

Day16 Istio灰度发布任务的介绍 与实践

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发布任务

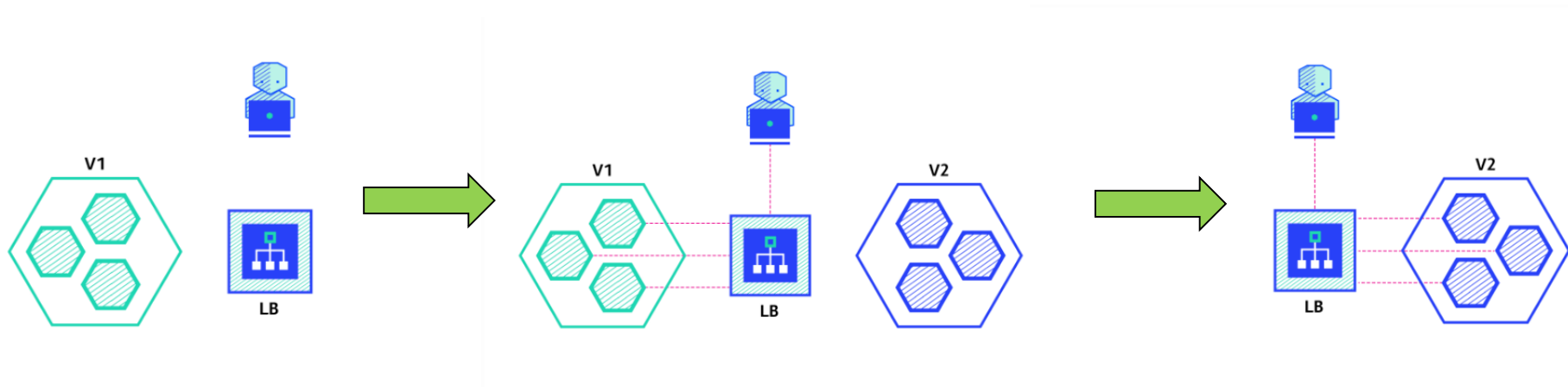
- 蓝绿发布



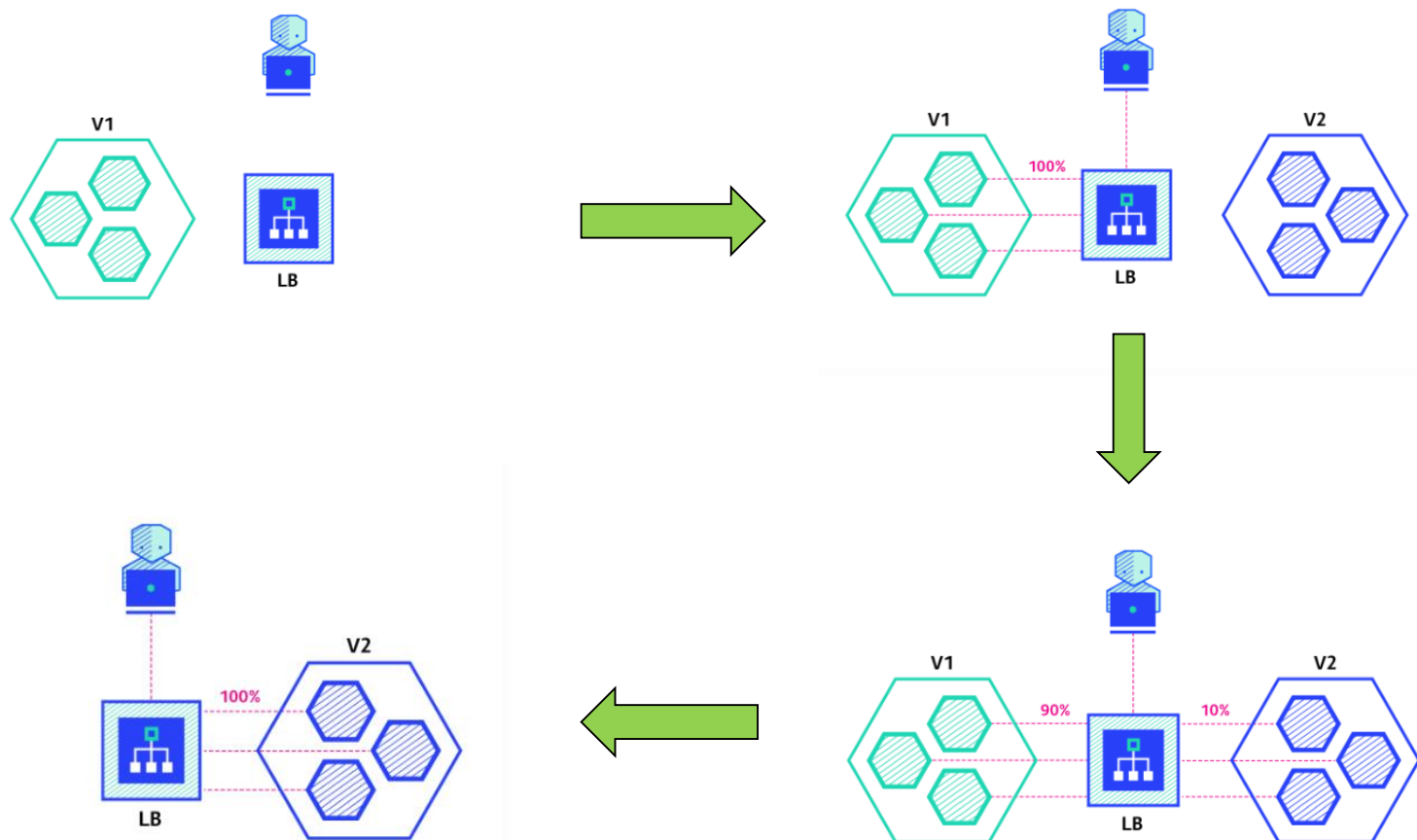
- 金丝雀发布



蓝绿发布



金丝雀发布








Istio流量控制

基于请求内容的路由







策略类型 ☐ 基于流量比例发布 ☒ 基于请求内容发布

Cookie内容:

允许访问的操作系统:

 iOS	 android	 windows
 MacOS	 linux	

允许访问的浏览器:


 Chrome	 360	 IE
 Safari	 Sogou	 Edge


