



Connect

Observabilidad y automatización impulsada por IA para tu ecosistema OpenShift / Ansible

Level-up with Red Hat & Dynatrace

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Agenda

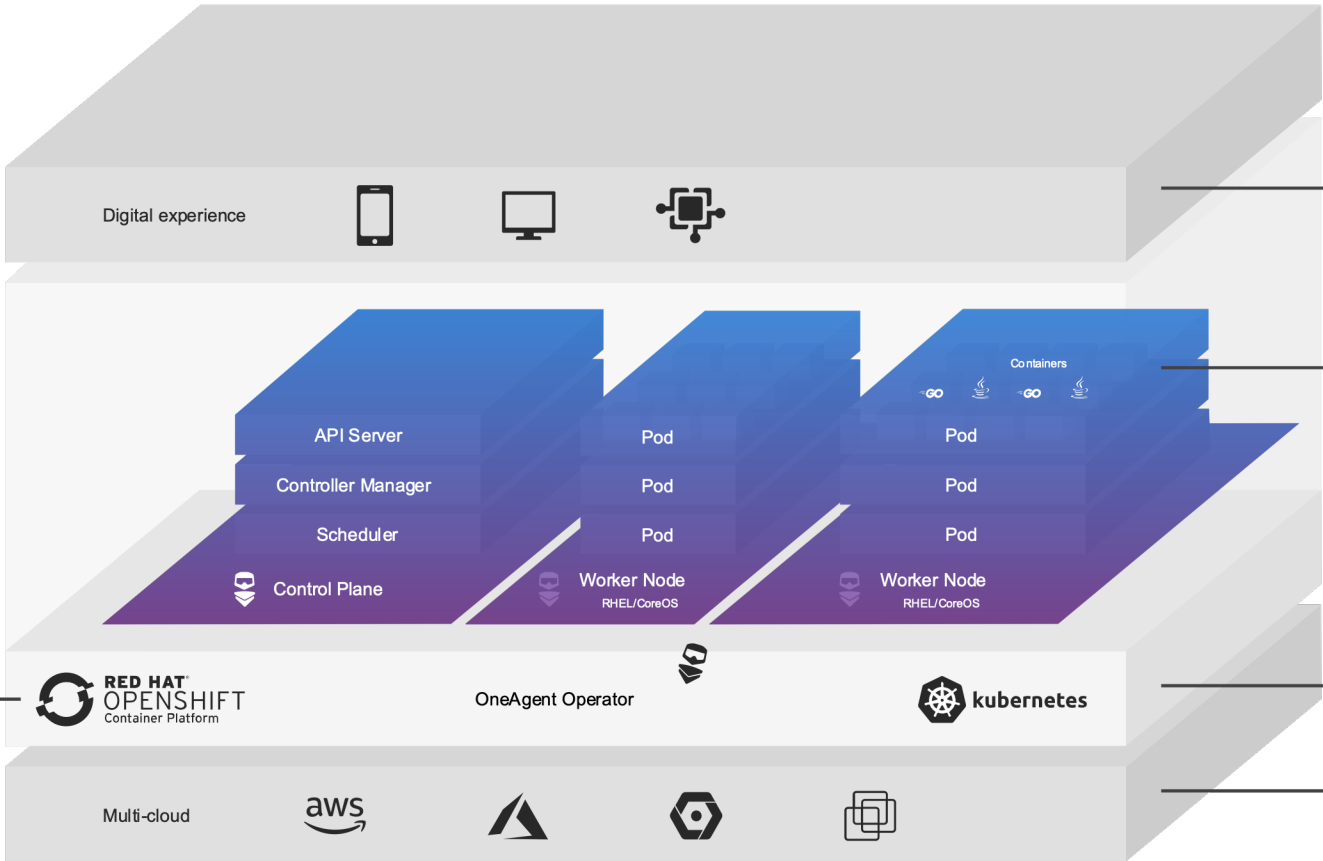
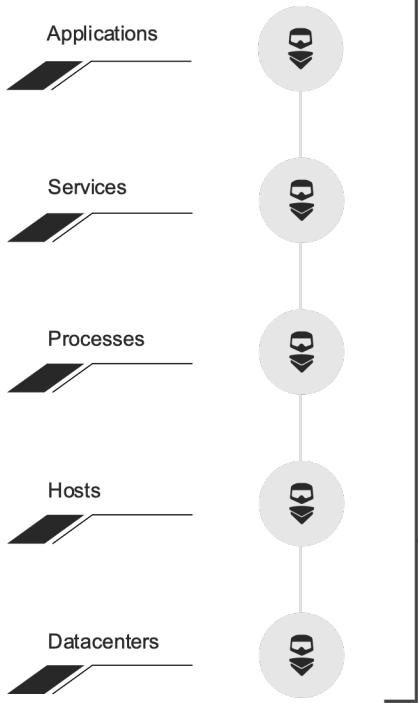
- **Advanced Observability with Red Hat & Dynatrace**
- **Certified Integration: Ansible Platform & Dynatrace**
- **Customer Stories: Porsche Informatik, Abercrombie & Fitch**



