

Rancher: the EGI container execution platform

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The EGI Cloud Container Compute is a container orchestrator that facilitates the deployment of containerised applications. Containers offer the advantage of having the entire software and runtime environment in a single package, which can simplify the deployment process. However, deploying a containerised application can be challenging due to the need to install a container orchestrator. This often requires the user to manage the entire virtual machine with all the required system services, which can be time-consuming and complex. In recent years, the adoption of the Kubernetes container orchestrator has led to a notable improvement in the efficiency of both developers and system administrators. This trend is also being observed in scientific computing, where containers are being tailored for use in federated computing environments to facilitate the execution of scientific workloads. This demonstration will introduce the EGI Cloud Container Compute Service, a managed platform that provides seamless container execution.

Topic

Needs and solutions in scientific computing: Platforms and gateway

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