编辑规则描述:

配置文件:

基于流量比例的路由

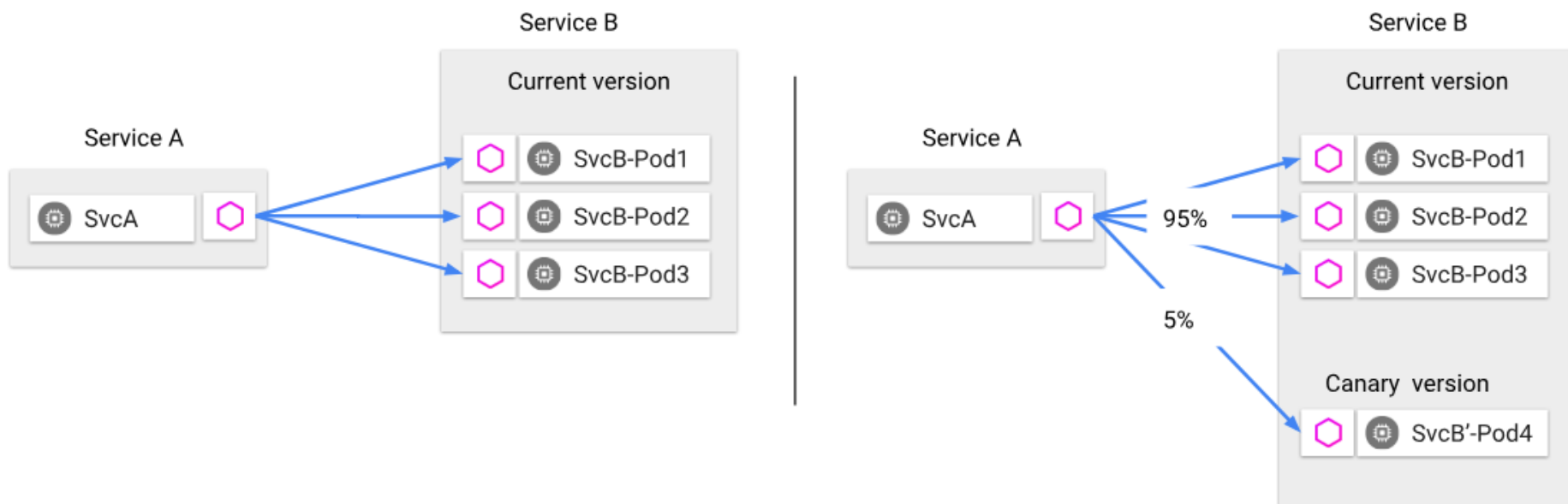
策略类型 ☒ 基于流量比例发布 ☐ 基于请求内容发布

test 版本流量配比 % 实例数: 1 

v1 版本流量配比 % 实例数: 1 

编辑规则描述: 根据基于流量比例规则, 对组件productpage 的访问满足50%的请求流量会转发到灰度版本test

基于流量比例的路由



Traffic splitting decoupled from infrastructure scaling - proportion of traffic routed to a version is independent of number of instances supporting the version

