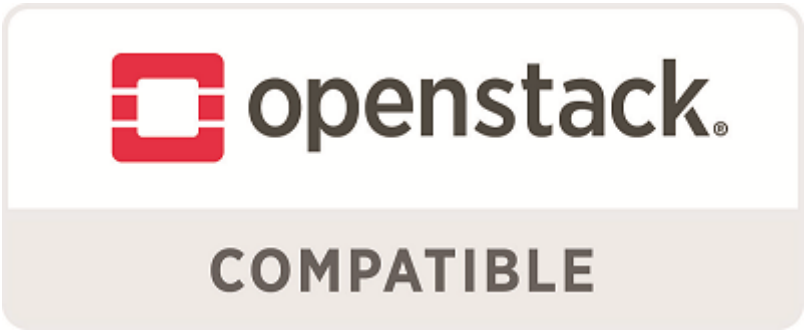
OpenStack monitoring

Monitor application and cluster health in your OpenStack environment

What is OpenStack?

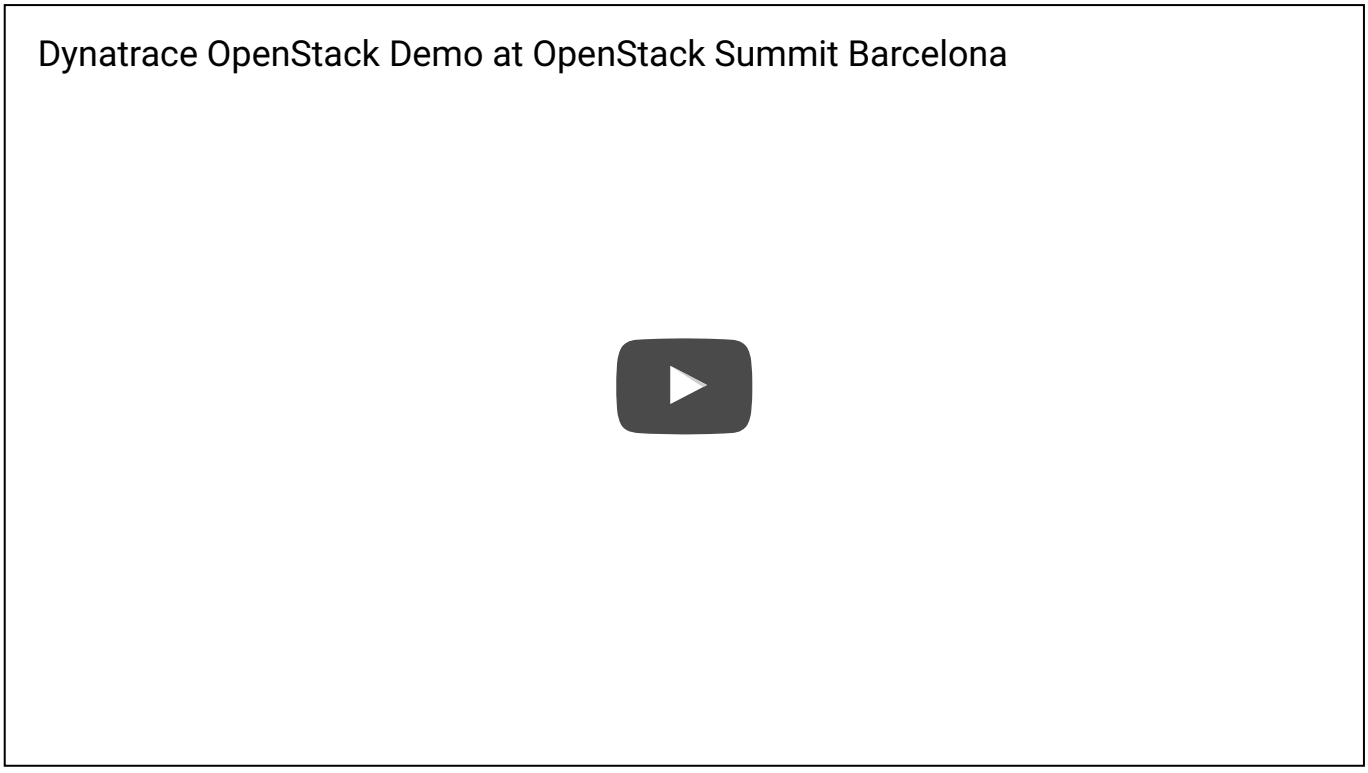
OpenStack is an open-source software platform used to develop private- and public-cloud environments. It consists of multiple interdependent microservices. OpenStack provides a production-ready IaaS layer for your applications and virtual machines. Dynatrace provides unprecedented insights into your OpenStack environment's cloud plane, so you always know what's going on under the hood.



