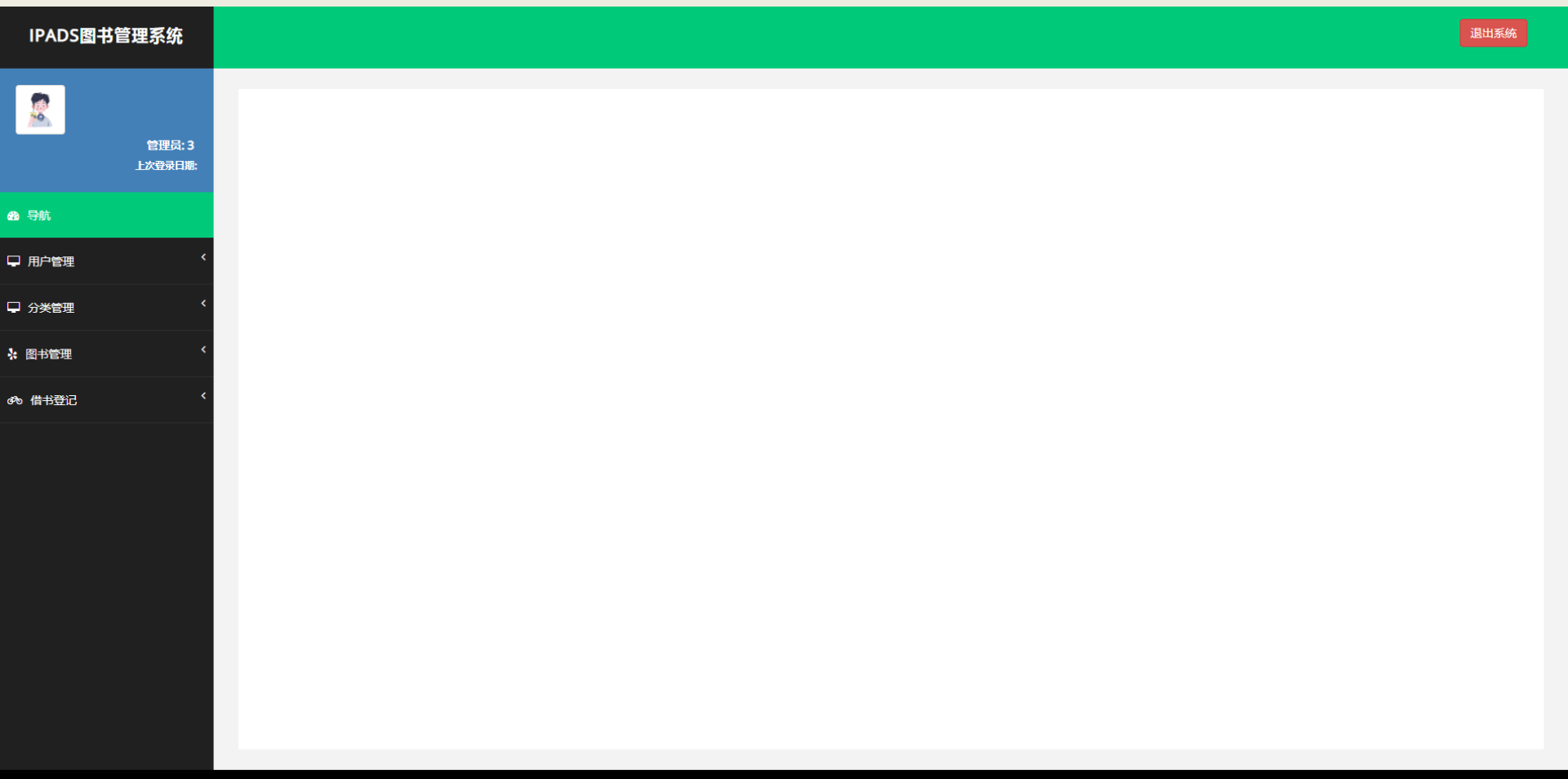


# IPADS图书管理

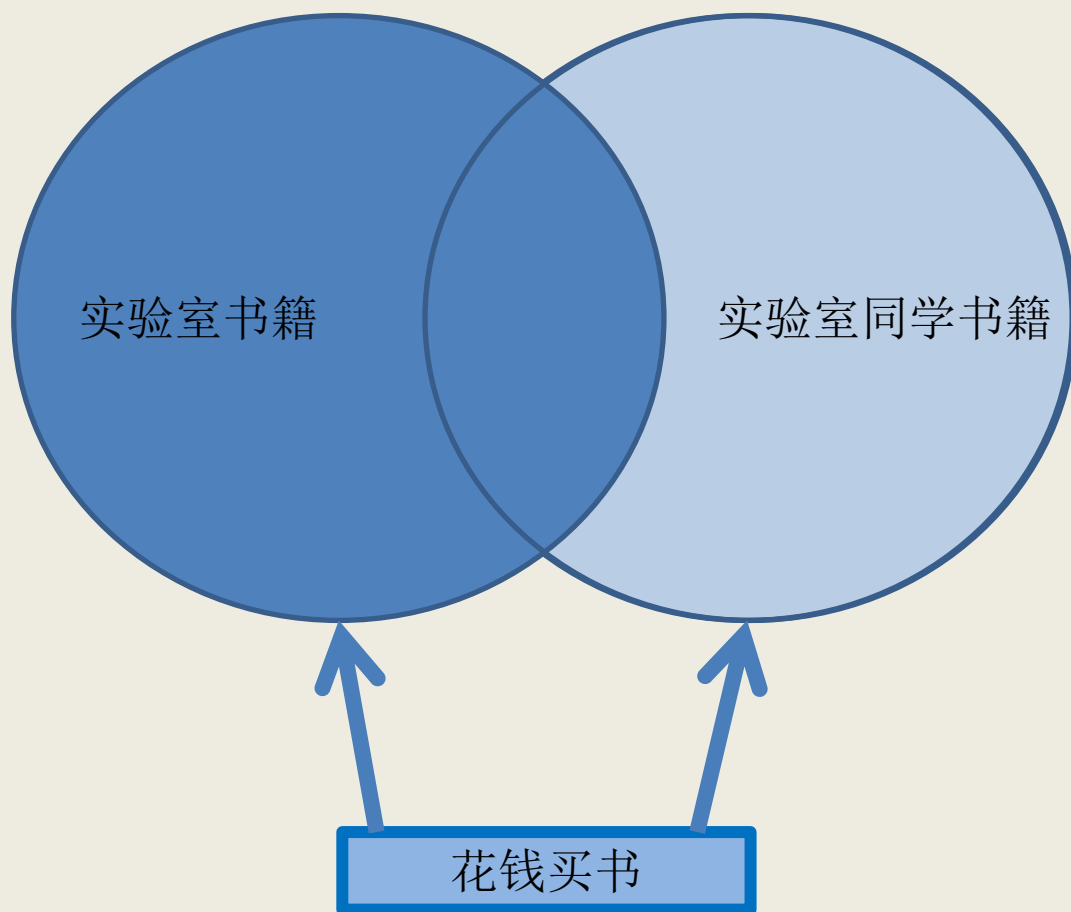
118037910022 范文韬

118037910038 吴逸伦

- 效果图



- 一个观察

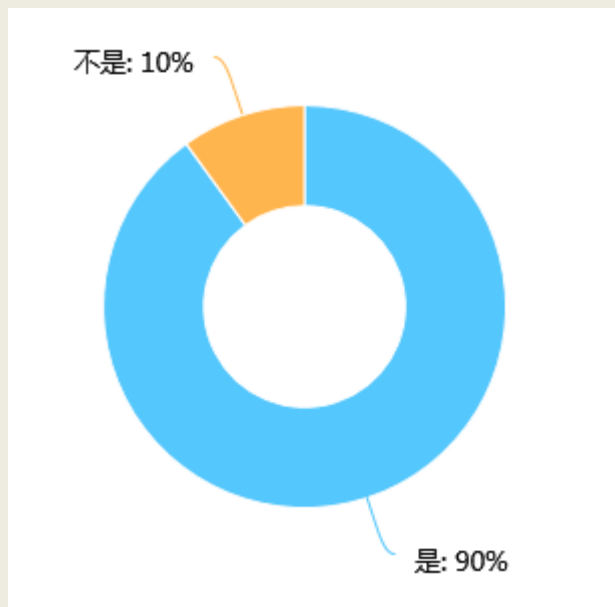


# • 一个观察

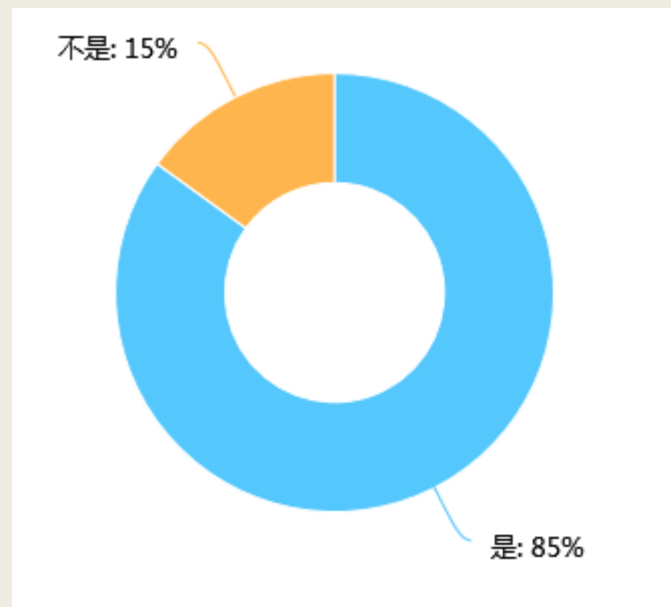
书名	编号	借书人
快学Scala	53	
