Day16 Istio灰度发布任务的介绍与实践

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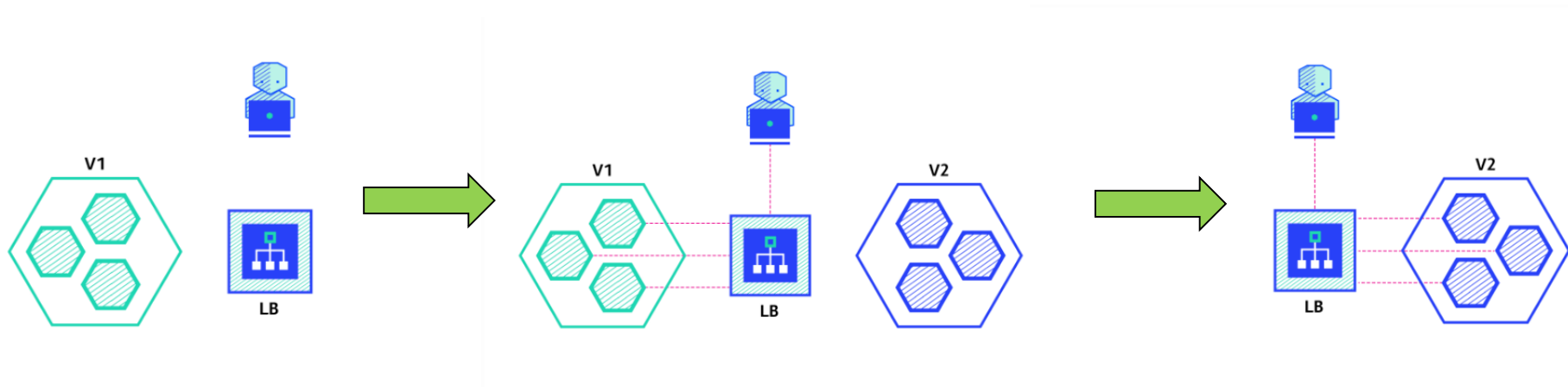
发布任务
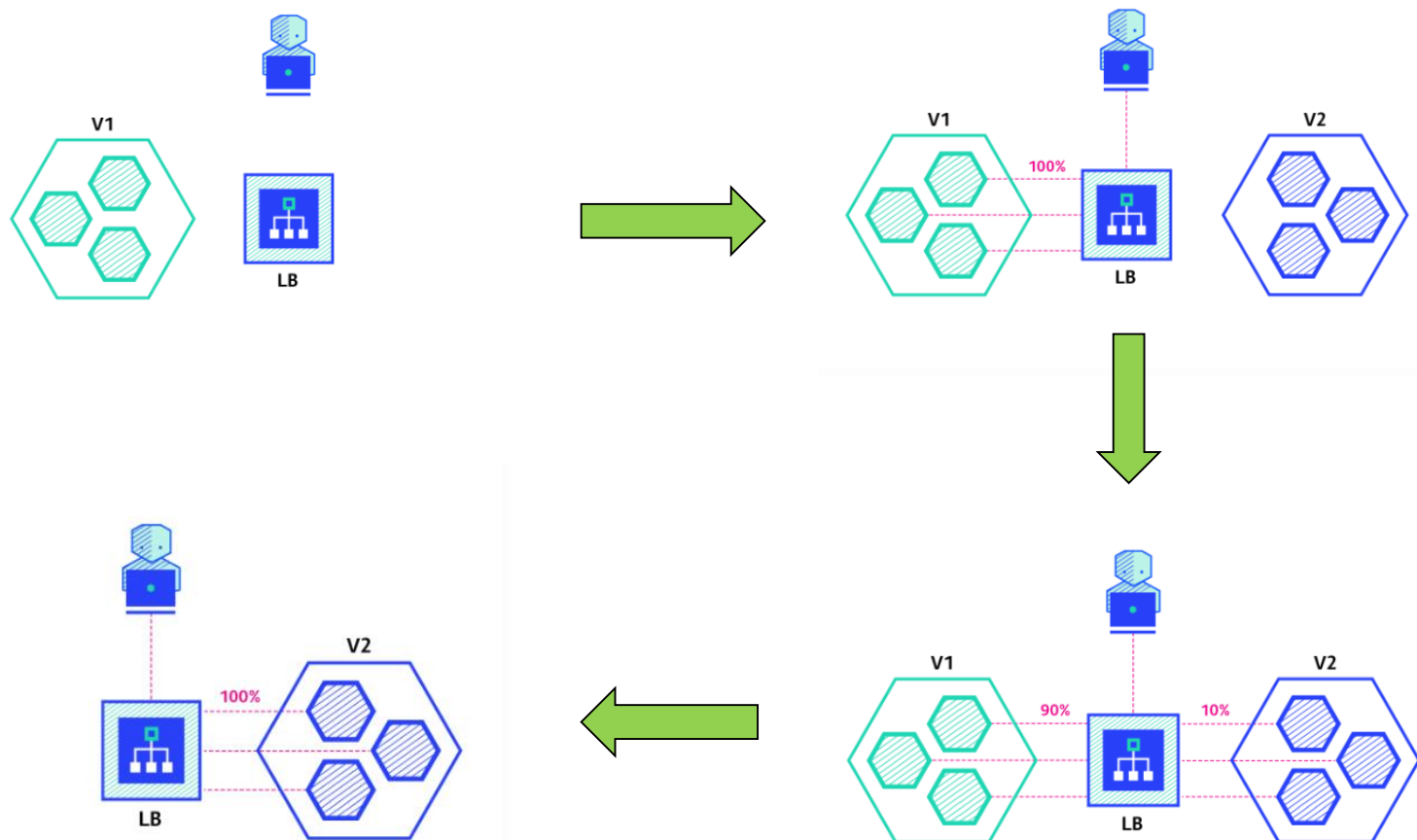
- 蓝绿发布

