



Kubernetes setup & deployment

By Pranam Lashkari

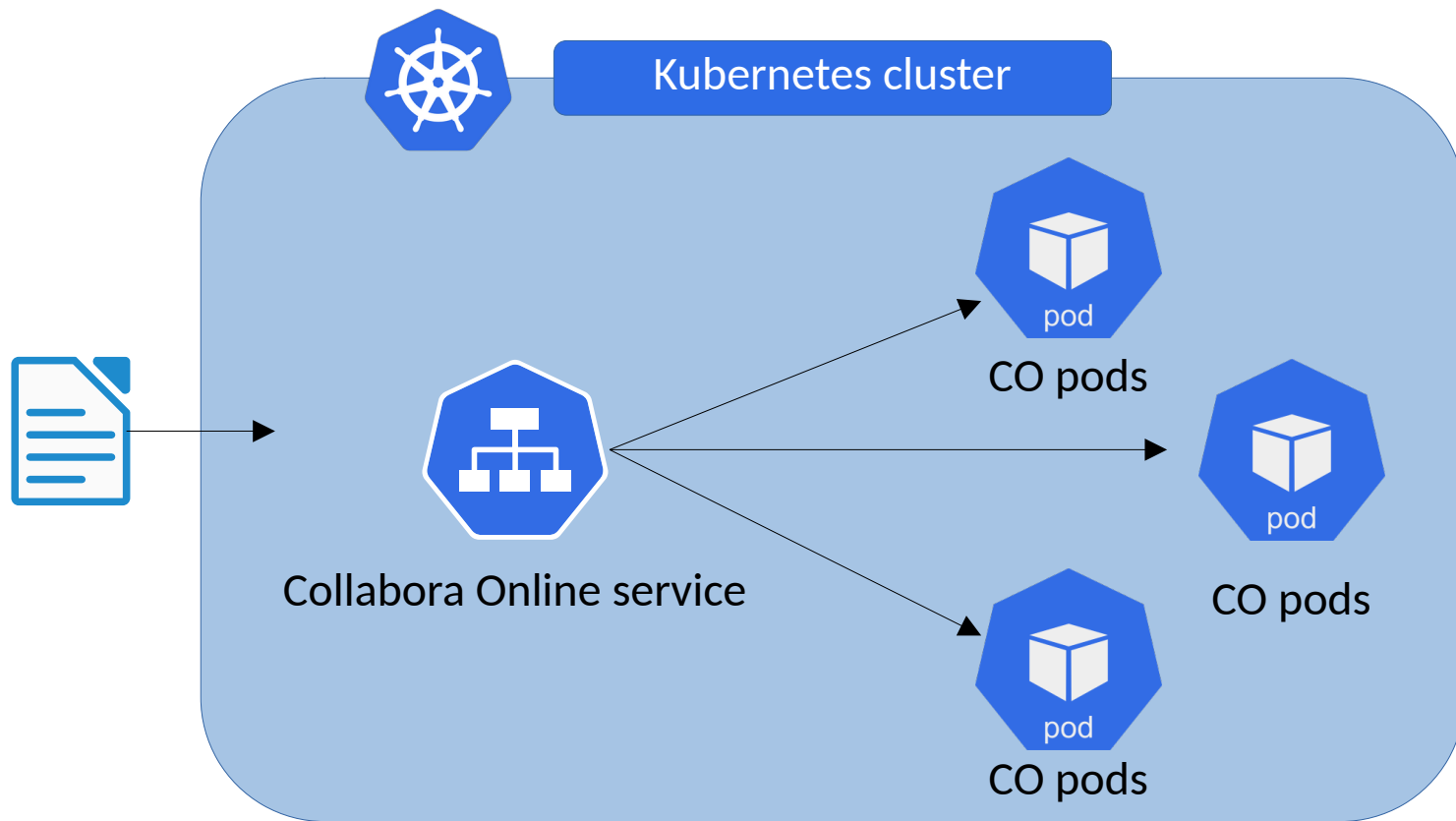
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How it works!?



Standard case



BUT...

It won't work...

