

Intro to Crossplane

[Youngest Graduate on CNCF]

Raminder Singh
CNCF Chandigarh Day
[Dec 2025]

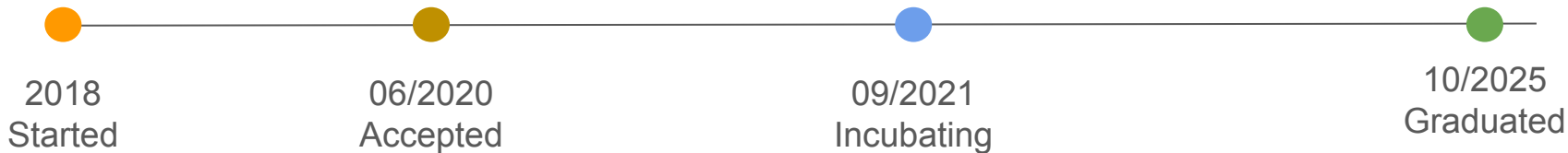


Crossplane is the **cloud native control plane framework** that allows you to **build control planes** without needing to write code.

Crossplane has a **highly extensible backend** that enables you to **orchestrate applications and infrastructure** no matter where they run and a highly configurable frontend that lets you define the **declarative API it offers**



Project Insights



PROJECT INSIGHTS

Key metrics, providing insights into development activity, community engagement, and project health. Powered by **LFX Insights**.



HEALTH SCORE
Excellent (82)

Health Score measures a project's overall trustworthiness across four key areas: contributors, development, popularity, and security.