快学Scala	3	WMY
快学Scala	5	LTY
CSE text book	1	
CSE text book	2	
大规模分布式存储系统	29	
Probability, Markov Chains, Queues, and Simulation	97	
风格的要素	10	Rong
C++ primer	59	CQS
Linux系统编程	18	WXY
TCP/IP详解	67	MZY
应用密码学:协议,算法与C源程序	4	
白帽子讲Web安全	71	CKX
深入理解Linux内核	6	CQS
Linux设备驱动程序	7	LL
C++ primer	11	WXY
深入理解计算机系统	12	

- Customer Validation

– Round 1:超过85%的实验室同学认为对实验室书籍的信息获取不够



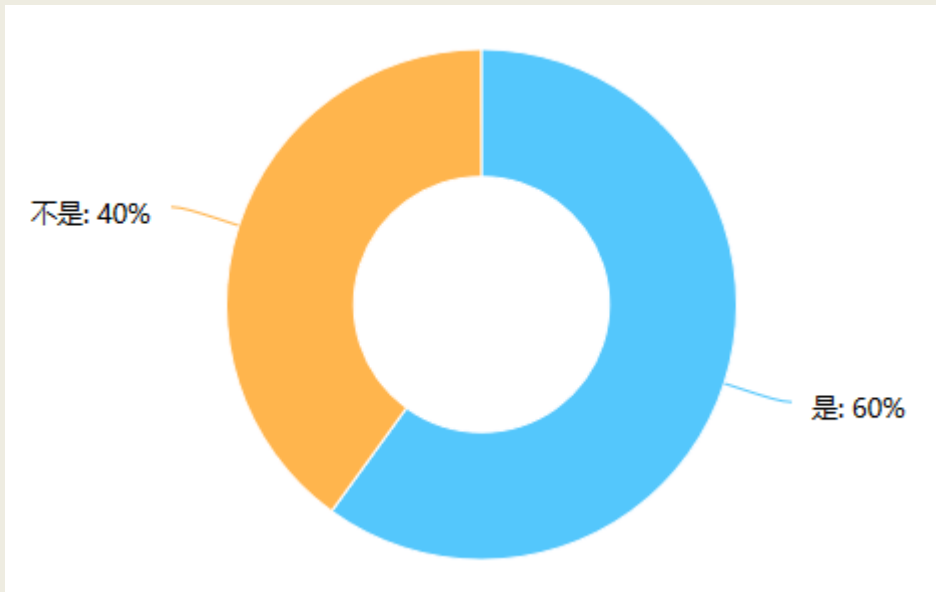
管理不够方便



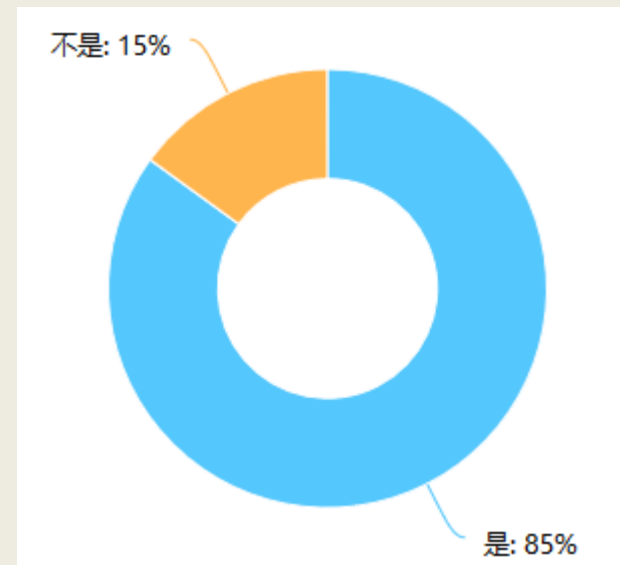
信息难以获取

- Customer Validation

- Round 2:记录借阅信息是否必要(接近百本书籍)



