
AWS
re:Invent
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PRT208

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Boston University elevates learning with Red Hat OpenShift Data Science

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Agenda

- 10 years of innovation
- The power of the AWS and Red Hat partnership
- Red Hat OpenShift Service on AWS (ROSA)
- Red Hat OpenShift Data Science (RHODS)
- Red Hat and AWS delivered the vision of ‘education, not tech support’
- A Look at how Boston University uses RHODS in their lassrooms

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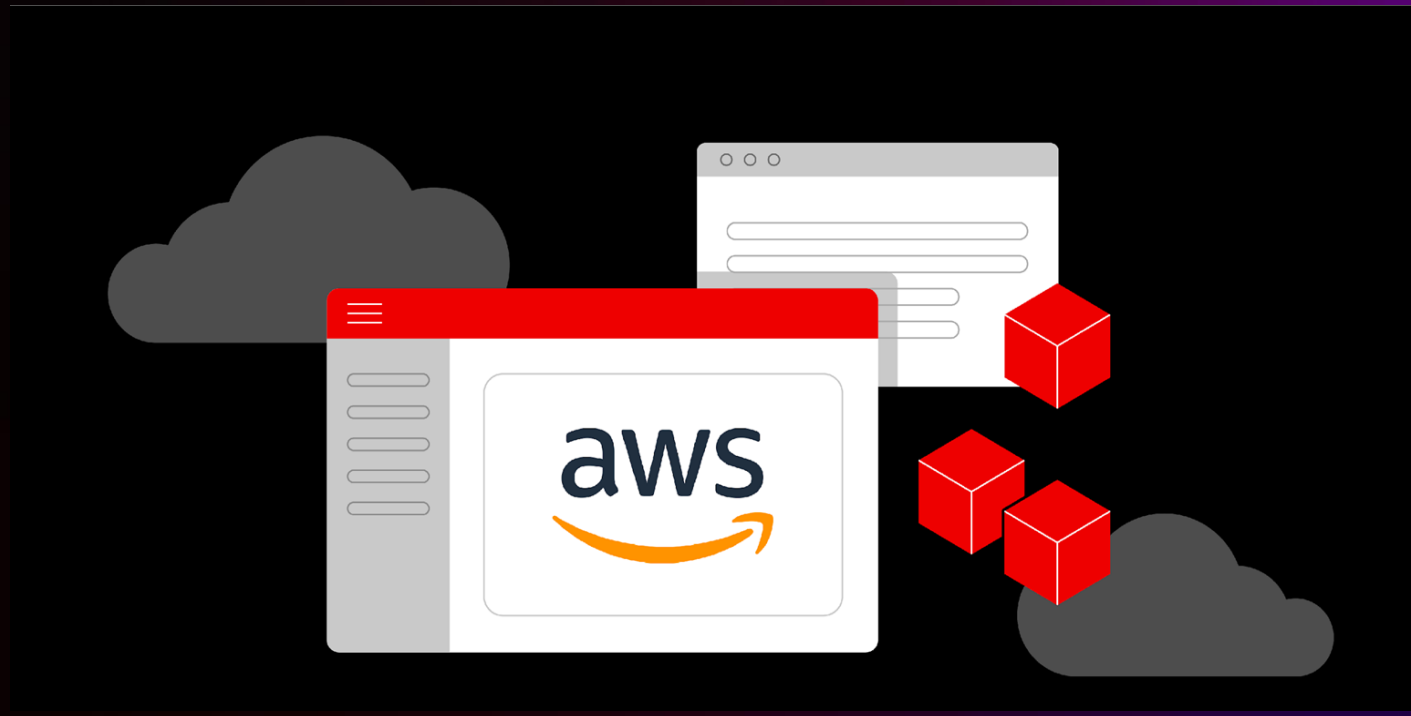
(AWS) is the world's most comprehensive and broadly adopted cloud platform

Over 200 fully featured services from data centers located around the globe

16 years as the leading public cloud provider

Largest and most dynamic cloud community

Most flexible and secure cloud computing environment available today



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Red Hat OpenShift

Red Hat® OpenShift® is an enterprise-ready Kubernetes- powered application platform built for an open hybrid cloud strategy. It provides a consistent experience to build, deploy, and run applications at scale in the cloud, on-prem and at the edge.