See the full picture of your OpenStack environment in real-time

With Dynatrace, you'll know exactly what's going on in your cluster. Save time and use Dynatrace artificial intelligence to gain deep insight into:

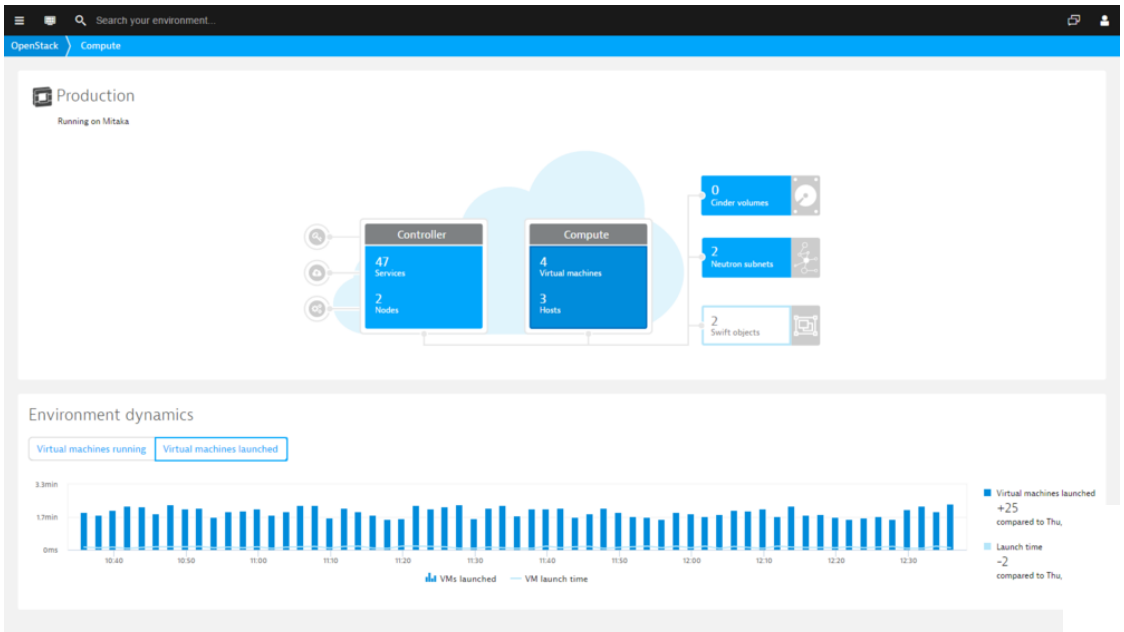
- How many nodes are running and if they are healthy
- Performance and health of the OpenStack services
- Resource utilization of hypervisors and individual VMs
- Environment dynamics such as how many VMs are running or have been launched



Dirk Wallerstorfer gives a booth demo of Dynatrace OpenStack Monitoring at OpenStack Summit in Barcelona.

Gain insight into the OpenStack control plane

OpenStack is a production-ready IaaS layer for your application and virtual machines that allows you to run your own private cloud environment. With Dynatrace you can optimize your cloud environment based on real-time usage data and data from the OpenStack control plane. If you're already running OpenStack, you'll be amazed how easy it is to integrate Dynatrace into your environment.

