

掌控您的数字化天地

Perform 上海

明天你还想监控什么？

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2017年8月2日



监测 - 你想到什么?

能见度

01

告警

02

度量

03

运维

04

优质服务

05

这些好像都讲了很多年...

CPU 服务器 App 响应时间 利用率
进程 应用 网络 用户体验
可用性 路由 垃圾收集频率
中间件 云 防火墙 Exception

SDN

BlockChain

IoE

AI

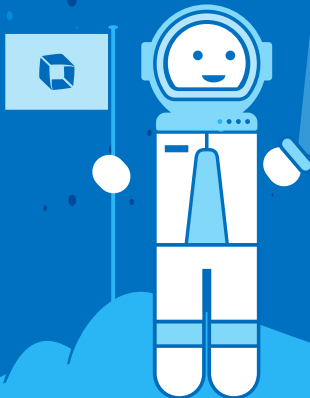
CX

MAS

XaaS

CPU 服务器 响应时间 碎片
 进程 应用 网络 利用率
 可用性 路由 用户体验
 中间件 云 防火墙
 Exception

XaaS



云交付模式

自动化

敏捷性和成本节约



客户管理

供应商在云中管理

抽象化

PaaS 应用监控

- PaaS 的基本思路是企业可以专注于应用（编写代码），剩下的由平台处理
- 用户只需发布代码，不会接触到平台部份
- 比想象更成熟：
 - Cloud Foundry 建于2011
 - 微软也在2008年推出 Azure PaaS，比 IaaS 方案早 5 年推出





PaaS integration



Azure Web Apps

How do I integrate Azure Web Apps?



Cloud Foundry

How do I integrate Cloud Foundry apps?

You'll need your environment ID and a PaaS token to complete setup at your PaaS platform portal.

Environment ID

Copy

PaaS token

↔ Generate new token

Using a different PaaS platform?

[Drop us an email.](#)

支持 Azure 与 CloudFoundry

The screenshot shows the 'Installation Dashboard' for the 'Dynatrace Service Broker'. The interface includes a navigation menu on the left with options like 'Settings', 'Status', 'Credentials', and 'Logs'. The main content area is titled 'Operator-Defined Service Plans for Dynatrace SaaS/Managed' and contains a form for creating a service plan. The form fields include 'Plan Name' (with a placeholder 'example-name'), 'Environment ID' (with a placeholder 'someenvironmentid'), 'API token' (with a placeholder 'someapitoken'), and 'API base URL'. A 'Save' button is located at the bottom right of the form. Below the form, there is a small icon representing the 'Dynatrace Service Broker v1.2.0'. At the bottom of the dashboard, a footer reads 'PCF Ops Manager v1.8.7.0; ©2013-2016 Pivotal Software, Inc; All Rights Reserved.'

The screenshot shows the 'Microsoft Azure' 'Add extension' dialog. The dialog is titled 'Add extension' and 'Choose extension'. It features a list of extensions to choose from, each with an icon, name, and author. The extensions listed are:

- Dynatrace OneAgent (Dynatrace LLC)
- Crash Diagnoser (Freist Li)
- Explorer File manager (Gautam krishna R)
- WordPress CLI (Cory Fowler)
- ParseDashboardExtension (Matt Mason)
- Gulp (Nick Trogh)

The dialog also includes a '1 Choose Extension Choose an extension' step and a '2 Legal Terms Accept legal terms' step. An 'OK' button is located at the bottom of the dialog.

SaaS 应用监控

- SaaS 用户使用购买的服务, 一般不允许在页面加入脚本
- Real User Monitoring with Browser Plugin
 - 主要针对 SaaS 云平台厂商 (如Salesforce 、 Office365等) 真实用户体验
 - 基于浏览器插件, 允许 Dynatrace 监测任何网站数据
 - 在浏览器端加入RUM 脚本以取得真实用户流量
 - 现时 EAP 提供 Chrome 插件

Deploy Dynatrace

Deploy Dynatrace

Monitor all your real users and technologies by installing OneAgent

A single Dynatrace OneAgent monitors real user experience and all the technologies, services, and applications that run in your environment. Just install the agent. No configuration required. [More...](#)



Start installation



No access to your host?
No worries!

