Node Port Removal Status Update (aka Ingress Controller for ONAP)
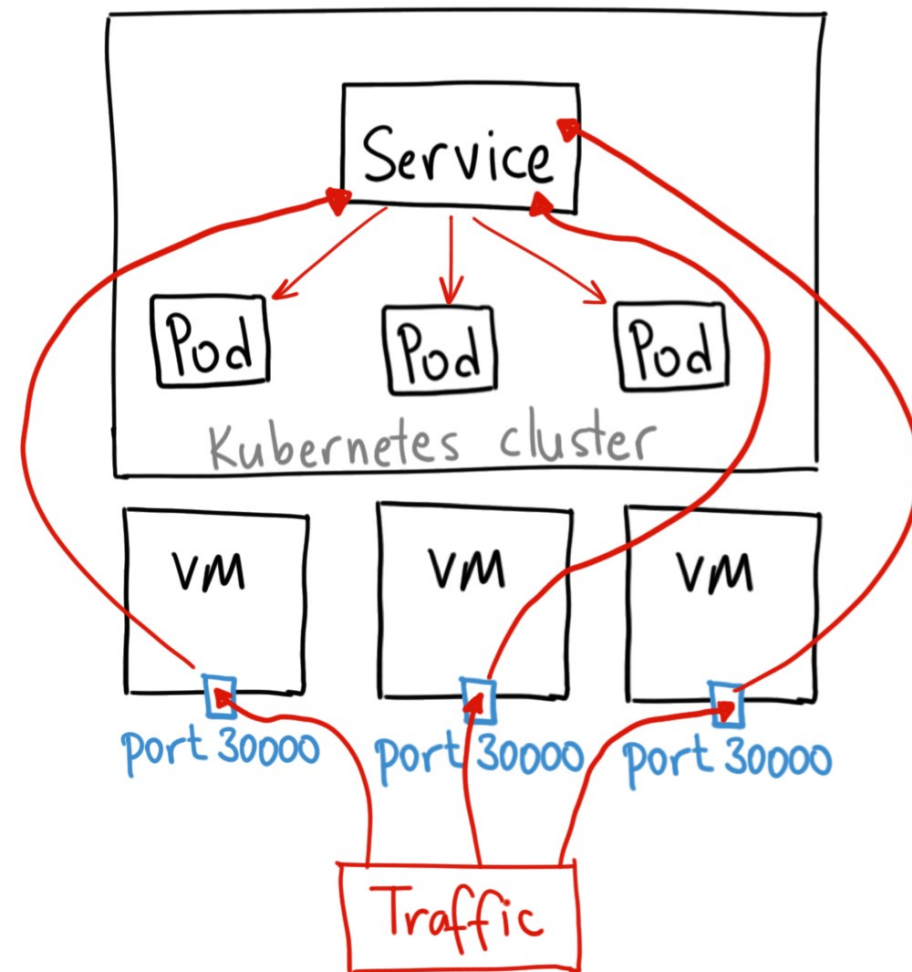
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Agenda

- Problem statement

- Proposed solution

- Current status

Problem statement

- "It should be noted that the use of NodePorts is temporary. An alternative solution is currently being scoped for the Dublin Release."

- Security concerns

- Modularity concers

Proposed solution

- Add generic ingress controller template [E]
- Introduce Nginx-ingress controller next to NodePorts [F]
- Switch projects and tests to use ingress controller [G]
- Remove all NodePorts available via ingress [G]
- Investigate support for Ambassador [H]
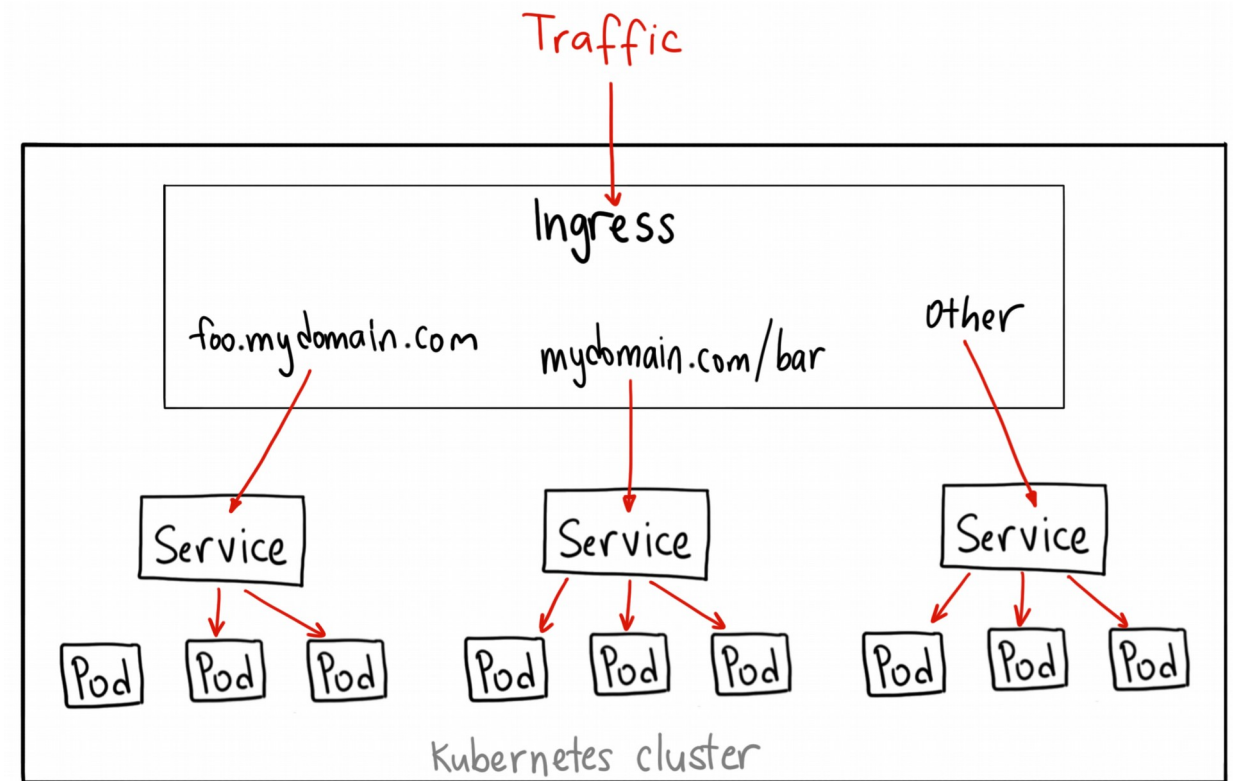
Why didn't you use XXX instead of Nginx?

Common question #2

Will you break my project by introducing ingress in Frankfurt?

Can I add ingress for my project earlier to play with it?

Common question #4

What will happen with my custom protocol exposed via NodePort 30XXX as it cannot be handled by Nginx?

Uncommon question #1

Can I help you getting this done?

Single host vs multiple hosts

example.onap.org/service   vs   service.example.onap.org

Current status?

- Ingress template [DONE]
- Offline friendly ingress configuration [DONE]
- Additional installation step [IN PROGRESS]
- Add ingress controller for every service [IN PROGRESS]
- Switch all services, scripts and tests to use ingress
- Remove most of NodePorts

Questions?