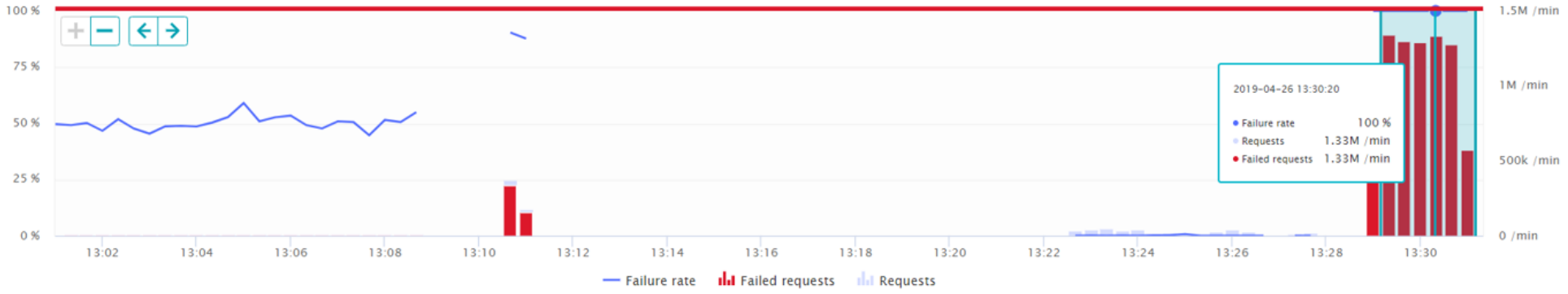
Dynatrace APM Screenshots

[redacted]