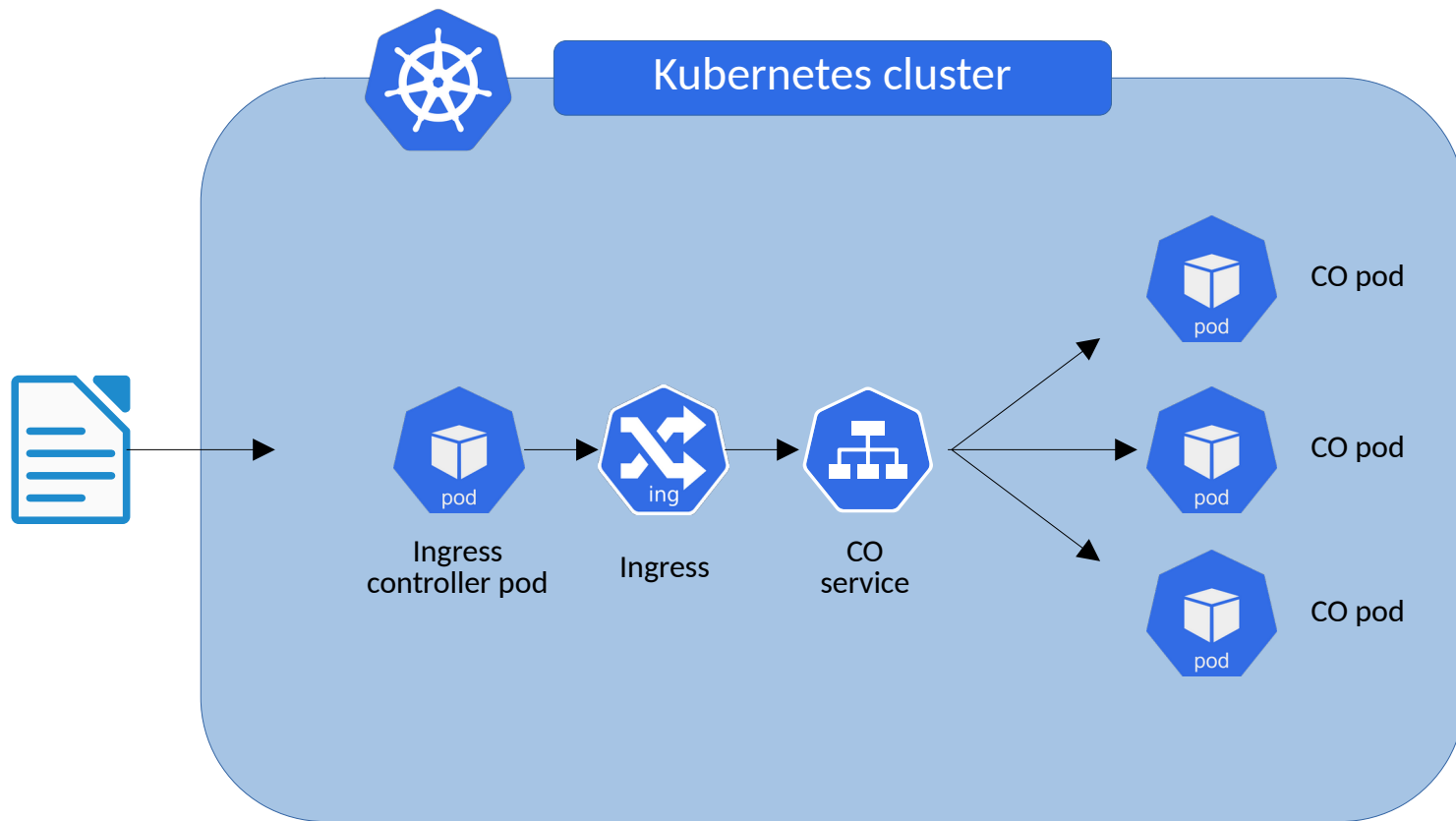


Introduce ingress for load balancing

- Balance based on URL parameter **WOPISrc**
 - If same WOPISrc then request goes to the same pod
- You can use any ingress controller of your choice, Collabora provides configuration for Haproxy and Nginx



Standard case



Let's get hands dirty...

```
kubernetes > helm > collabora-online > templates > ! ingress.yaml
```

```
You, 18 hours ago | 2 authors (You and others)
```

```
1  apiVersion: networking.k8s.io/v1
2  kind: Ingress
3  metadata:
4    name: {{ .Values.global.ingress.name }}
5    namespace: {{ .Values.namespace.collabora }}
6    annotations:
7      nginx.ingress.kubernetes.io/upstream-hash-by: "$arg_WOPISrc"
8  spec:
9    rules:
10     - host: {{ .Values.hosts.host }}
11       http:
12         paths:
13           - path: "/"
14             pathType: Prefix
15             backend:
16               service:
17                 name: {{ .Values.global.app.service.name }}
18                 port:
19                   number: 9980
20
```

```
kubernetes > helm > collabora-online > templates > ! service.yaml
```

```
You, 4 months ago | 2 authors (Gabriel Masei and others)
```

```
1  apiVersion: v1
2  kind: Service
3  metadata:
4    name: {{ .Values.global.app.service.name }}
5    namespace: {{ .Values.namespace.collabora }}
6    labels:
7      app: {{ template "name" . }}
8      chart: {{ template "chartname" . }}
9      release: {{ .Release.Name }}
10   annotations:
11     haproxy.org/timeout-tunnel: "3600s"
12     haproxy.org/backend-config-snippet: |
13       balance url_param WOPISrc check_post
14       hash-type consistent
15  spec:
16    type: {{ .Values.global.app.service.type }}
17    ports:
18     - port: {{ .Values.global.app.service.externalPort }}
19       targetPort: {{ .Values.global.app.service.internalPort }}
20       protocol: TCP
21       name: {{ .Values.global.app.service.name }}
22    selector:
23      app: {{ template "name" . }}
24      release: {{ .Release.Name }}
25
```



Documentation can be found at...

<https://sdk.collaboraonline.com/docs/installation/Kubernetes.html>



Thank you...



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