Advanced Observability with Red Hat & Dynatrace

Advanced Observability with Red Hat & Dynatrace

OneAgent deploys automatically via the OneAgent Operator to all layers and technologies in your environment



Monitor, analyze and optimize every digital interaction

Real-time auto discovery through OneAgent Operator injection of Docker and CRI-O containers without code or image changes

Automatic and continuous deployment of Dynatrace OneAgent Operator to all components

Full integration with all major cloud platforms

"We went from zero to 12,000 hosts in less than two months. Our roll out happened while I was having a BBQ over the weekend! Automation, trust and tools were key to this success."

Reinhard Weber, Senior Product Manager



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

Mean Time to Observability Speeds



Observability and so much more

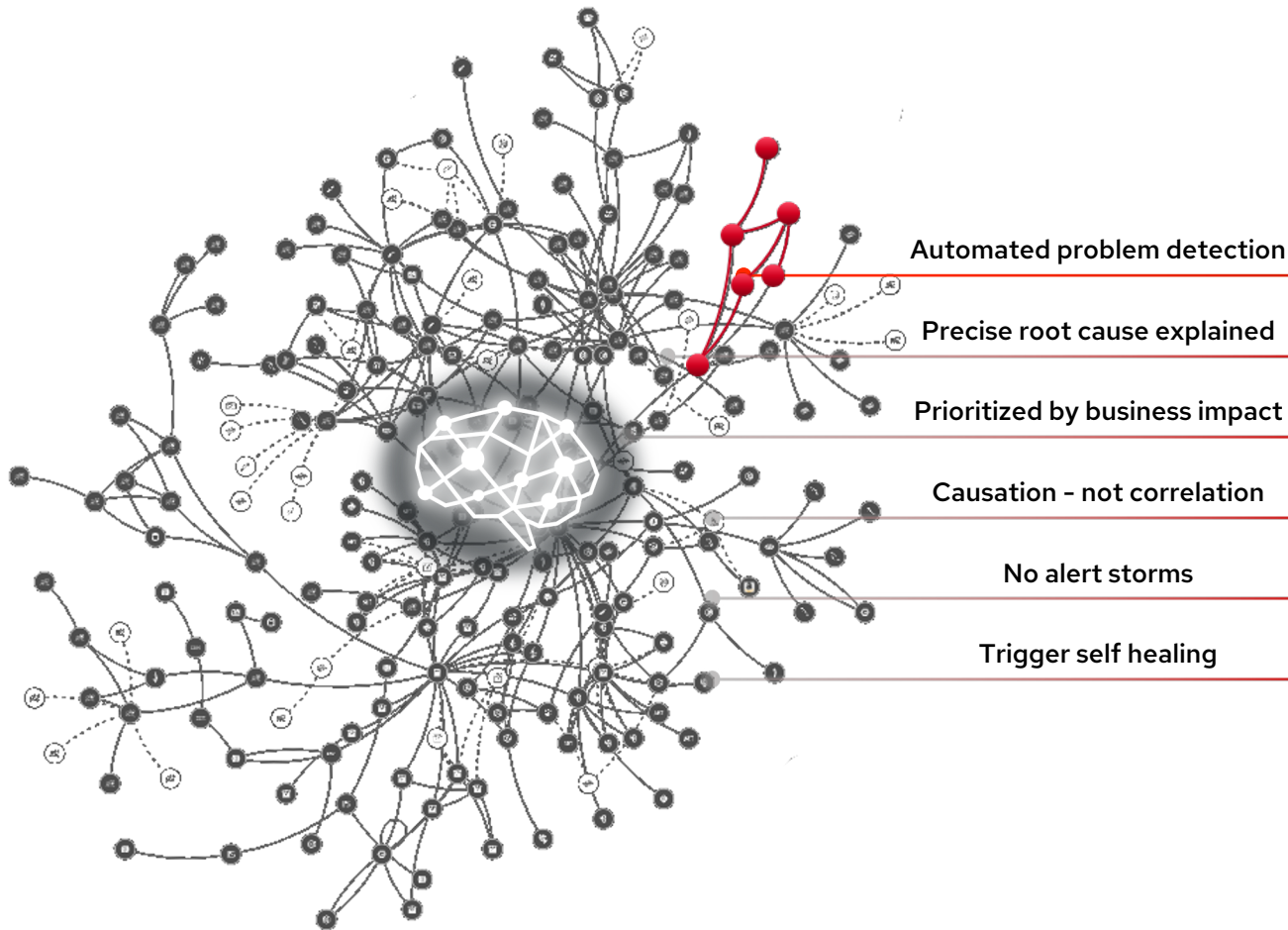
Get a broader view of your environment. One that includes metrics, logs, and traces, plus a full topological model with entity relationships, code-level detail, and user experience – all in context.



 dynatrace

 Red Hat |  intel

Advanced Observability with Red Hat & Dynatrace



Search Dynatrace demo...

Problems Problem 694

www.easytravel.com: User action duration degradation
Problem 694 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

DAVIS™ analyzed 2,942,317,092 dependencies

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	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](#)

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

Visual resolution path
Click to see how we figured this out.

Comments

Add comment

No comments posted

dynatrace

- OperatorHub.io launched by Red Hat, AWS, Microsoft and Google
- OpenShift Operator Certification
- OperatorHub integrated into OpenShift 4
- Dynatrace is the only operator monitoring solution that gives you visibility into nodes, containers, and deployed microservices down to the code-level



CATEGORIES

AI/Machine Learning
Application Runtime
Big Data
Cloud Provider
Database
Developer Tools
Drivers and plugins
Integration & Delivery
Logging & Tracing