Request type: SQL Modifications ✕ | Add filter

Response time | **Failure rate** | Throughput

Failure rate of requests sent by monitored services



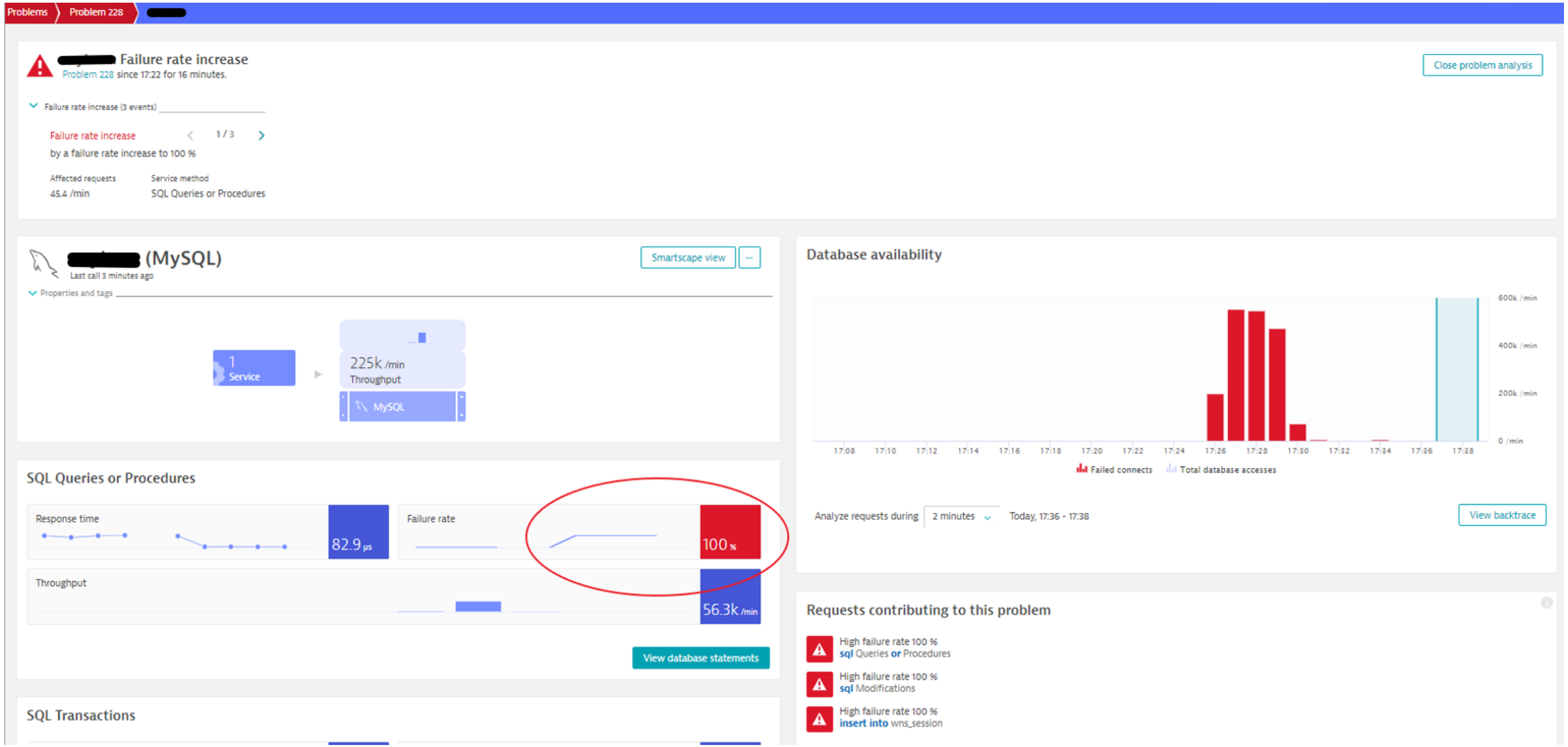
Database statements

Create chart

Filter on statement, database name, vendor, process and hostname.

Statement	Failure rate	Actions
insert into wns_session	95 %	
delete from wns_session	94 %	
update wns_session	0 %	

Dynatrace APM Screenshots



Dynatrace APM Screenshots

Database statements

Create chart

Filter on statement, database name, vendor, process and hostname.

Statement	Failure rate	Actions
select * from wns_session order by rand() limit 1;	100 %	

Executions	48.9k /min
Total executions	1.84M
Total time	8.15 s/min
Response time	524 µs
Slowest 10 %	920 µs
Failure rate	100 %

Rarely occured
select extension_id from wns_extensions where type='*****' and element = '*****'

Rarely occured
select params from wns_extensions where element = '*****' and folder = '*****'

Rarely occured
select * from `wns_social_config` where `type` = '*****'

Rarely occured
select b.id from wns_usergroups as a left join wns_usergroups as b on b.lft <= a.lft and b.rgt >= a.rgt where a.id = '*****'

Hotspots in selected timeframe

High failure rate 100 %
failed-**connect**

High consumption of service resources 54 %
failed-**connect**

Slow response time 187 ms
update wns_session

Showing the 1000 most recent PurePaths of requests of '[redacted]'

Today, 13:29 - 13:31 | Apply

Request type: SQL Transactions | Request: failed-connect | Add filter

Filter for...

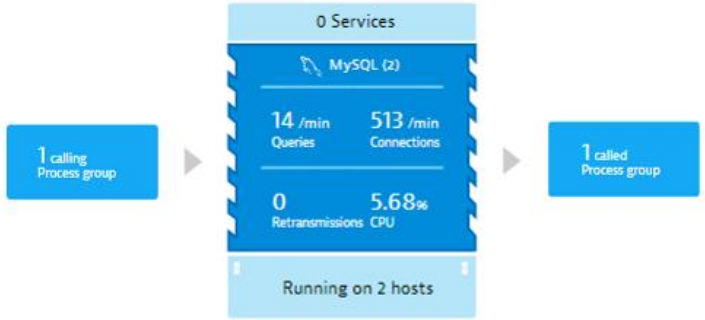
Name	Time	Response time	Fetches	Rows returned	Details
failed-**connect**	2019 Apr 26 13:31:09.882	9.33 ms			
failed-**connect**	2019 Apr 26 13:31:09.881	9.92 ms			
failed-**connect**	2019 Apr 26 13:31:09.858	7.17 ms			
failed-**connect**	2019 Apr 26 13:31:09.850	36.8 ms			
failed-**connect**	2019 Apr 26 13:31:09.840	6.77 ms			
failed-**connect**	2019 Apr 26 13:31:09.828	9.34 ms			
failed-**connect**	2019 Apr 26 13:31:09.826	10 ms			