Even if you can't install an agent on your web server, you can still monitor user actions and user satisfaction.



Set up your web check

Web checks provide 24x7 visibility into the performance and availability of your web application.


Set up agentless or AMP monitoring

Set up PaaS integration


Add web check

Applications set up for agentless monitoring

Copy the JavaScript tag and paste it into each of your application's HTML pages:

 **ServiceNow SaaS Instance Monitoring**
Produce some user actions by triggering page loads within your application.

```
<script type="text/javascript" src="https://js-cdn.dynatrace.com/145e12d594f/ruxitagent_2fjoqr_10121170706152542.js" data-dtconfig="1|app=59CA712F666CD24D|cors=1|lastModification=0|reportUrl=https://fgmpzd.live.dynatrace.com/bf|tp=500,50,0,1" crossorigin="anonymous"></script>
```



Enable injection

URL regex

JavaScript tag

Save & close settings



Copy

Finish

ServiceNow SaaS Instance Monitoring

Pin to dashboard... ⋮

> Properties, tags, and JavaScript frameworks

Filter user types

Start typing to filter...

Performance analysis

Actions /min, Action duration, Apex rating, JavaScript errors, 3rd party providers and Services.

- 94 % Chro...
Top browser
- 100 % Rea...
Top user type
- View geographic breakdown

1.7 s
User action duration

<0.1 /min
User actions

0.90
Apdex rating

<0.1 /min
JavaScript errors

Resources

0.0 /action
3rd party/CDN resources

31.2 /action
Resources

0
Services

User behavior

Active sessions, Actions per session, Entry/Exit actions, Bounce rate, and Conversion goals.



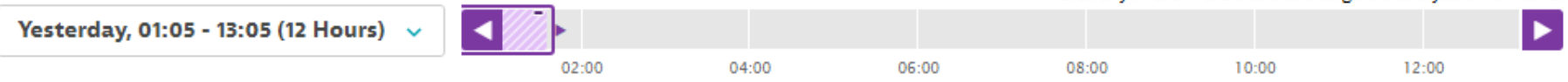
Actions

Show the median action duration for all actions

Waterfall analysis

for Loading of page /nav_to.do

Click anywhere in the chart to change the analysis time-frame.



Analysis timeframe: **2 Hours**

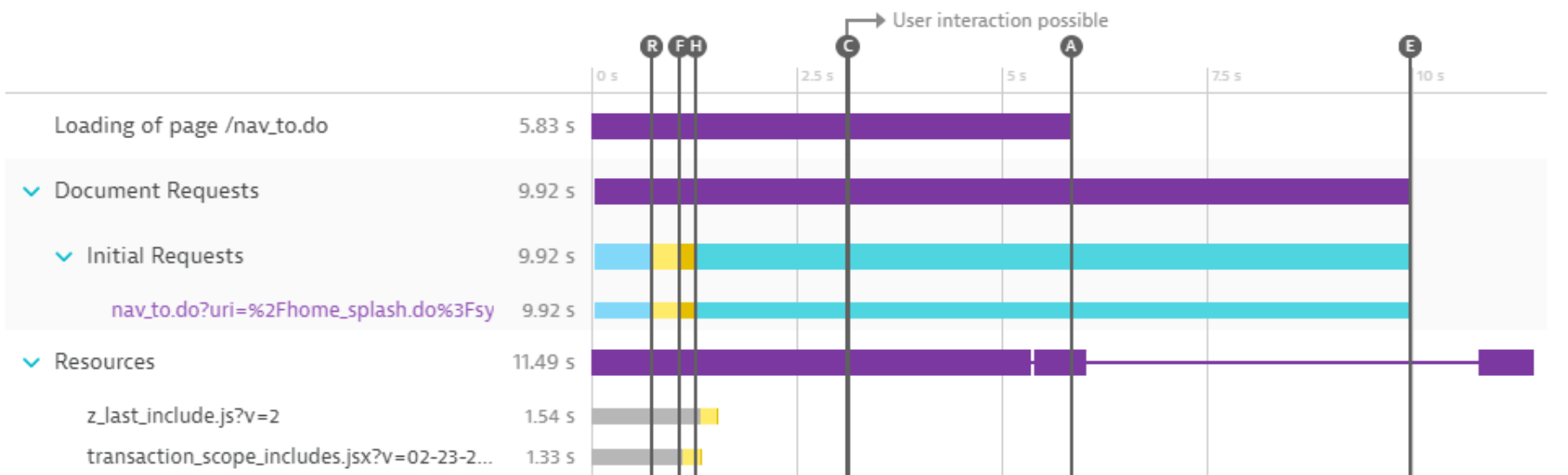
Display average timings, focus on **full waterfall**, **don't group** and **don't compare**

