



Dynatrace provides software intelligence to simplify enterprise cloud complexity and accelerate digital transformation. Our AI centric purpose-built platform provides end to end visibility to your real users, applications and underlying infrastructure with real time root cause analysis.

CHALLENGE INFO

The goal of this challenge is for participants to successfully monitor a web application of their choice and underlying infrastructure enabling them to gain key insights into performance and end user experience.

This challenge will be judged based on the best implementation of the following:

- Set up a web application to be monitored:
 - See "Getting Started" For Prebuilt Applications, If Needed
 - Graded On Deployment Complexity Such As:
 - Cloud Deployments
 - Hybrid Cloud Deployments
 - Docker, K8s, Linux, Windows etc...
 - End User Capability
- Set Up Dynatrace
 - Sign Up for a [free trial](#) on our SAAS tenant
 - Install One Agent on your hosts
 - Install ActiveGate, where necessary
 - Dynatrace successfully discovers all processes, services, hosts and applications
 - Create a Synthetic test that defines a user story and run it across multiple regions
- Create infrastructure problems for Davis to discover such as:
 - Resource Contention
 - Availability Issues
 - Broken CI/CD code pushed using Jenkins

- Lengthy database queries
- Set up a custom threshold
- Aim to capture problems that affect multiple components with a defined root cause discovered by Davis
- Show us a user session that includes any of the following problems captured through Real User Monitoring:
 - Browser related issues
 - Regional issues
 - Device, screen, mobile issues
 - Broken JavaScript and UI components
 - Rage Clicks
 - Slow page loads
 - Slow XHR actions
 - Slow database calls
 - Slow third party resources
 - Frustrated user experience
- Dashboarding
 - Create a User Dashboard to aid the marketing team
 - Live User Activity tile
 - Display the Global Apdex
 - Display a Web Application tile
 - Display a User Behavior tile
 - A useful Custom User Session Query
 - Additional tiles that the team will find useful
 - Create A DevOps Dashboard that includes:
 - Infrastructure tiles
 - Database tiles
 - Network tiles
 - Smartscape tile
 - Additional tiles that the team will find useful

- Create A Useful Custom Dashboard
 - Create a useful unique dashboard that the team finds useful

PRIZE INFO

Winners we receive a set of Bose SoundSport Free Wireless Headphones valued at \$200.00



GETTING STARTED

Dynatrace Resources

[Getting Started With Dynatrace](#)

- First step to setting up Dynatrace

[Dynatrace Documentation](#)

- Everything Dynatrace related will be found here

[Dashboarding And Charts](#)

[OneAgent Documentation](#)

[OneAgent Linux Deployment](#)

[ActiveGate Documentation](#)

[Install An Environment ActiveGate](#)

[Azure Deployment](#)

[Docker Deployment](#)

[Kubernetes Deployment](#)

Third Party Resources

These resources may be helpful in setting up a web application for monitoring.

[Docker](#)

[DotNetNuke](#)

- Full Windows CMS Platform

[KonaKart](#)

- Full Linux/Windows CMS Platform

[Kubernetes](#)

[Github](#)

- May use premade web applications

[Google Cloud \(Free Trial\)](#)

[Microsoft Azure Cloud \(They provide a free trial\)](#)

SUPPORT

Look for us in our Dynatrace gear, we will be available throughout the hackathon to help with any questions.

Event Support

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