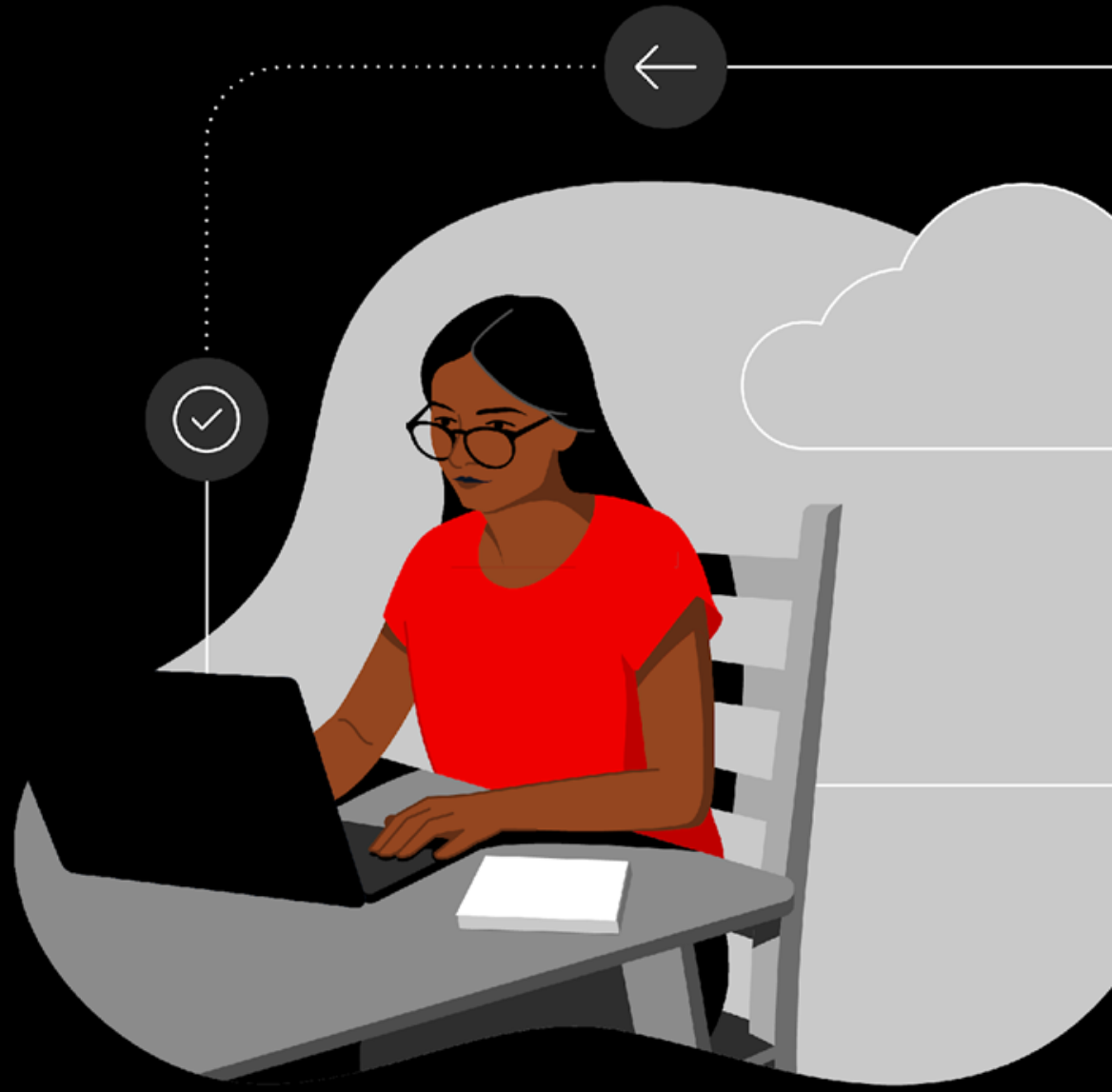


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Red Hat OpenShift Service on AWS

