

ADASTRA

 dynatrace

Jiří Kurejko

IIA

- 10+ let spolupráce
- Gartner Magic Quadrant lídr
- Komplexní řešení

Figure 1: Magic Quadrant for Application Performance Monitoring



Source: Gartner (April 2021)

Proč byste měli používat moderní observability platformu?

5 minut místo týdne hledání a řešení problémů

O₂

**Pokles počtu stížností
a aplikačních incidentů
o 90 % po nasazení Dynatrace**

Rychlost a stabilita aplikace pro sjednávání smluv



Problém 10:30 – každý den
v 10:30 aplikace zkolabovala

Výsledek = **stabilita a o 50 % rychlejší
odezvy**

Stížnosti uživatelů na **pomalou aplikaci z
konkrétní lokality,**
přestože všechny další lokality
jsou bez problémů

Visibilita, dostupnost a bezpečnost v cloudových prostředích

The Dynatrace software intelligence platform



AI-assistance Continuous automation Intelligent observability Cross team collaboration User experience and business analytics



SaaS and Managed

Traces Metrics Logs + Topology Behaviour Code Metadata Network + API OpenTelemetry keptn

500+ Supported technologies

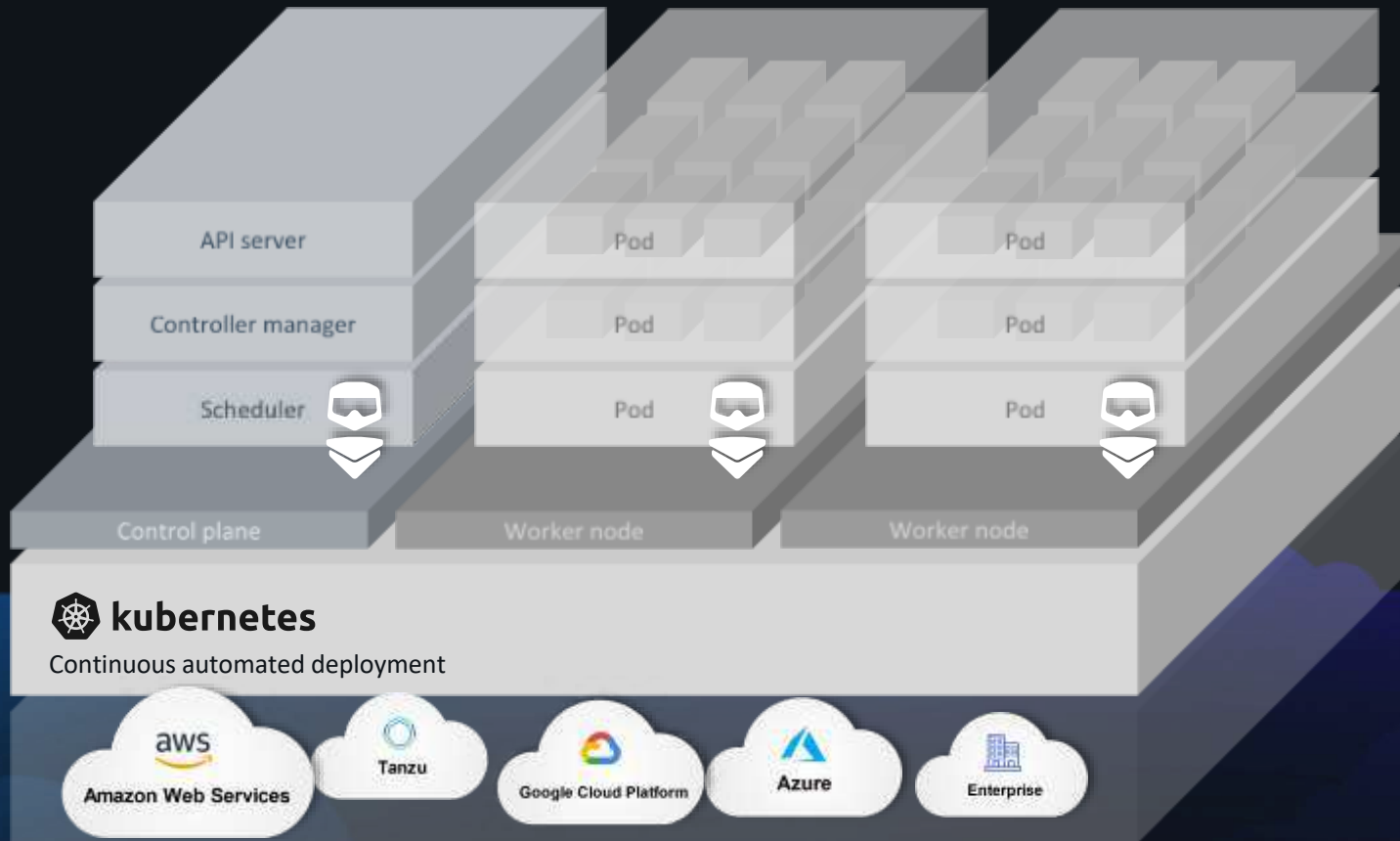
Kubernetes OpenShift AWS Azure GCP Tanzu Enterprise Hybrid cloud