Average timings | Instances of this action

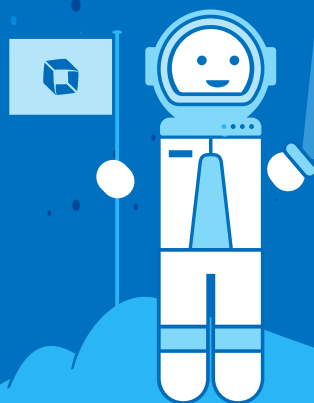
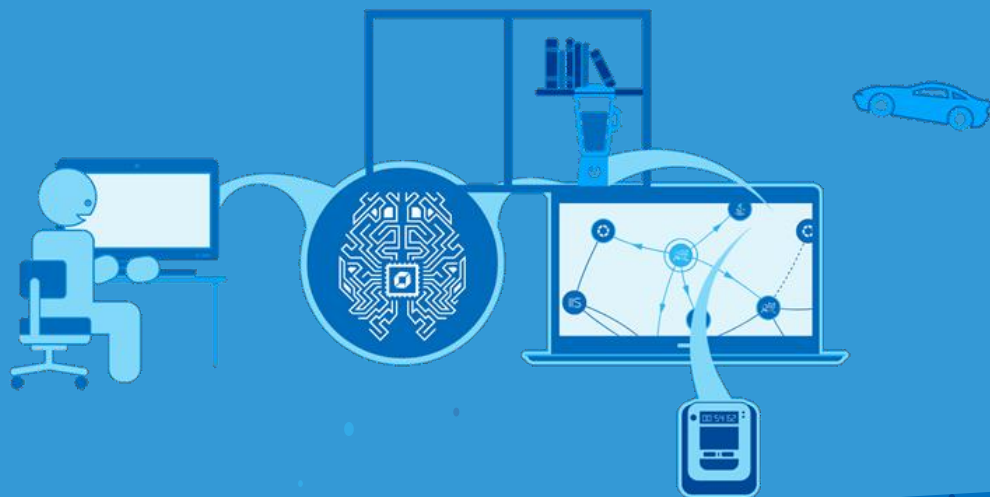
4 Resources larger than 100 kB

56 Resources have a lower browser cache rate than 50%

[Show all findings...](#)



IoT 与雾计算



物联网的特点

- 互相连接
 - 自己连接到互联网
 - 通过网关/数据集中器（同步或异步）
 - 彼此互通 - 蓝牙、wifi、蜂窝网络
- 便宜而且很多
 - 许多具有“一些”处理能力的设备
 - 大众市场应用（内置）
- 许多传感器都是以用户为中心的
 - 低功率