- Empower developers to innovate
- Managed turn-key application platform
- Reduced operational complexity
- Flexible pricing



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Native AWS service and integration accessed on-demand from the AWS Management Console

Self-service deployment to create fully-managed Red Hat OpenShift clusters in minutes



Integrated support performed by Red Hat site reliability engineers

Billing from AWS for both OpenShift and AWS consumption, taking advantage of spend commitments

Comprehensive security and compliance with industry-specific standards and regulations

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Key features of

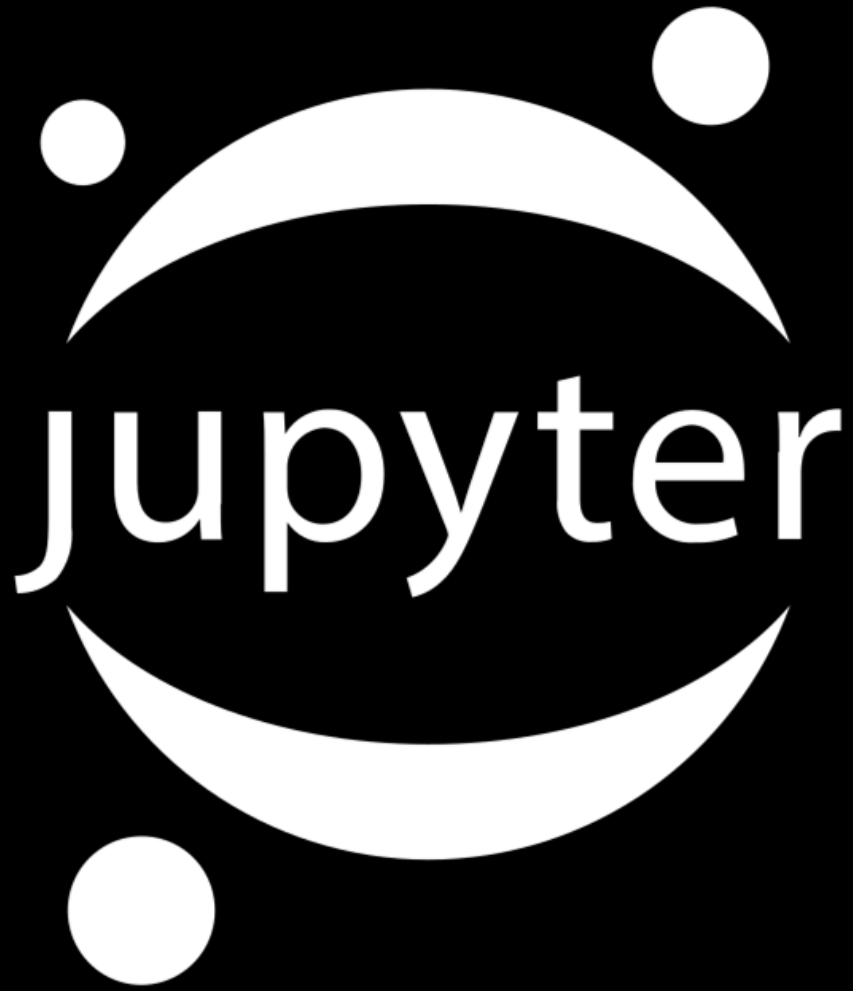
Red Hat OpenShift Data Science



- Cloud Service
- Core data science workflow
- Increased capabilities/ collaboration
- Jupyter Notebooks as a Service

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Notebooks as a Service



De facto Tool for Data Science Robust Compute Surface built on ROSA

- GPU support
- Scalable
- Secure

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Red Hat and AWS delivered on the vision for BU