Automatic and intelligent observability

Broadest multicloud and technology support

1. OneAgent

Industry's fastest mean time to observability with zero configuration.
OneAgent continuously auto-adapts to your ever-changing environment.
Say goodbye to changing code, container images, scripts or deployments.

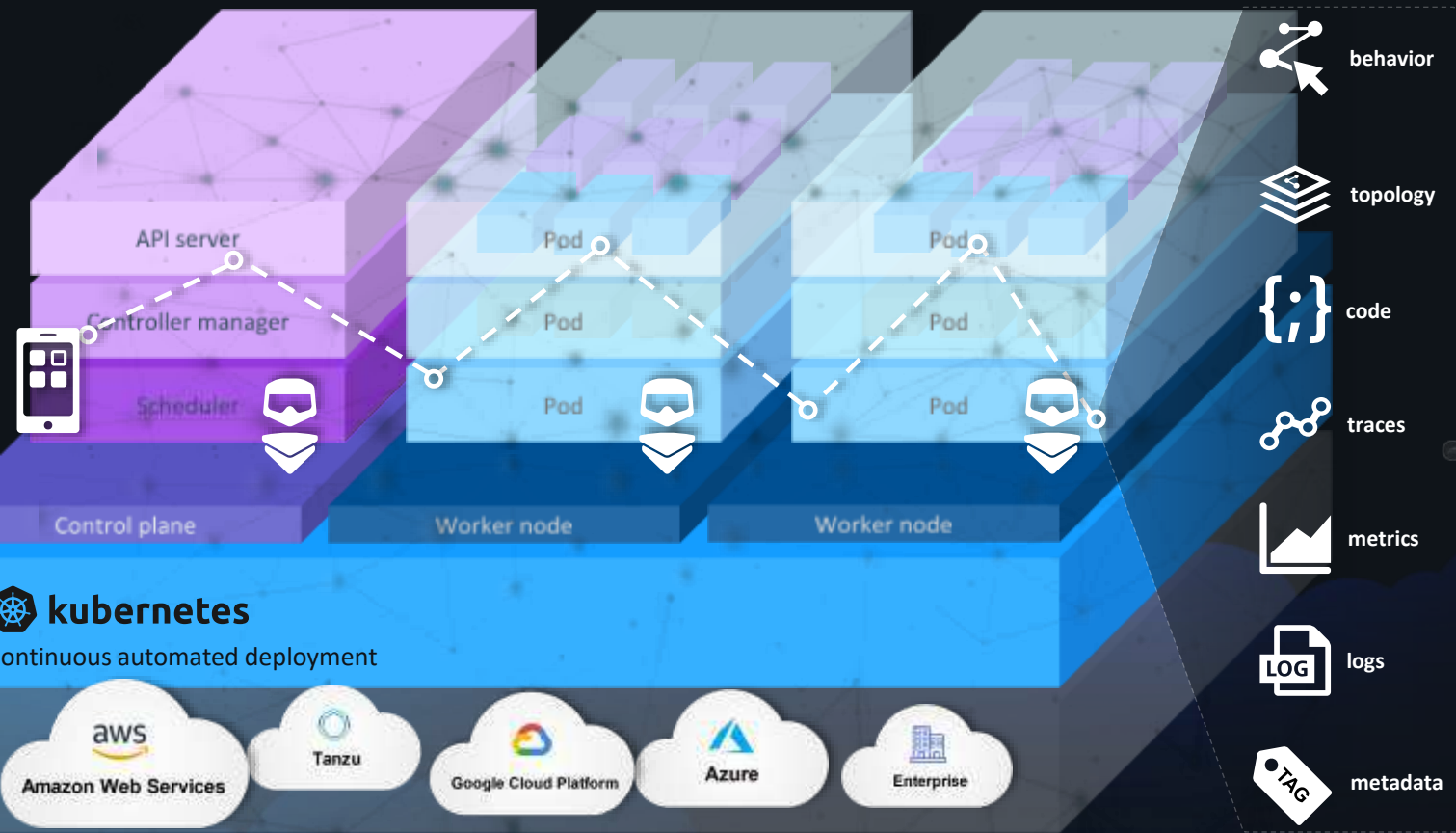


Mean Time to Observability Speeds