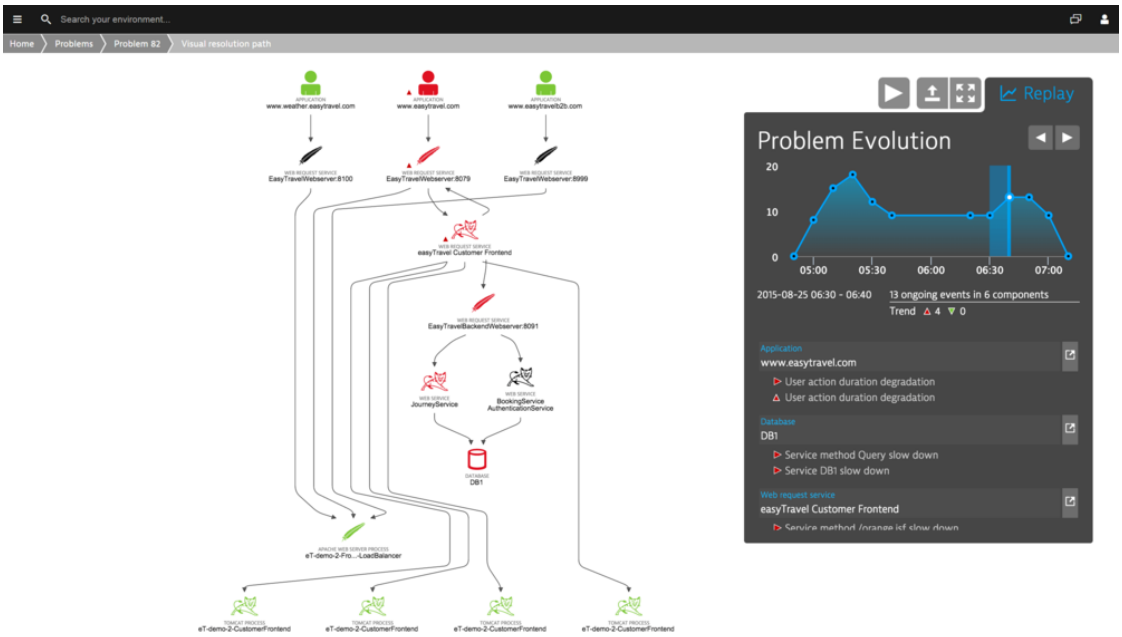


Understand the causes of failing services

Manually hunting down elusive performance problems in highly distributed systems can be a time-consuming process. Dynatrace is the only solution capable of automatically pinpointing application and infrastructure issues in seconds using artificial intelligence.

Dynatrace tells you where and why highly distributed applications break down.

Stop spending time hunting for problems and focus on fixing them.



Mirantis

"Business and IT users of Mirantis OpenStack clouds with Dynatrace can now access real-time, actionable information about the digital performance of their business-critical cloud environments."

Learn more about Dynatrace's partnership with Mirantis

HCL Technologies

"Dynatrace is the industry leader in digital performance and the best technology to help our clients around the globe achieve these priorities more efficiently, through every application. Its unique breadth and depth made our decision to partner with Dynatrace an easy choice over competing solutions."