33 ITEMS



Dynatrace OneAgent
provided by Dynatrace LLC



Dynatrace Operator
provided by Dynatrace LLC



Istio
provided by Banzai Cloud

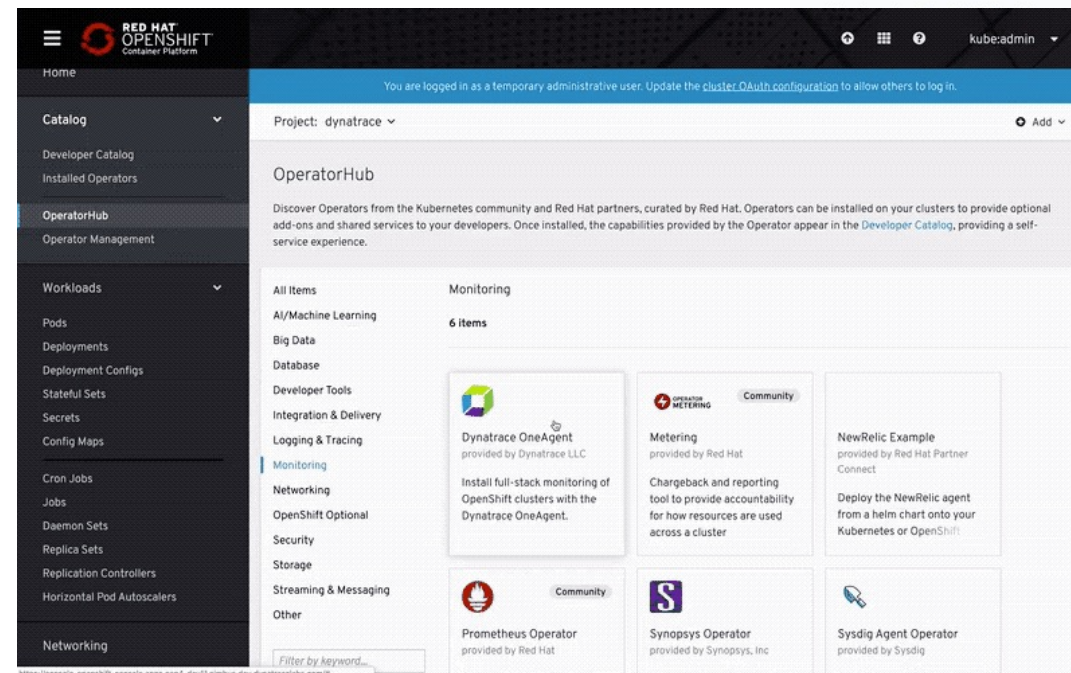
Installs and maintain Istio service mesh