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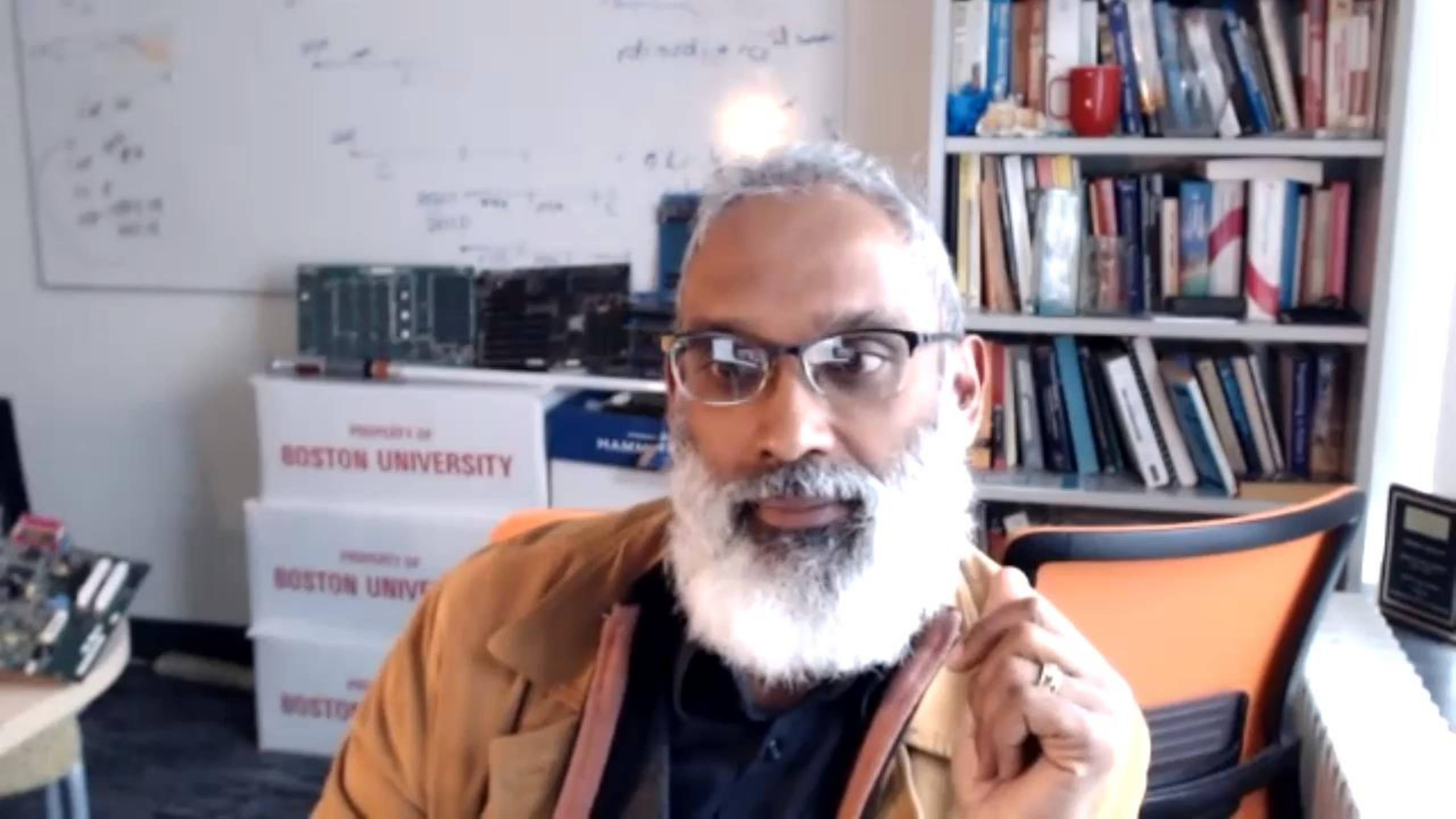


"This effort is providing my students with a rich, full-fledged Linux experience that hides no details and yet can be easily accessed and integrated into my teaching materials and methodologies.

