Certainly! In a nutshell, **OpenShift** is a family of containerization software products developed by **Red Hat**. Specifically, **Red Hat OpenShift** is a cloud-based **Kubernetes platform** that assists developers in building applications. [It simplifies automated installation, upgrades, and lifecycle management for the entire container stack—comprising the operating system, Kubernetes, cluster services, and applications—across any cloud environment1](https://docs.openshift.com/container-platform/3.11/dev_guide/dev_tutorials/index.html)[2](https://learn.redhat.com/t5/Containers-DevOps-OpenShift/Learn-OpenShift-for-FREE/td-p/328).

Here are **five free resources** where you can learn more about OpenShift:

1. [**OpenShift Container Platform 3.11 Tutorials**](https://docs.openshift.com/container-platform/3.11/dev_guide/dev_tutorials/index.html): This comprehensive guide covers various languages, frameworks, and deployment scenarios[1](https://docs.openshift.com/container-platform/3.11/dev_guide/dev_tutorials/index.html).
2. [**Learn OpenShift for FREE**](https://learn.redhat.com/t5/Containers-DevOps-OpenShift/Learn-OpenShift-for-FREE/td-p/328): Dive into short lectures and demonstrations to understand containerization, Docker, and deploying applications on a Kubernetes cluster using Red Hat OpenShift[2](https://learn.redhat.com/t5/Containers-DevOps-OpenShift/Learn-OpenShift-for-FREE/td-p/328).
3. [**Red Hat Interactive Learning Portal**](https://developers.redhat.com/learn): Explore hands-on learning paths, including topics like OpenShift, Kubernetes, and data science[3](https://developers.redhat.com/learn).
4. [**OpenShift learning on Red Hat Developer**](https://developers.redhat.com/learn/openshift): Discover various learning paths, from foundational concepts to practical aspects of OpenShift development[4](https://developers.redhat.com/learn/openshift).
5. [**Red Hat OpenShift Service on AWS (ROSA) learning materials**](https://www.redhat.com/en/technologies/cloud-computing/openshift/aws/learn): Access resources specifically related to OpenShift on AWS[5](https://www.redhat.com/en/technologies/cloud-computing/openshift/aws/learn).

Feel free to explore these resources and enhance your knowledge of OpenShift! 🚀