**Kubernetes Konekt**

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**Motivation**
- As the industry moves toward cloud services, we want to enable individuals to easily access cloud hosting
- An eco-system where **users** create services and **providers** supply cloud resources

**Background**
- **Cloud Computing:**
  - $175.4bn Market Cap | 21% Annual Grow
  - Used in 73% of all organizations
- **Kubernetes:** enables **cloud computing**
  - Easily deploy and scale **containers** onto **clusters**
- **Container:** packages an application with dependencies
- **Cluster:** set of machines connected to work as a unit

**Problem**
- **User:** Creating and accessing clusters can be difficult
- **Provider:** Tedious managing cluster users

**Solution**
**Kubernetes Konekt:** A web application serving as a proxy, connecting **users** like you to **providers** with clusters

**Technologies**
- Spring
- Hibernate
- Pivotal Cloud Foundry
- Prometheus
- Grafana
- Google Cloud Platform

**System Architecture**
- User Workflow
- Provider Workflow

**User Workflow**
- Container
- Load Balancer
- Metrics Server

**Provider Workflow**
- Provider Cluster
- Metrics Server
- Database

**Manage Clusters**

**Real-time Performance Metrics**

**Create Deployments**

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