2018 Airline	21 most critical apps. 9,361 processes instrumented.	3 months
2019 Bank	29,341 processes instrumented. 2,116 servers. 3,178 services.	1.5 weeks
2020 Insurer	454,190 processes instrumented. 18,509 servers. 131,073 services.	3.5 hours

2. PurePath

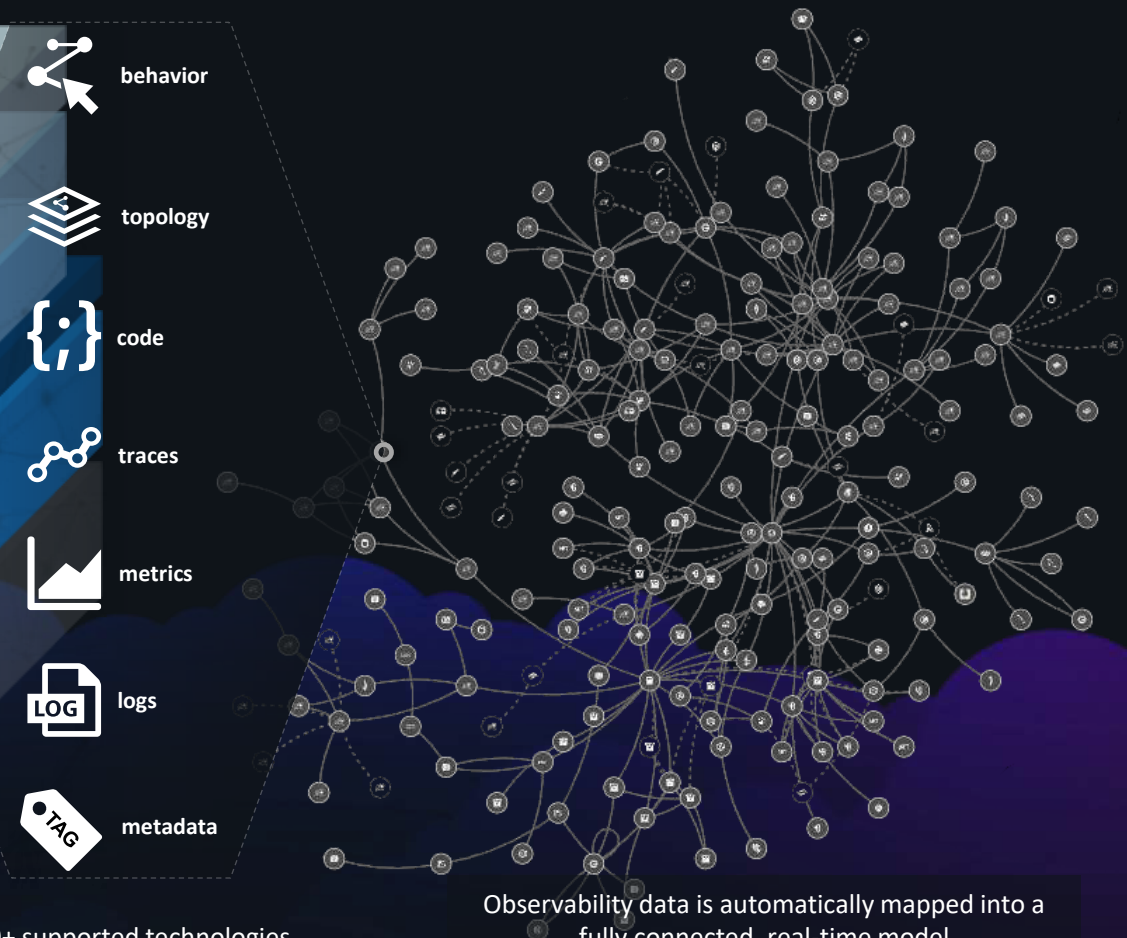
Automatic, end-to-end, deep code-level tracing at scale.