TOTAL CONTRIBUTORS
17,378
+19% vs. previous year



GITHUB STARS
17,079
+18% vs. previous year



SOFTWARE VALUE
\$707.7M



TOTAL CONTRIBUTING ORGANIZATIONS
5,717
+12% vs. previous year



GITHUB FORKS
4,219
+24% vs. previous year



FIRST COMMIT
September 8, 2018



CLOUD NATIVE
COMPUTING FOUNDATION

Crossplane Is Now a CNCF Graduated Project! 🎓



Sandbox
Project



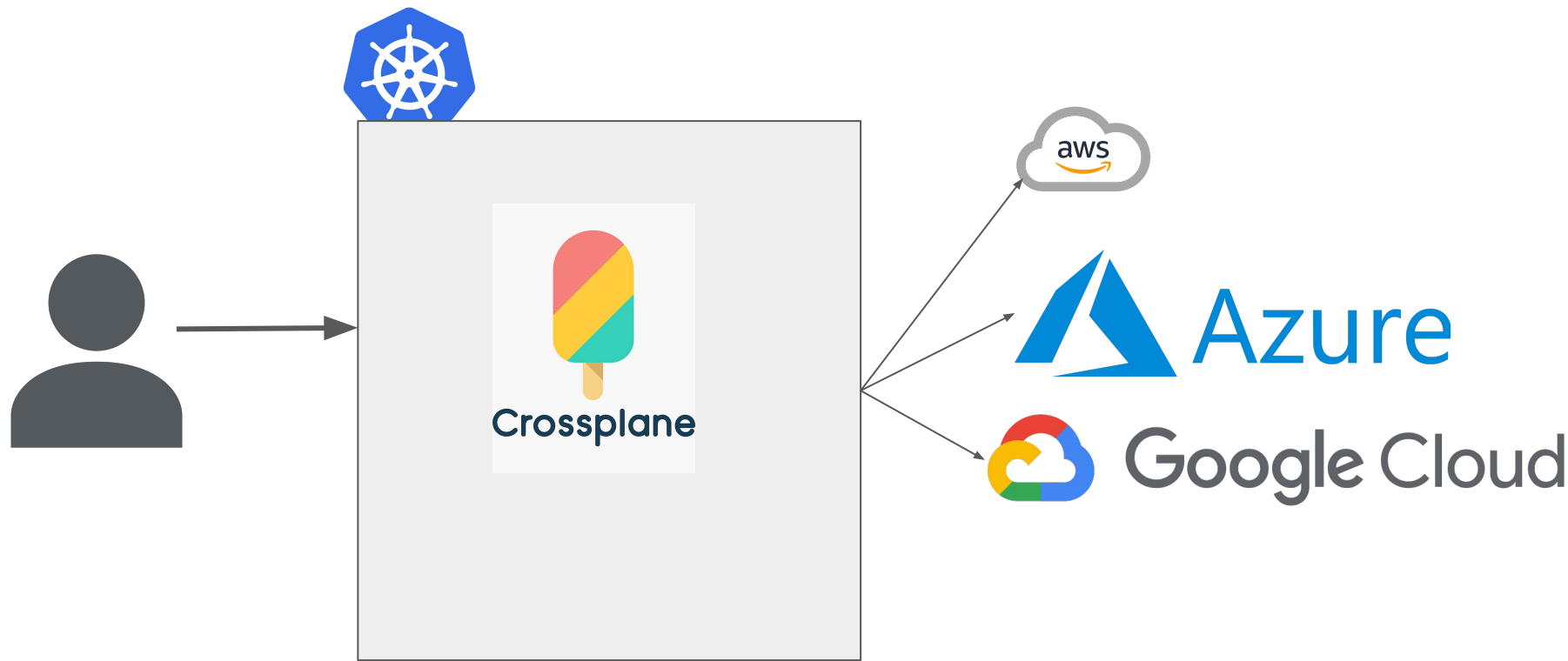
Incubating
