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Kubernetes at INCD

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Kubernetes (K8s) is the industry-leading container orchestration platform, offering organizations enhanced reliability, availability, and resilience for its services compared to monolithic architectures. Also, by adopting a declarative paradigm, K8s simplifies the management of multiple complex environments. When integrated with tools such as ArgoCD and Gitlab CI pipelines, K8s also makes it easier for organizations to implement the GitOps methodology. This ensures consistency and traceability across both the cluster and the entire application lifecycle. In this talk, we will discuss our experience with K8s deployment at INCD, we will describe the architecture, automation, and integrations that we made, and reflect on the lessons learned.

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