Kiali Operator
provided by Kiali

Kiali project provides answers to the questions: What microservices are part of

COMMUNITY OPERATORS
OPENSIFT CERTIFIED OPERATORS

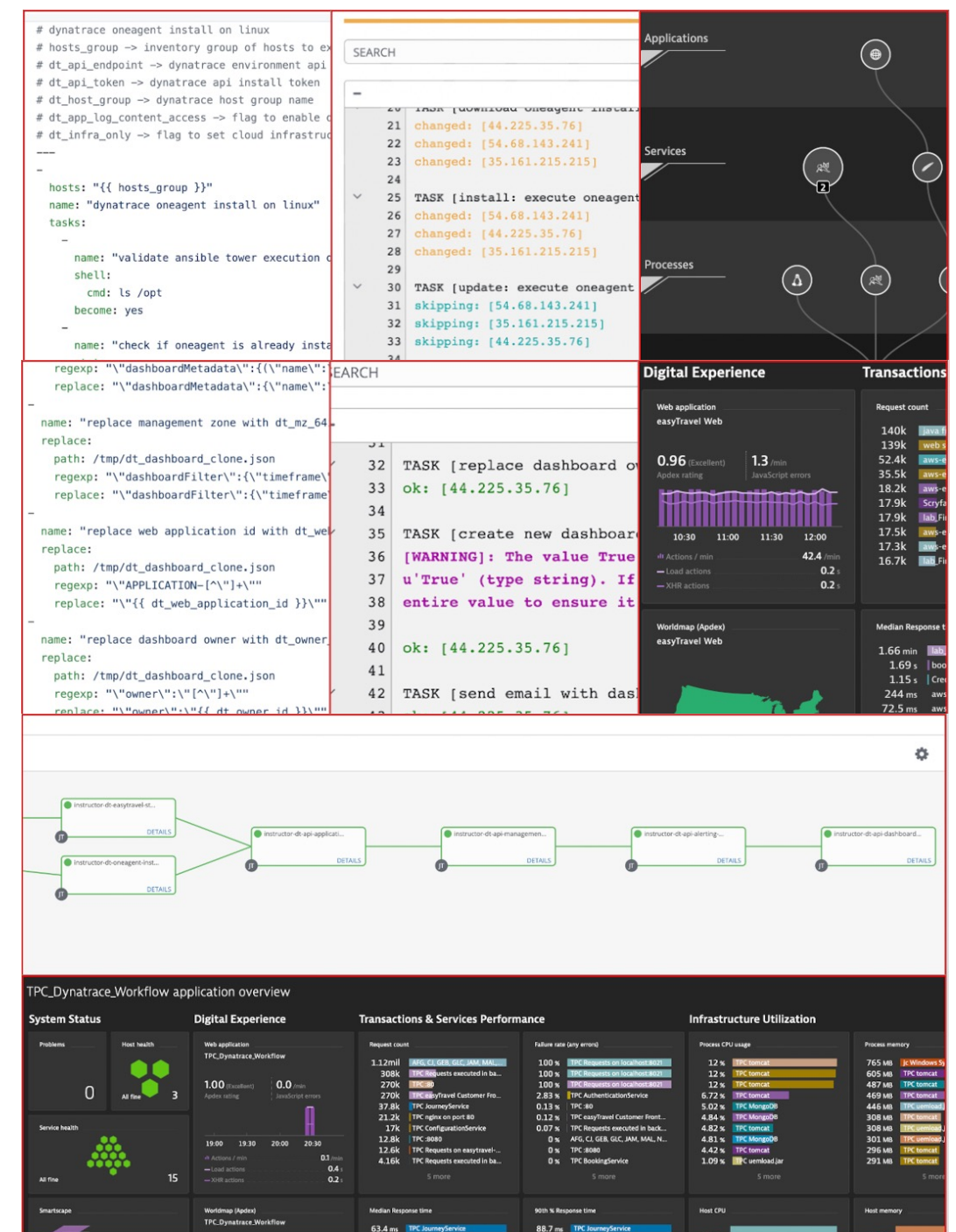


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Automate with Ansible Platform & Dynatrace

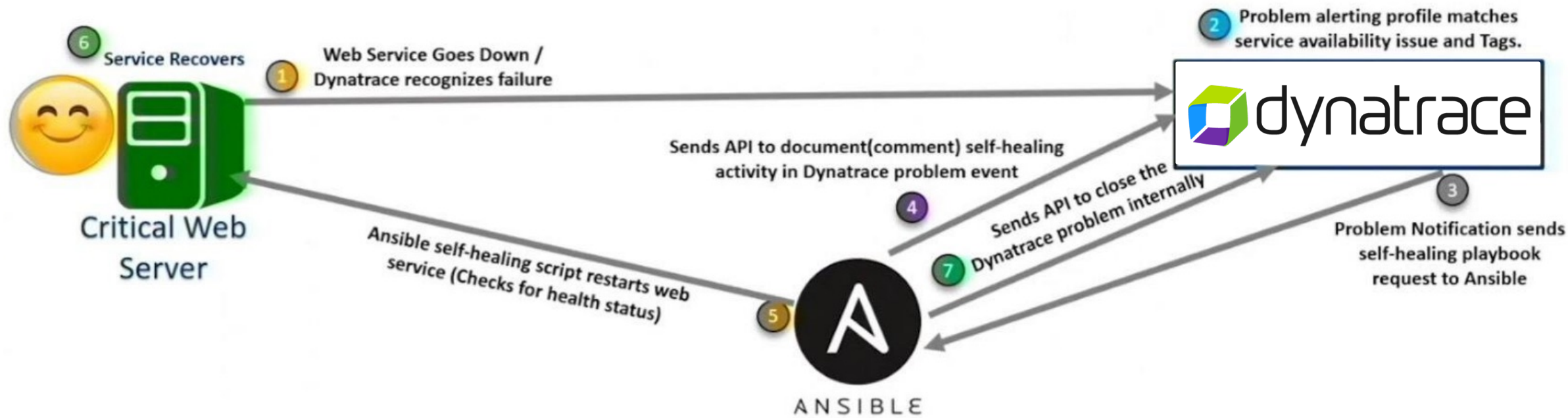
- Deploying agents to the inventory of application hosts (Linux and Windows)
- Defining applications for real user monitoring with session replay
- Configuring the mechanism to filter access, data, and alerts → GitOps!
- Setting up alert notifications through email, "ChatOps", and 3rd party ITSM
- Automate Remediation Jobs
- Building dashboards for monitoring data consumption