Project



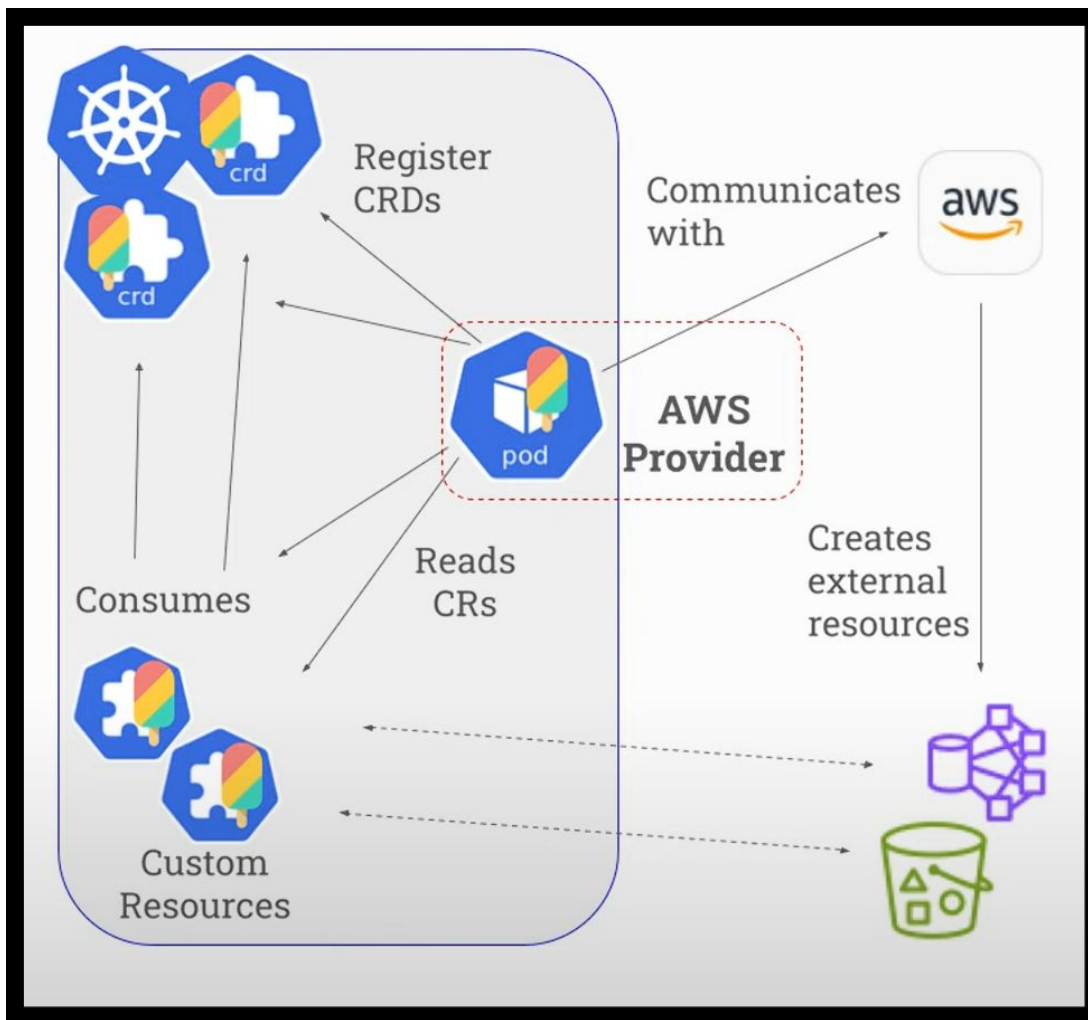
Graduated
Project

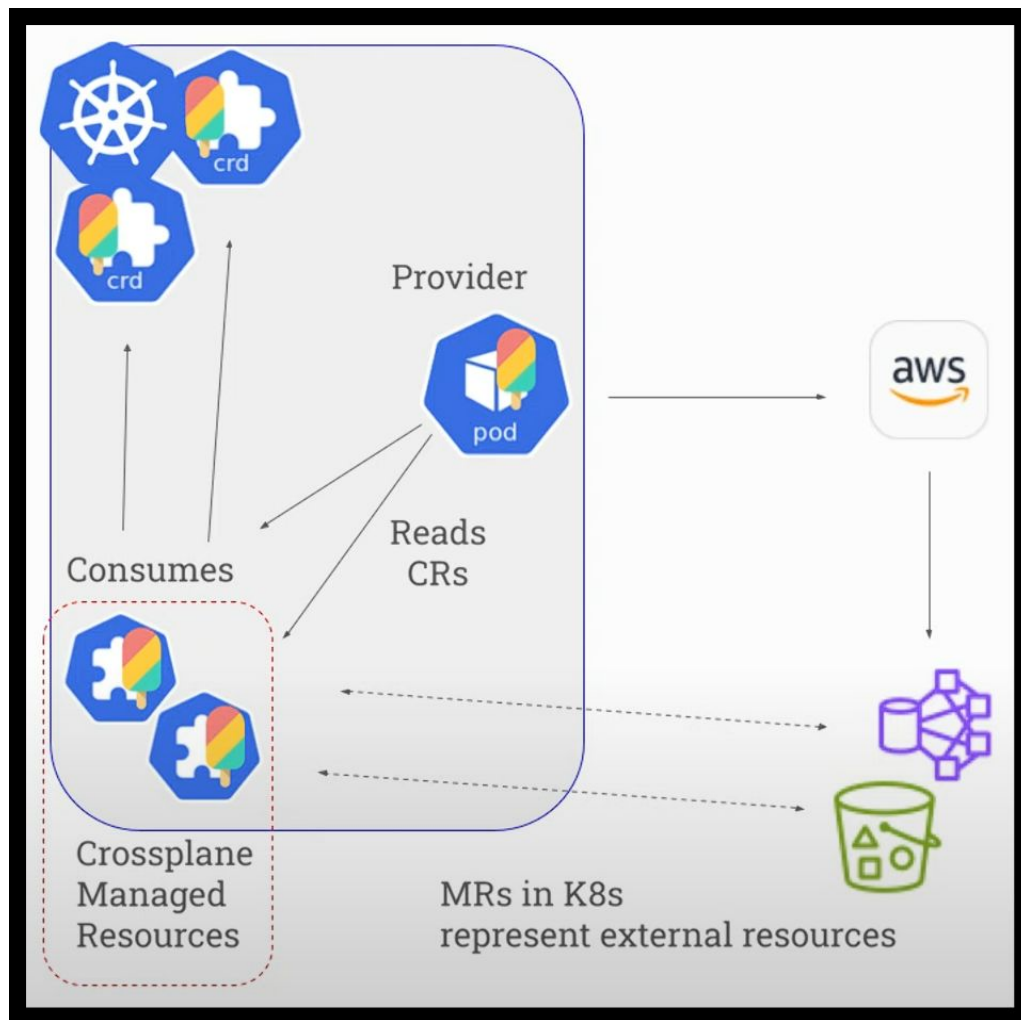


- Crossplane is an abstraction layer for public/private/hybrid cloud infrastructure orchestration
 - NoCode/LowCode framework for building cloud native control Planes that runs on K8s
 - Leverages IaC concepts
- Crossplane provides **Active state enforcement**
- **Cloud Agnostic**
- **Unifies Control Planes**