Dynatrace APM Screenshots

MySQL

Edit ···

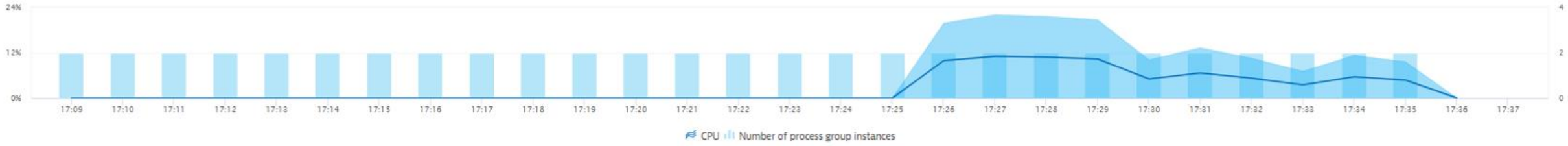
Properties



2 Process group instances

System performance | Networking | Technology-specific metrics | Log files

Show chart for: CPU



Showing current values

Process	CPU ▾	Memory usage	Responsiveness	Worker processes
MySQL on [redacted]	9.61 %	4.08 GB	0.08 µs	1
MySQL on [redacted]	0.07 %	375 MB	-	1

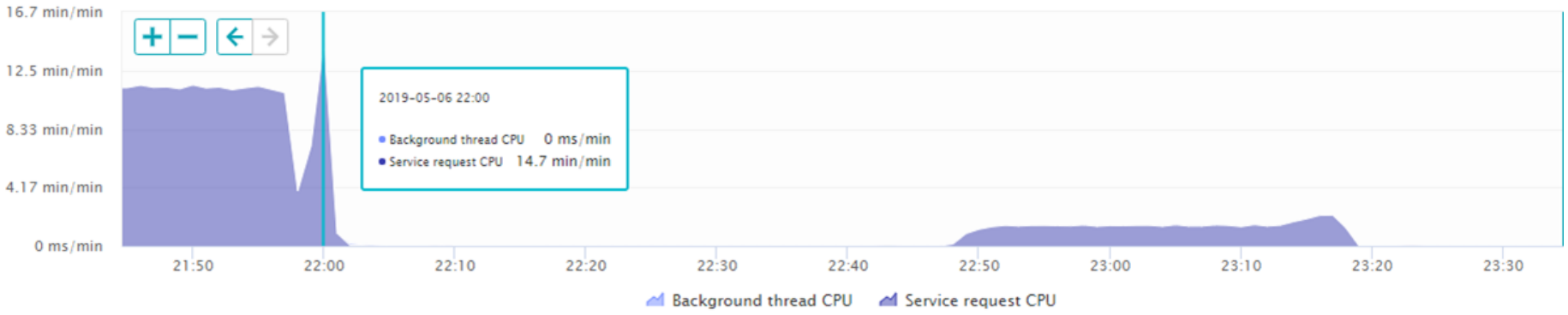
Dynatrace APM Screenshots

CPU profiler (code level)

See how much of your monitored processes' CPU is consumed by service requests, background threads, and garbage collection. Use this information to optimize your code in these respective areas. More...

Filtered by:

Showing last values



Analyze CPU consumption for 10 minutes Today, 23:34 - 23:44

Process group	Type	Overall CPU consumption ▾	CPU usage at mark	
Apache Web Server apache*	Background thread CPU		5.29 ms/min	
PHP-FPM	Background thread CPU		59 ms/min	
PHP-FPM	Service request CPU		59 ms/min	Show code level
Apache Web Server apache*	Service request CPU		5.29 ms/min	