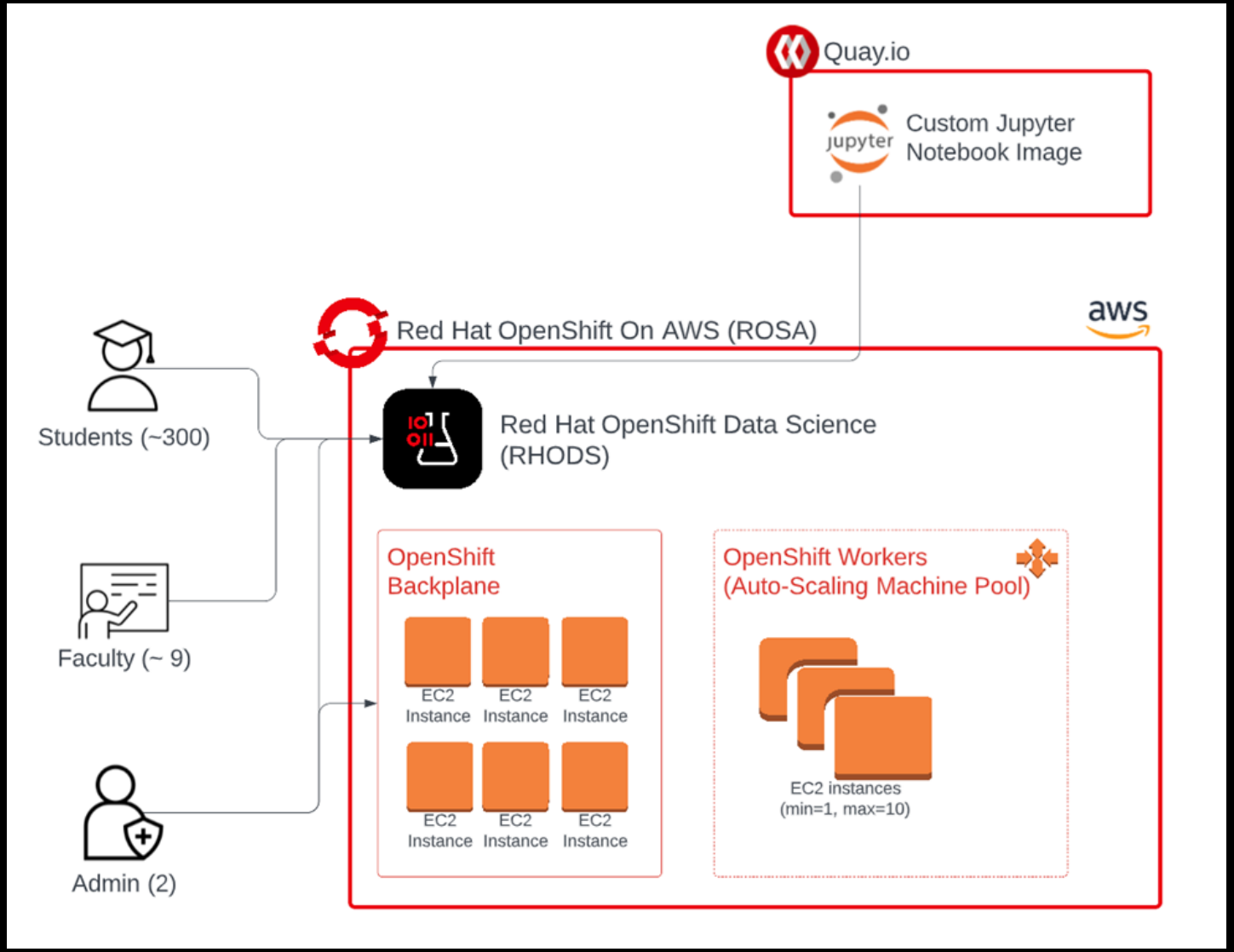
These students will graduate not only knowing the technical details of the open source platforms that power the world around them, but also with an understanding of how open platforms and open access can impact society and education."

Jonathan Appavoo,
Associate Professor at BU

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BOSTON UNIVERSITY

Boston University Solution Architecture



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"One of our pain points is we don't want to infrastructure. We just want to focus on building great experiences. We wanted to find somebody who could manage this for us, so we didn't have to."