24 x 7

实践 Web 规模物联网生态系统的智能监控



边缘设备



应用和设备监控

解决方案



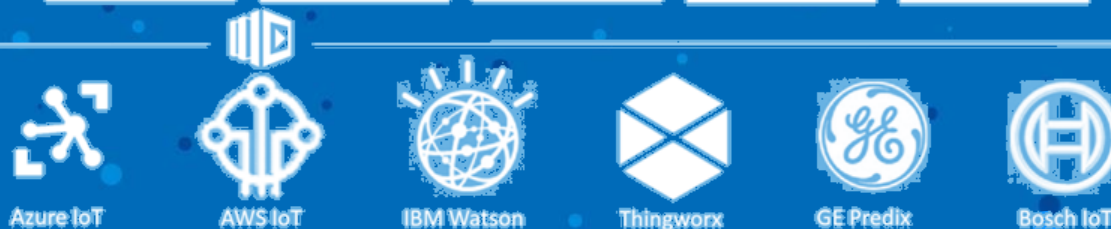
行为/业务监控

物联网应用



应用监控

物联网平台



通讯/交易监控

基础设施
计算平台



(云) 平台监控

Vehicle cockpit

Fleet management application

+ Add tag

All ▾

Usage

756 Users 1k Active sessions

1 /min Active users

HTTP performance

25k Web requests 12.5 % Error rate

Crashes

7 Crashes 99.2 % Crash-free users

0 /min Crashes

Called services

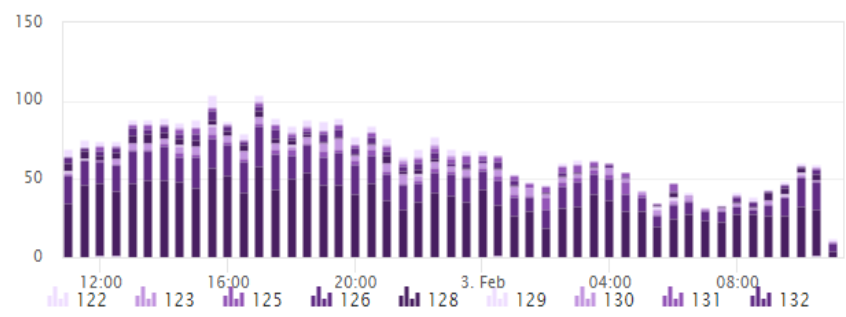
0 Services

Users and sessions

User actions

Firmware version distribution

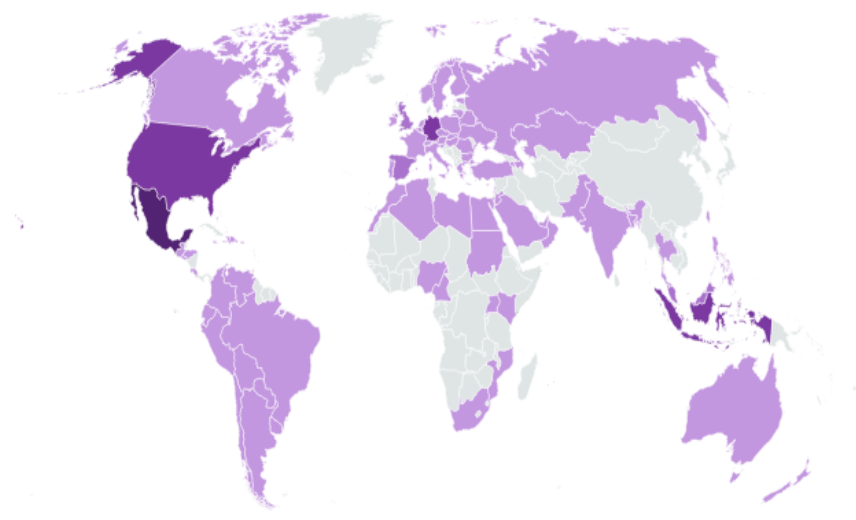
Shows the distribution of your firmware versions.



Geographic regions

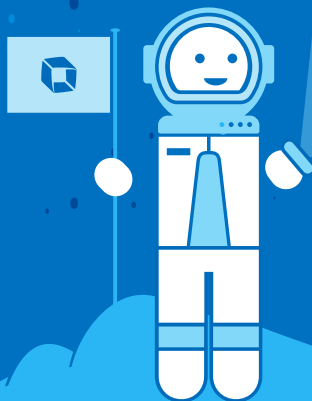
Analysis of application usage across regions.