- 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　　　　　　　　　　　基于流量比例的路由

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
```
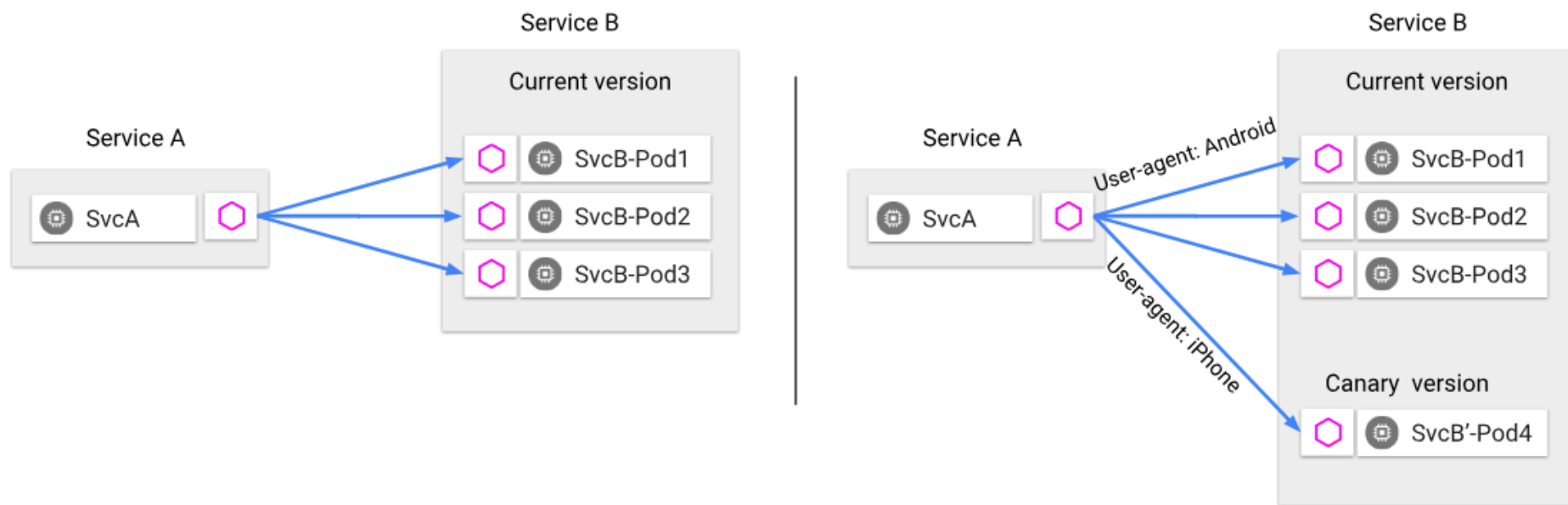
基于请求内容的路由

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