520+ supported technologies

3. SmartScape

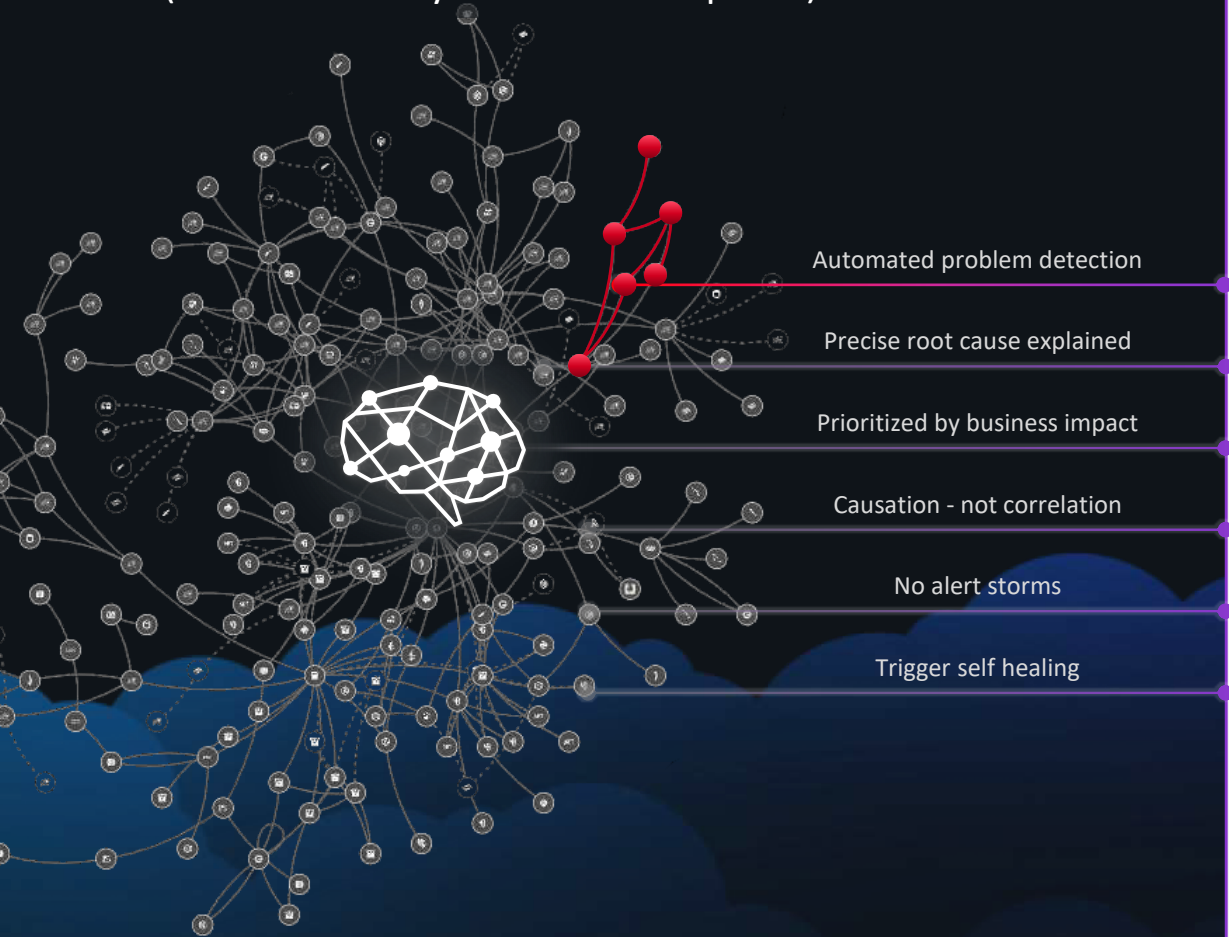
Auto-discovered topology and dependency mapping in real-time.



