Red Hat

Access and hybrid cloud management for faster innovation in higher education

Red Hat OpenShift Platform Plus with Red Hat OpenShift Data Foundation Advanced subscriptions

Challenge

Academic institutions face unique challenges. In their mission to support student success, research solutions to society's top issues, and maintain a healthy population, higher education has priorities and demands unlike other institutions. Red Hat academic offerings were created to help educational institutions build out their IT infrastructure while avoiding vendor lock-in, reducing costs, and creating scalable and sustainable IT environments.

Red Hat® OpenShift® Data Foundation products are ready-made for institutions of higher learning that want to purchase a complete platform from Red Hat that includes all the components to manage multiple clusters across multiple public and private clouds.

▶ Run enterprise applications, such as content management tools and student information systems, on an open, security-focused foundation.

▶ Rapidly modernize legacy education and operational applications with developer toolkits and container platforms.

▶ Achieve unified management of traditional, virtualized environments and cloud-based infrastructure.

▶ Improve interoperability with other technology vendors.

▶ Build public, private, and hybrid clouds.

Red Hat OpenShift Data Foundation products and solutions are available to academic institutions under the following conditions:

▶ Solutions should not be used in for-profit activities and development.

▶ Projects are publicly-funded. Private universities require publicly funded projects or an exception.

▶ They contribute to public reference.

Whether in an administrative, educational, or research-oriented capacity, Red Hat provides various software products and services to educational institutions interested in using commercially supported open source technologies.

OpenShift Data Foundation academic subscriptions may be used by faculty, staff, and students in both nonproduction and production environments within the institution.

Red Hat's approach

Running as a Kubernetes service, Red Hat OpenShift Data Foundation is engineered, tested, and qualified to provide data services for Red Hat OpenShift Container Platform on any infrastructure. OpenShift Data Foundation can also be decoupled and managed as a separate, independently scalable data store, delivering data for one or many Red Hat OpenShift Container Platform clusters.

Deployed, consumed, and managed through the Red Hat OpenShift administrator console, OpenShift Data Foundation is built on Ceph®, Noobaa, and Rook technologies, offering tightly integrated, persistent data services for Red Hat OpenShift in hybrid and multicloud environments. This level of integration removes the guesswork from running Kubernetes applications across multiple platforms and provides the data storage functionality, data services, and data protection that enterprises require. Dynamic, stateful, and highly available container-native storage can be provisioned and deprovisioned on demand.

Red Hat OpenShift Platform Plus with Red Hat OpenShift Data Foundation Advanced for academic institutions includes:

▸ Red Hat OpenShift Container Platform.

▸ Red Hat Advanced Cluster Management for Kubernetes.

▸ Red Hat Advanced Cluster Security for Kubernetes.

▸ Red Hat Quay.

▸ Red Hat OpenShift Data Foundation Advanced.

Benefits

▸ Simplified access and hybrid cloud data management for faster innovation.

▸ Consistent user and developer experience across clouds for faster insights.

▸ Dynamic scale, allowing organizations to start small and automate rapid data services growth.

Learn more

Academic institutions need a robust, resilient, and security-focused IT infrastructure to keep up with the demands of education today. And with constant budget pressures and struggles to stay on the cutting edge, it can be difficult to attract the best students, hire top personnel, win grants, and produce leading research. Learn more about how Red Hat can help.

About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with award-winning support, training, and consulting services.

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