```
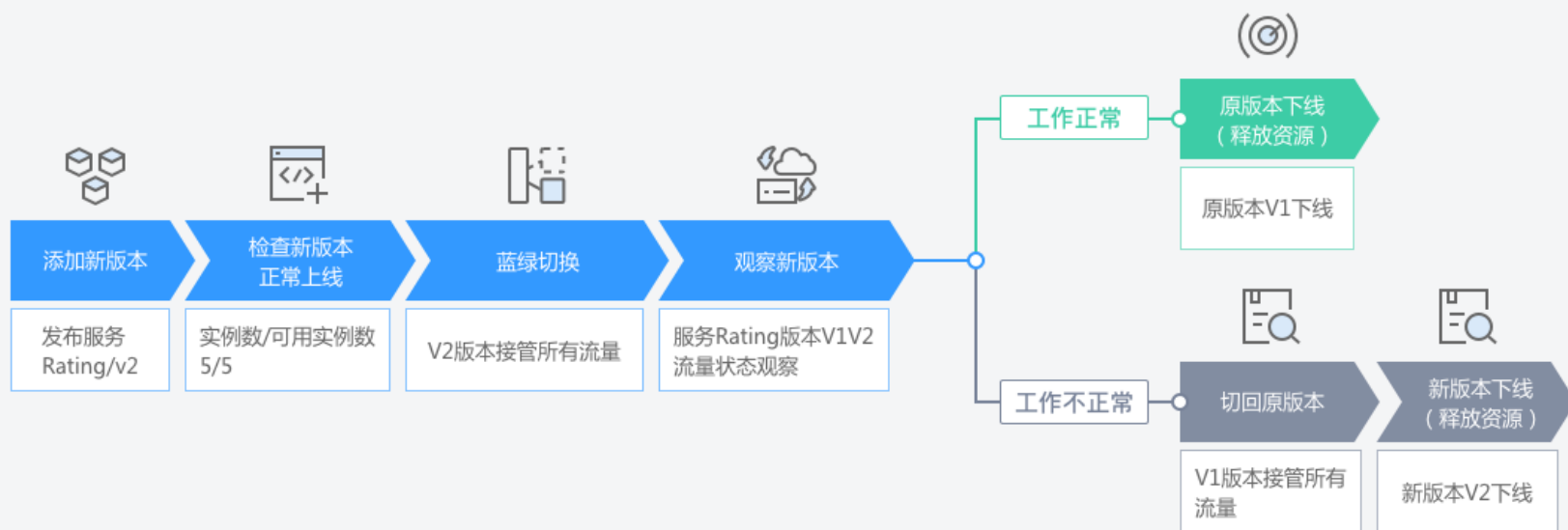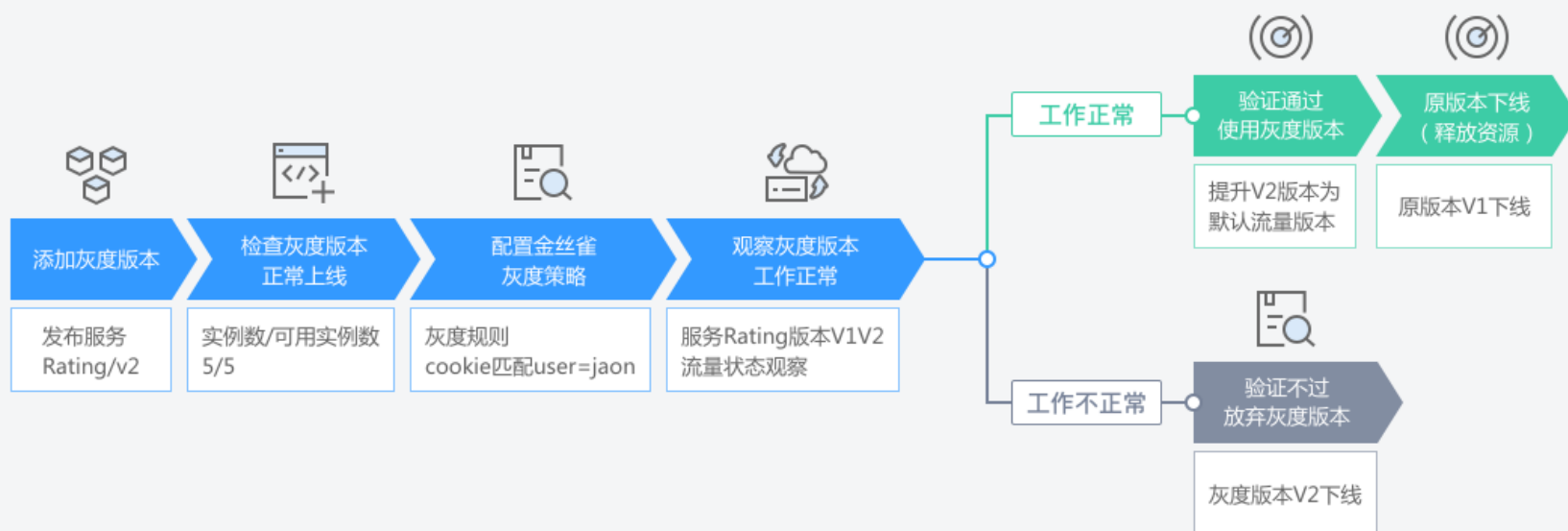
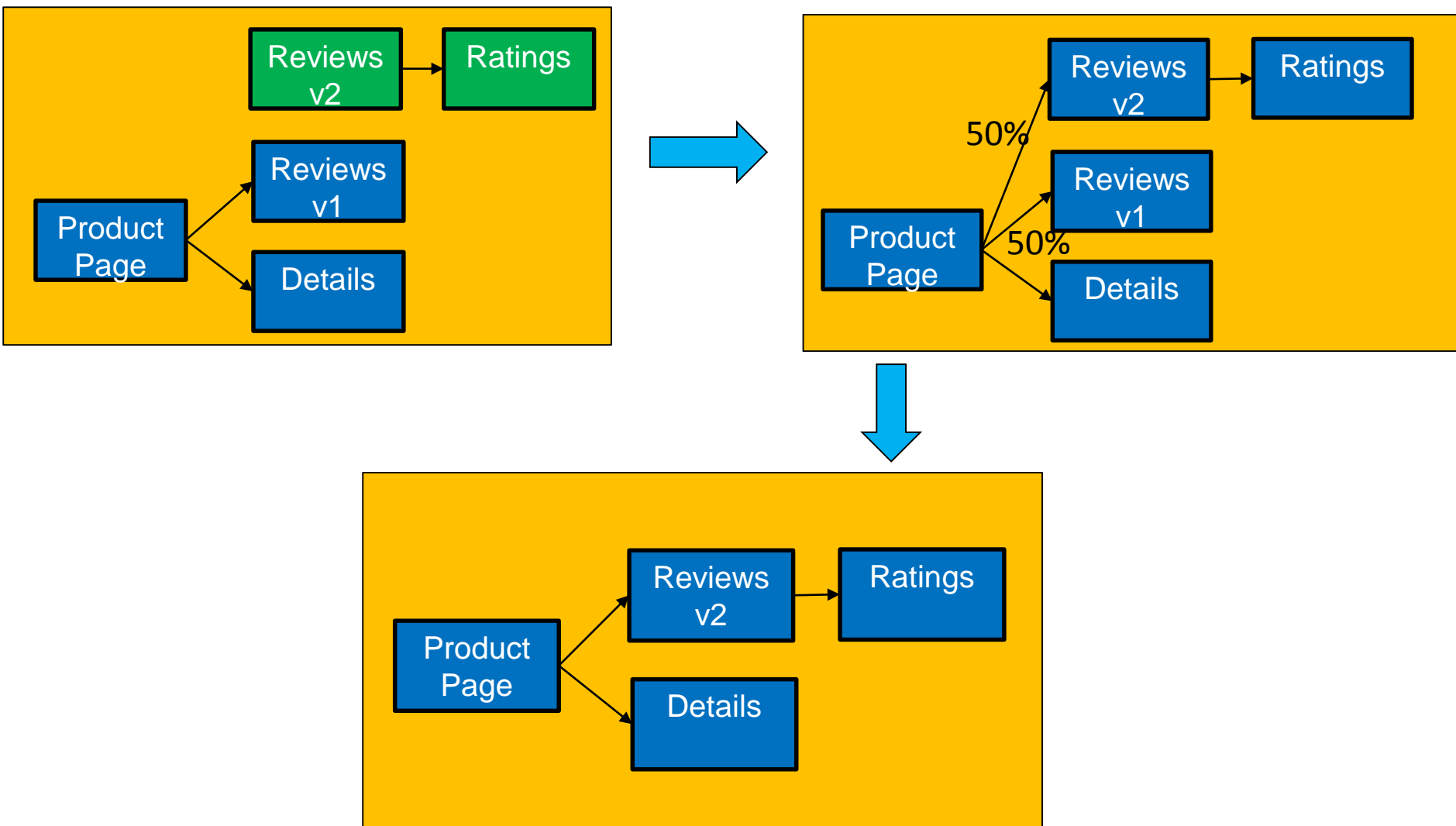　　基于请求内容发布策略只对直接访问的入口服务有效。
　　如果希望对所有服务有效，需要业务代码对HEAD信息传播。

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- Demo

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Thank you

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