基于流量比例的路由

apiVersion: networking.istio.io/v1alpha3

kind: **DestinationRule**

metadata:

name: reviews

spec:

host: reviews

trafficPolicy:

loadBalancer:

simple: RANDOM

subsets:

- name: v1

labels:

version: v1

- name: v2

labels:

version: v2

apiVersion: networking.istio.io/v1alpha3

kind: **VirtualService**

metadata:

name: reviews

spec:

hosts:

- reviews

http:

- route:

- destination:

host: reviews

subset: v1

weight: 75

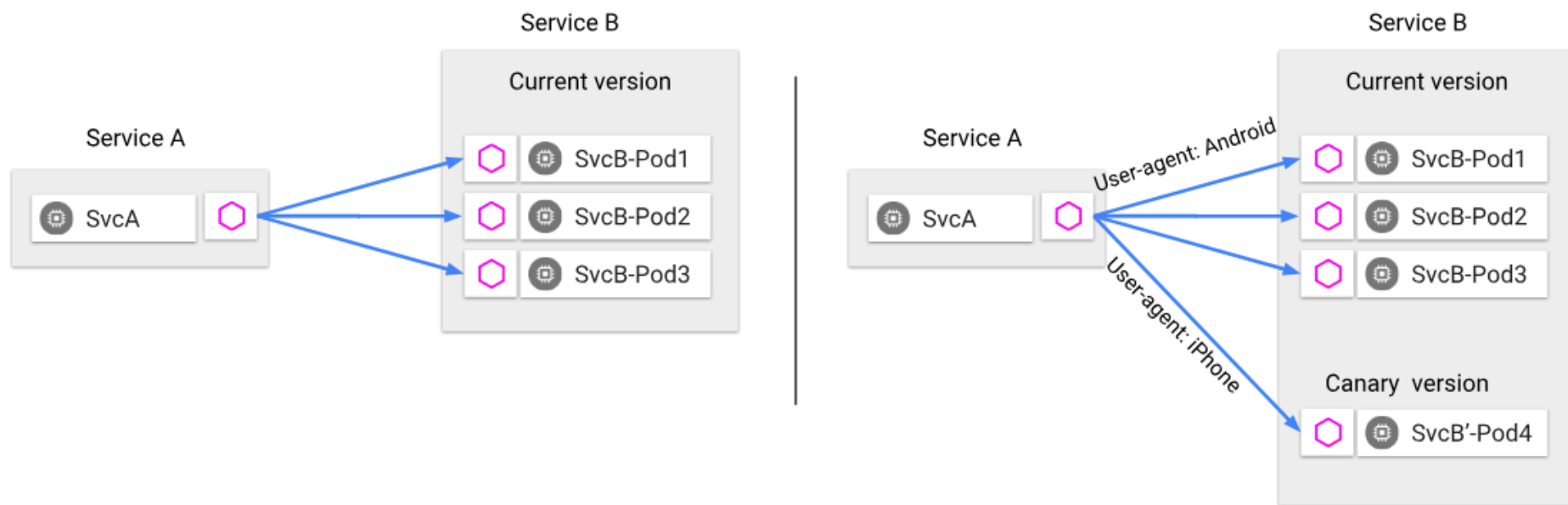
- destination:

host: reviews

subset: v2

weight: 25

基于请求内容的路由



Content-based traffic steering - The content of a request can be used to determine the destination of a request

基于请求内容的路由

apiVersion: networking.istio.io/v1alpha3

kind: **VirtualService**

metadata:

name: reviews

...

spec:

hosts:

- reviews

http:

- match:

- **headers:**

- end-user:

- exact: jason

route:

- destination:

- host: reviews

- subset: v2

- route:

- destination:

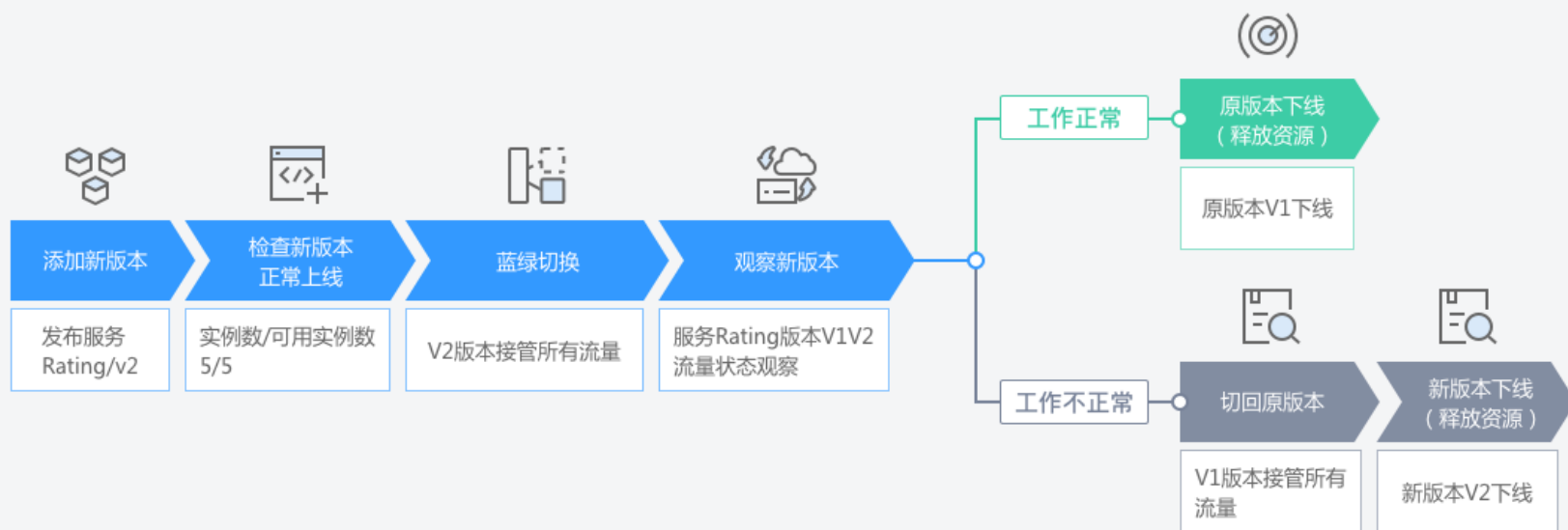
- host: reviews

- subset: v1

基于请求内容发布策略只对直接访问的入口服务有效。

如果希望对所有服务有效，需要业务代码对HEAD信息传播。

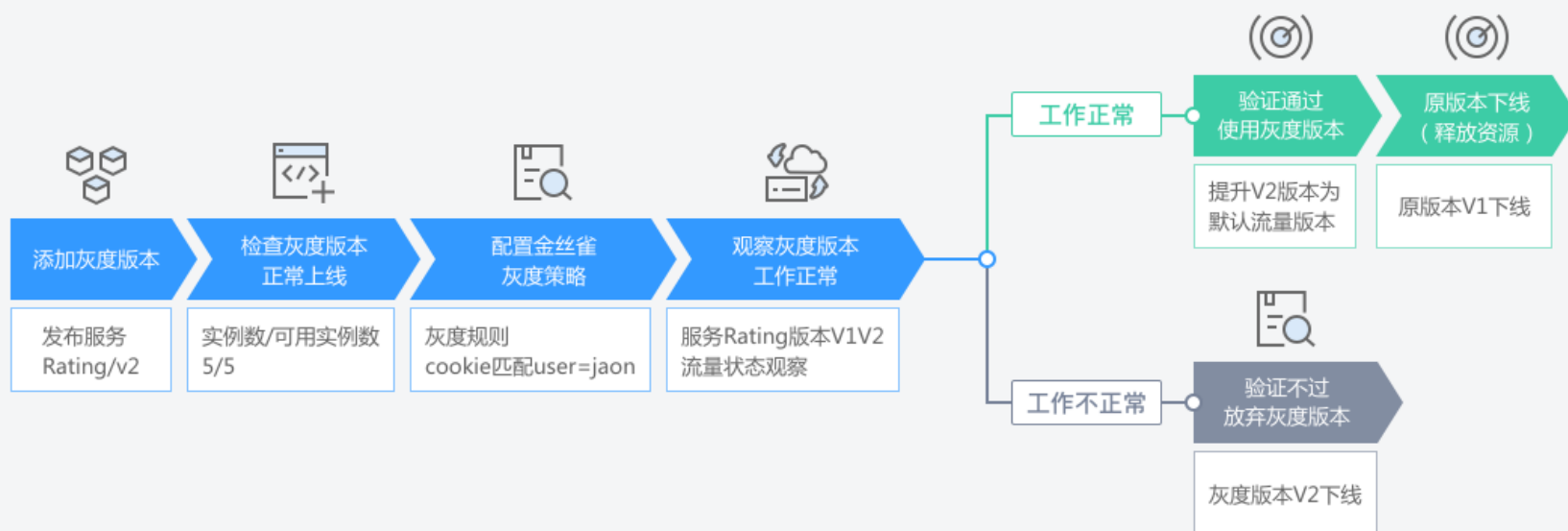
华为云蓝绿发布实践



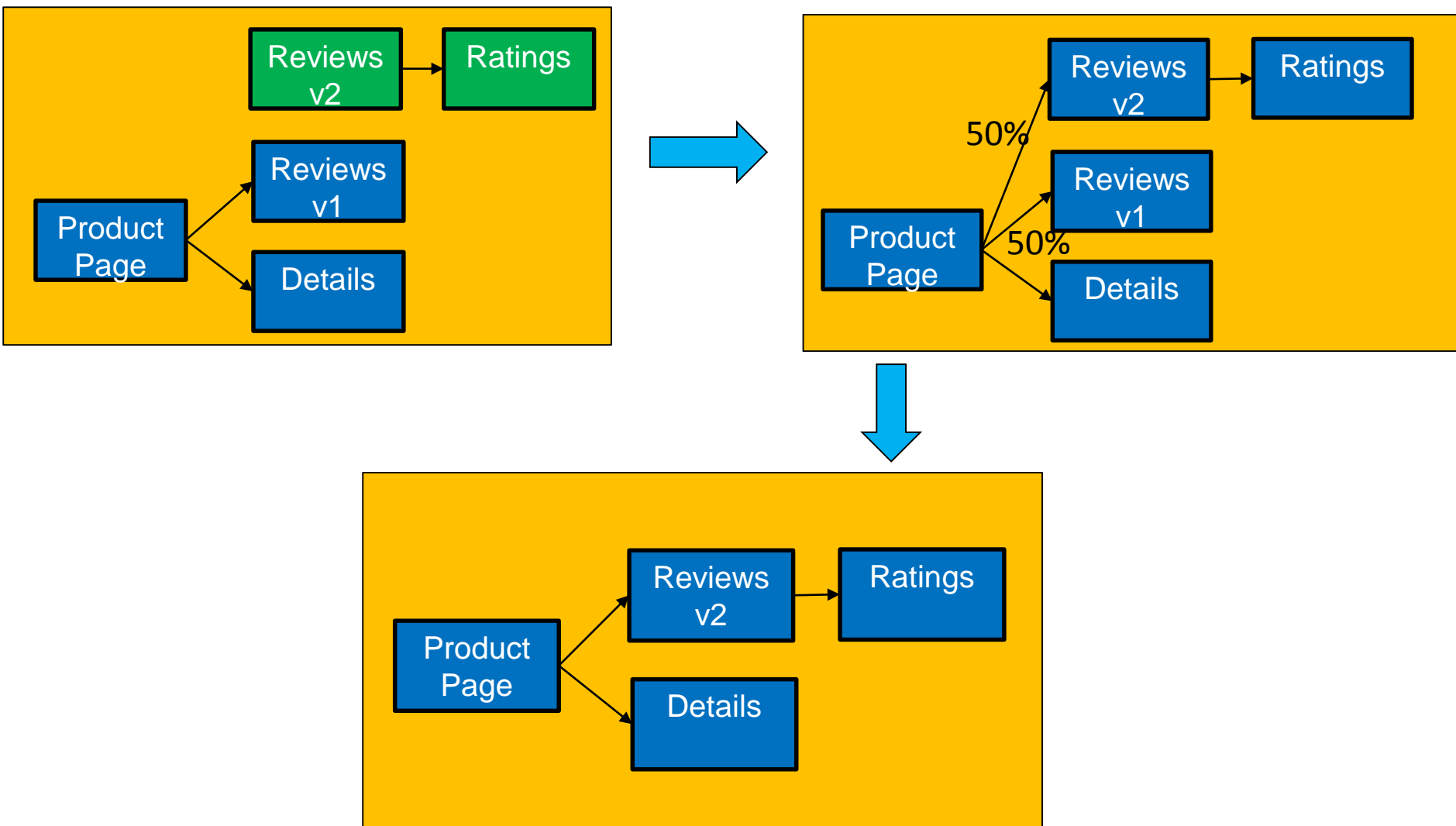
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- Demo

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- Demo

Thank you

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