Auto-Remediation with Dynatrace and Ansible Tower

Dynatrace's AIOps platform AI to spot potential slowdowns and outages before they occur and to trigger automated actions that prevent failures. Organizations can also automate diagnosis and remediation with Dynatrace's AIOps.

AIOps helps enterprises find potential slowdowns before they happen. Learn how to use the combination of Dynatrace, ServiceNow, and Ansible to speed innovation for DevSecOps.



Porsche Informatik accelerates innovation with **Dynatrace** & Red Hat OpenShift



- Advanced observability into cloud native applications on OpenShift
- AI-assistance to automatically process billions of dependencies to serve up precise answers
- Cross team collaboration enhances the DevOps tool chain with faster feedback loops
- Precise root-cause analysis to dramatically reduce MTTR → 80% Reduction!!



"Dynatrace's unique approach to AI-powered monitoring in the cloud cuts through complexity to give us true visibility into our OpenShift environment, so we can fully understand the user-experience."

Manfred Immitzer - Managing Director and Chief Digital Officer at Porsche Informatik

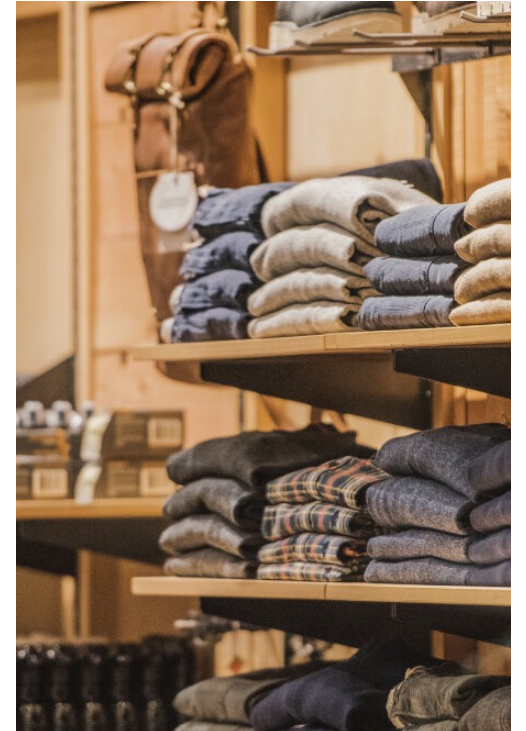


Abercrombie & Fitch accelerates transformation with **Red Hat OCP** and **Dynatrace**



Abercrombie & Fitch

- Instant insights Full-stack observability across OpenShift in hours
- Faster transformation Accelerated shift to a microservices architecture
- Constant peace of mind New microservices are automatically instrumented
- Better digital services AI-powered quality gates ensure software stability



"What enamored us with Dynatrace was that it gave us insight into things we didn't even know we wanted to see."

Jay Summerlot - IT Director, Abercrombie & Fitch Co.



Useful links

- [AI Ops automates DevSecOps workflows to enable self-healing IT](#)
- [The Inside Playbook: Automate App Monitoring with Ansible Platform & Dynatrace](#)
- [CERTIFIED INTEGRATION: Ansible and DYNATRACE](#)
- [Abercrombie & Fitch accelerates transformation with Red Hat OpenShift Container Platform and Dynatrace](#)
- [Porsche Informatik accelerates innovation with Dynatrace & Red Hat OpenShift](#)
- [Video Interview with Chris Morgan – Global Technical Director for Red Hat](#)





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Thank you



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youtube.com/user/RedHatVideos



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