



Service Virtualization based on Linux Containers



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Project and Seminary

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Goals

- The goal is to make mechanisms to:
- Deploy in a simple node
 - Deploy in a kubernetes cluster

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Technologies

- Kubernetes
- Podman
- Java 17

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ISystems

A System is a set of one or more CES. Each of these, in turn, contains one or more Services.

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Pods and Nodes

- **Pods** - A set of one or more containers.
- **Nodes** - A group of one or more Pods.

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Implementation Design

The SVLC acts as a middleman, configuring the app/ISystem before deployment.

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Kubernetes Cluster

A Kubernetes cluster is a set of one or more nodes that run containerized applications, managed by Kubernetes for deployment and scaling.