View: Users ▾

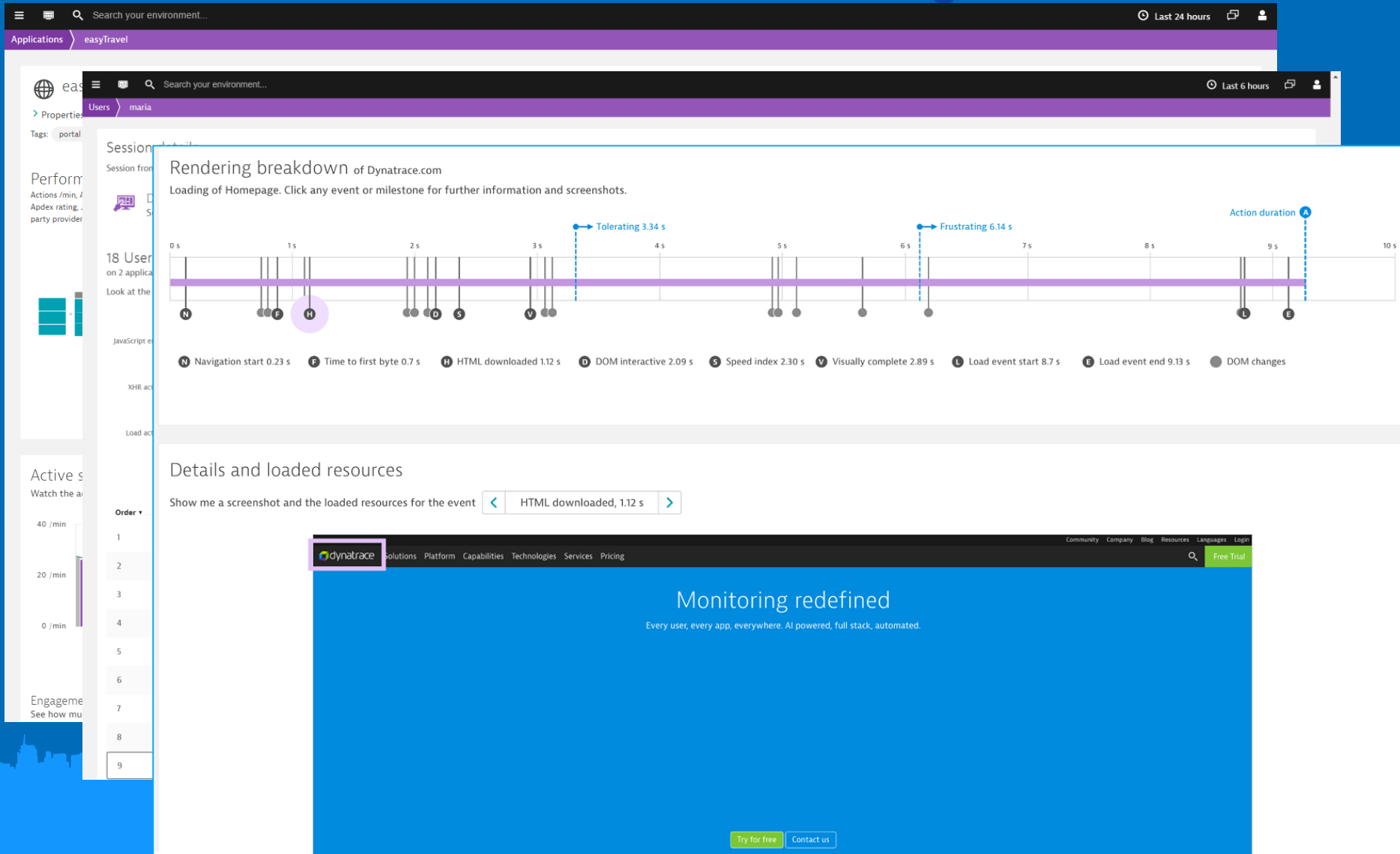


Countries	Active sessions	Users ▾	Crash count
Mexico	243	117	0
United States	71	54	0
Indonesia	111	52	1
Germany	87	49	1
Spain	126	46	0
United Kingdom	65	33	0
Malaysia	41	27	0
India	28	23	0

客户体验



我们是最先专注客户体验



你需要哪些客户体验？

- 不单是 IT 的事情, 但由 IT 支持
- PWA
- 客户体验旅程地图
 - 客户情感之旅
- 个性化 – 真实和相关经验
- 多渠道



www.dynatrace.com