Observability data is automatically mapped into a fully connected, real-time model

4. Davis AI-Assistant for AIOps

Davis continuously observes, learns and auto-adapts to changes in real-time to detect problems automatically (even the ones you never anticipated).



Automated problem detection

Precise root cause explained

Prioritized by business impact

Causation - not correlation

No alert storms

Trigger self healing

The screenshot displays the Davis AI Assistant interface for a problem titled "www.easytravel.com: User action duration degradation". The interface includes a search bar, a navigation menu, and a header with the Davis logo and "analyzed 2,942,317,092 dependencies".

Problem Summary:
Problem 694 detected at 02:09 - 02:29 (was open for 36 minutes). This problem affects real users.
Affected applications: 1, Affected services: 10, Affected infrastructure: 2.

Business impact analysis:
An analysis of all affected service calls and impacted real users during the first 36 minutes of the problem shows the following potential impact:
276 Impacted users (Show first 100), 4.33mil Affected service calls (Show more).

1 impacted application:
73.6 User actions per minute impacted.
www.easytravel.com (Web application).
User action duration degradation: The current response time (4.49 s) exceeds the auto-detected baseline (1.18 s) by 279 %.

Affected user actions	User action
73.6 /min	2 User actions
Browser: All	Geolocation: All, OS: All

Root cause:
Based on time correlation and analysis of all transactions that use these components, this issue has the following root cause:
CheckDestination (Custom service).
Deployment (Deployment change) Today, 01:57 - 02:03.
2 Response time degradations (Service CheckDestination slow down) Today, 01:58 - 02:18.
Events on: Service CheckDestination.
Analyze code level, database calls, and outgoing requests. (Analyze response time degradation button).

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

Visual resolution path:
Click to see how we figured this out. (Visual resolution path diagram showing a tree structure of components).

Comments:
No comments posted.

Automate your problem remediation

Dynatrace automatically eliminates the noise and provides precise, reliable root cause which is essential for self-healing, autonomous operations.

www.easytravel.com: User action duration degradation
Problem 894 detected at 02:03 - 02:29 (was open for 26 minutes). This problem affects real users.

Affected applications: 1 | Affected services: 10 | Affected infrastructure: 2

Business impact analysis
An analysis of all affected service calls and impacted real users during the first 16 minutes of the problem shows the following potential impact.

276 Impacted users (show first 100) | 4.33mil Affected service calls

1 impacted application
738 User actions per minute impacted

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

CheckDestination (Custom service)

Deployment (Deployment change) | Today, 2020-11-11

Source: ServiceNow | Version: 2.0.0.3274.20201111-080000 | Remediation: https://ven0383.service-now.com/nav.do?uri=%2Fchange_request_dontFryc_slnaDfhw8dddbfa44a40b29a8m7... | Project: easytravel | Approver: Alice McBright (alice.mcbright@easytravel.com) | Build Number: 1.223.23432 | Git commit: e5a6baac7eb | Owner: Chuck Ryan (chuck.ryan@easytravel.com)

Comments

- 11/11/2020 15:08 - Problem information sent into easytravel support channel
- 11/11/2020 15:09 - ServiceNow incident opened #875431
- 11/11/2020 15:10 - Ansible rollback initiated of easyTravel 1.223.23432
- 11/11/2020 15:20 - Service restored

2 Response time degradations (Service: CheckDestination slow down)

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

Visual resolution path (Click to see how we figured this out)

Integrations

Open problem ticket

Send details into support channel

Rollback bad build

API Programmability

Easy, open, and automated integration

Weave Dynatrace's open API into your existing ecosystem to drive automation in everything from development and releases to cloud ops and business processes.



API Programmability

Implementace v řádu dnů

Nezatíží sledované systémy (ověřeno měřeními)

Licence formou pronájmu

Zapojení vašeho týmu do implementace

./ADASTRA

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SCAN ME