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EGI Cloud Container Compute 101

Tuesday, 1 October 2024 18:00 (1 hour)

This poster offers a straightforward, step-by-step approach to leveraging Kubernetes for scientific tasks. Kubernetes provides robust features for deploying and managing containerized applications across distributed environments. The guide begins with containerizing scientific computations and proceeds to prepare for deployment by configuring essentials such as pods, deployments, services, ingresses, storage mounts, and secrets. It also covers setting up kubectl and authentication to the Kubernetes API using Rancher. The EGI offers container compute service based on the Rancher, for the seamless usage of Kubernetes in scientific computing projects. By following this guide, researchers can get familiar with basic concepts of container computing.

Topic

Needs and solutions in scientific computing: Platforms and gateway

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