Learn more about Dynatrace's partnership with HCL Technologies

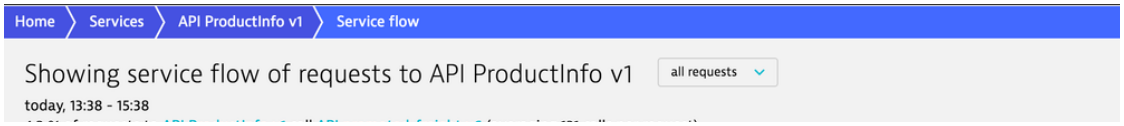
SUSE

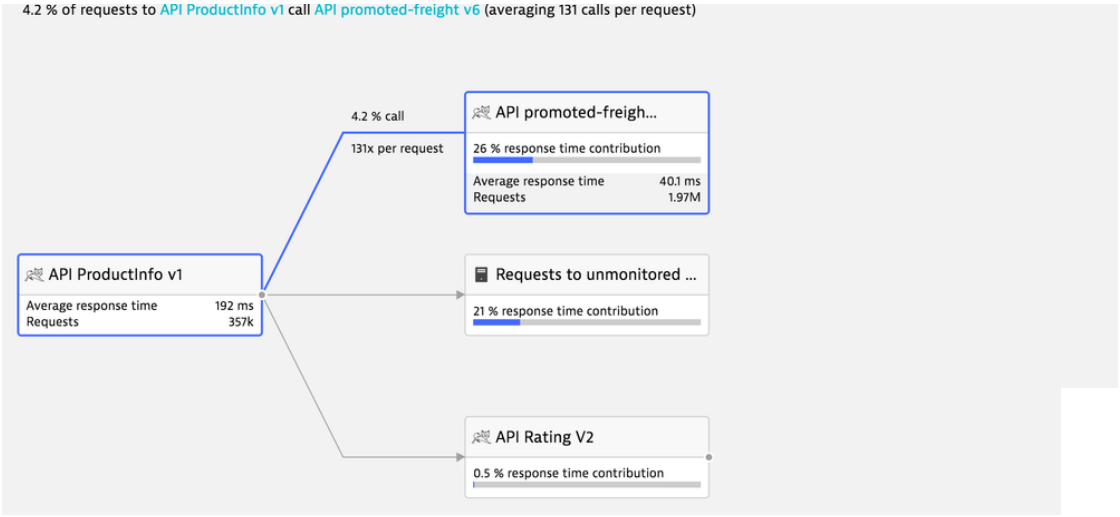
“SUSE is excited to about this new capability in the Dynatrace solution because it will allow SUSE OpenStack Cloud customers to tune their cloud environment based on real-time usage data. As more businesses deploy OpenStack in production, the ability for them to quickly pinpoint performance issues will be essential.”

Learn more about Dynatrace’s partnership with SUSE

Automatic correlation of application events and control plane events

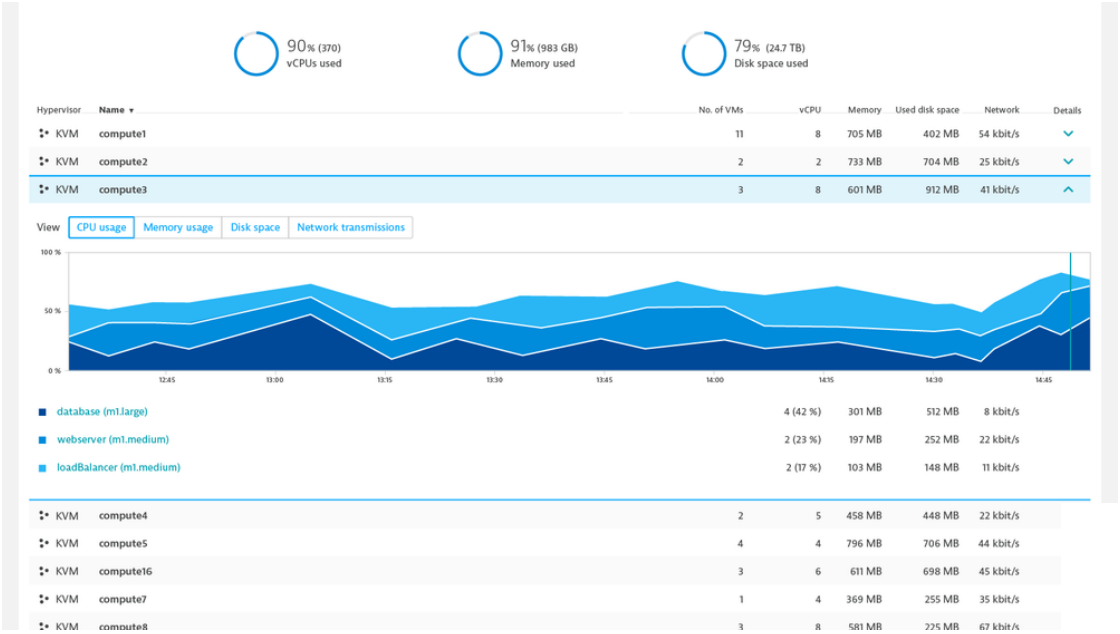
Besides providing insights into your OpenStack control plane, Dynatrace also delivers deep visibility into the applications you run in your private cloud. It automatically correlates application events with events in your OpenStack control plane. Your private cloud infrastructure and applications have never been easier to troubleshoot!





Optimize resource management

Dynatrace provides deep visibility into your OpenStack control plane and deployed applications. It supports identification of over- and undersized workloads and assists in locating resource bottlenecks—thereby helping you improve overall application performance and customer experience.



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