Demo





Crossplane Compositions



K8s service
of AWS MRs

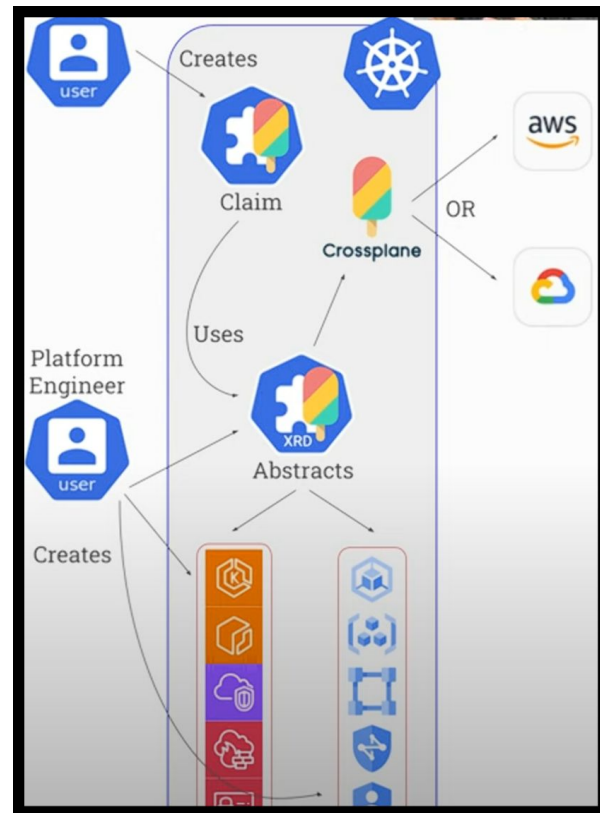


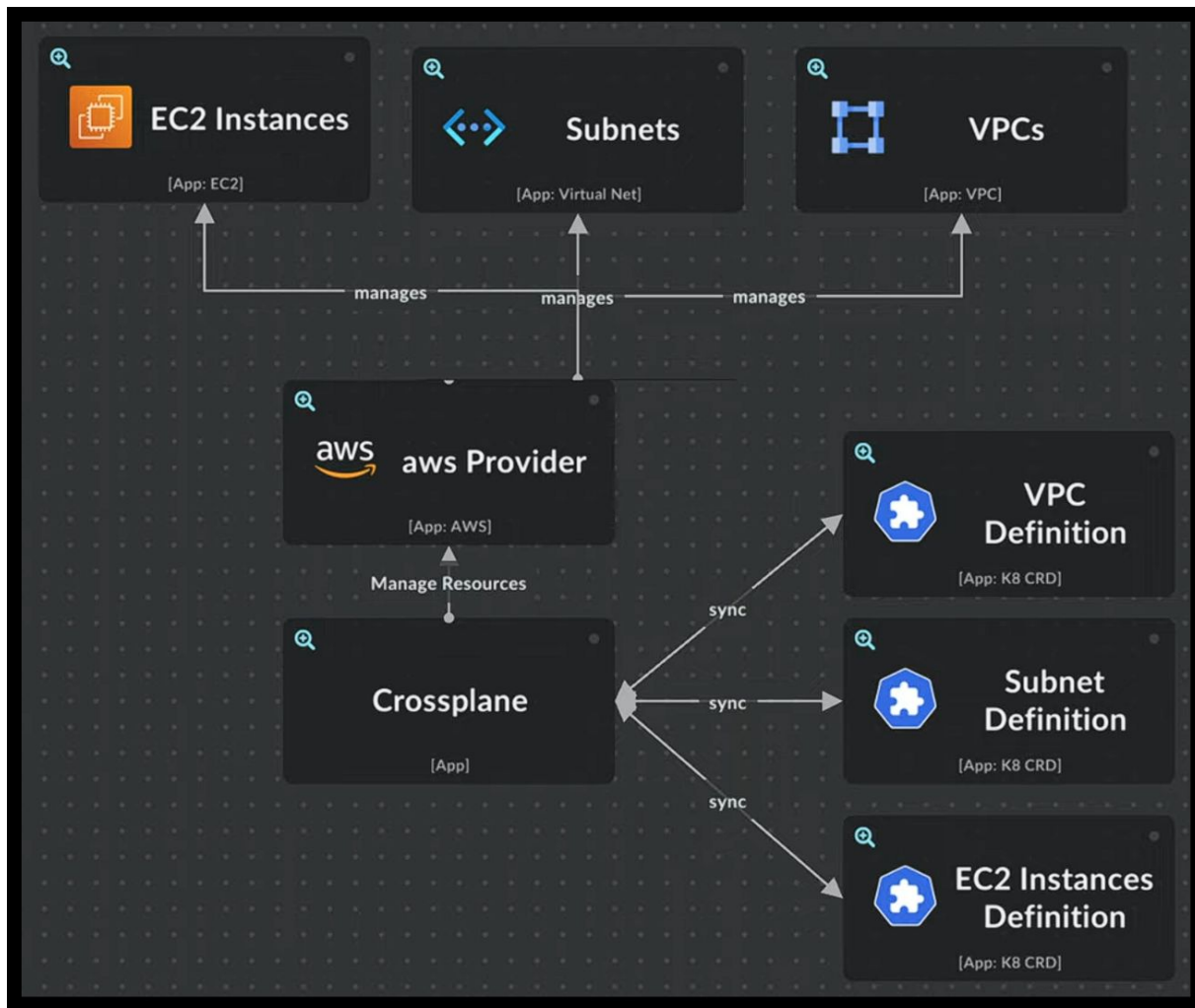
K8s service
of GCP MRs

size: large
transform
region: us-west-1
t3a.large

patch

patch





References

- [CNCF On demand webinar: An introduction to Crossplane - from managed services to claims | CNCF](#)
- [Crossplane | CNCF](#)
- [Crossplane - The Cloud Native Framework for Platform Engineering - Jared Watts & Nic Cope, Upbound](#)
- https://www.youtube.com/watch?v=5IWUWat_bbY - Crossplane Deep Dive by KubeSimplify
- [\(2\) 30 Days Of CNCF Projects | Day 5: What is Crossplane + Demo 🌀 - YouTube](#)
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