Director of operations and infrastructure,
Telco company

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100%

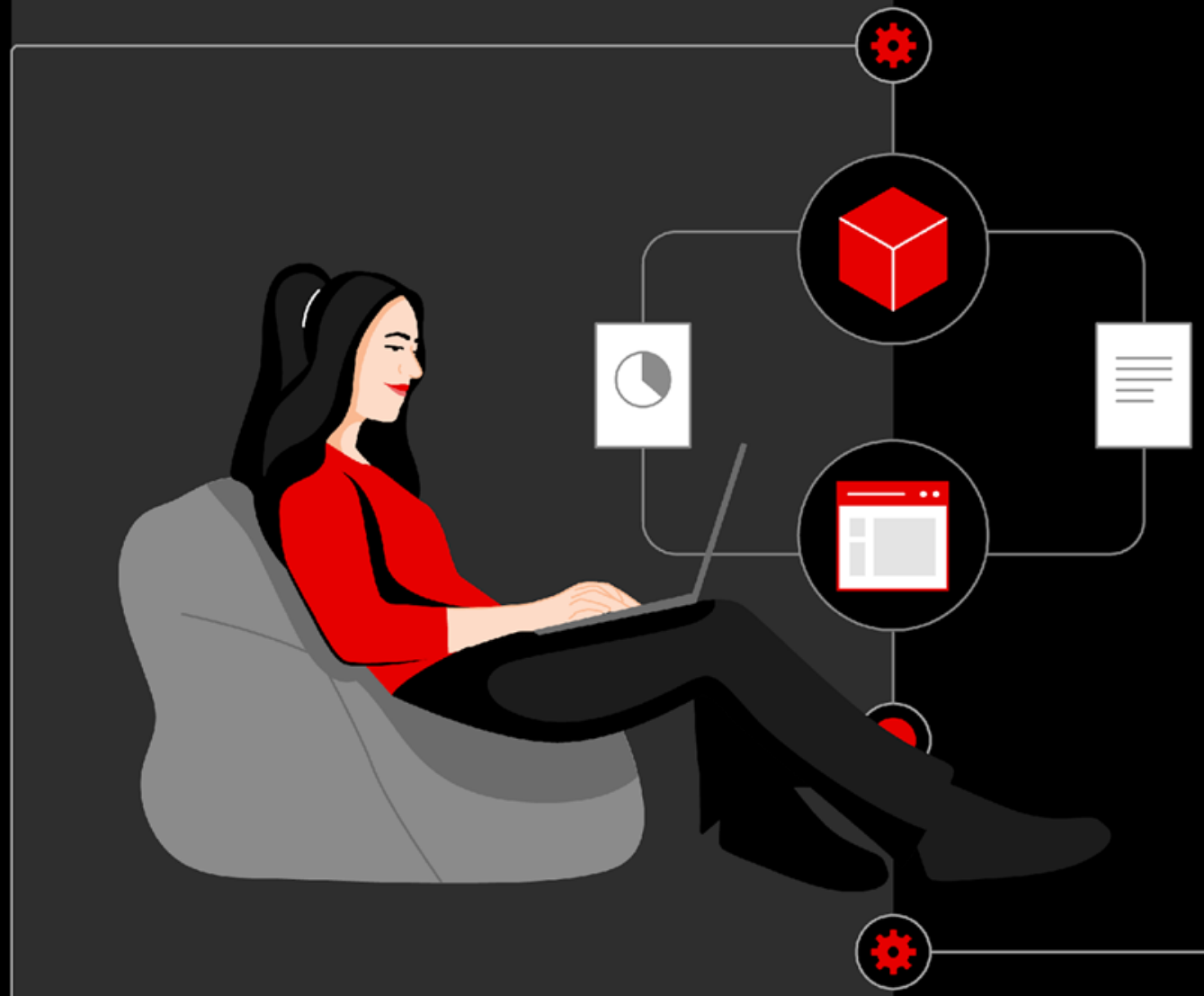
improvement in operational efficiency

95%

of student developer setup time is recaptured

600%

Reduction of professors' time debugging student laptops



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Give it a try

Red Hat® OpenShift® Service on AWS (ROSA) is available to try in your AWS console

Red Hat® OpenShift® Data Science (RHODS) is available in the AWS Marketplace

If you want to learn more about ROSA or RHODS during your time at re:Invent, visit Red Hat at Booth #624 in the Expo Hall

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Questions



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Thank you!



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