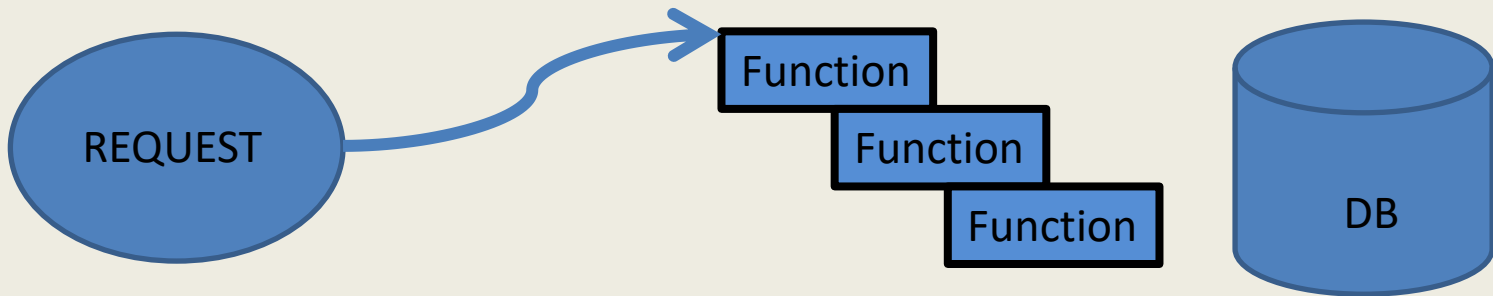
是否有借书经历



是否打算借书

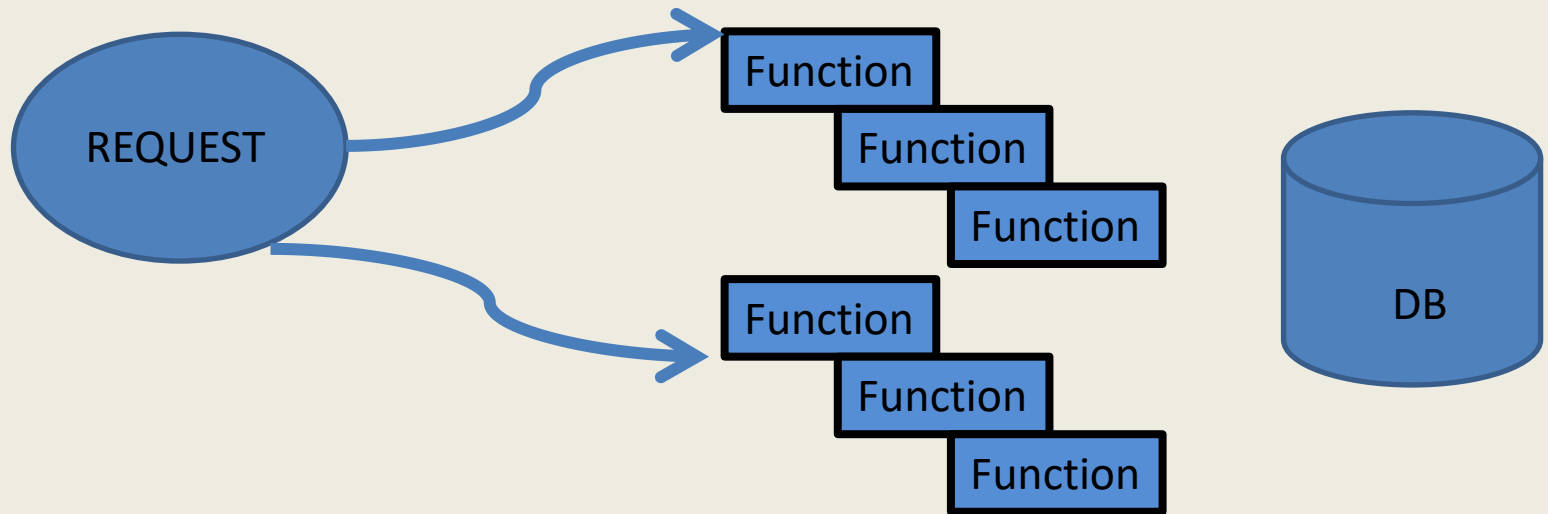
- 实现

– Iteration 1:简单功能实现-登录，书籍查看



- 实现

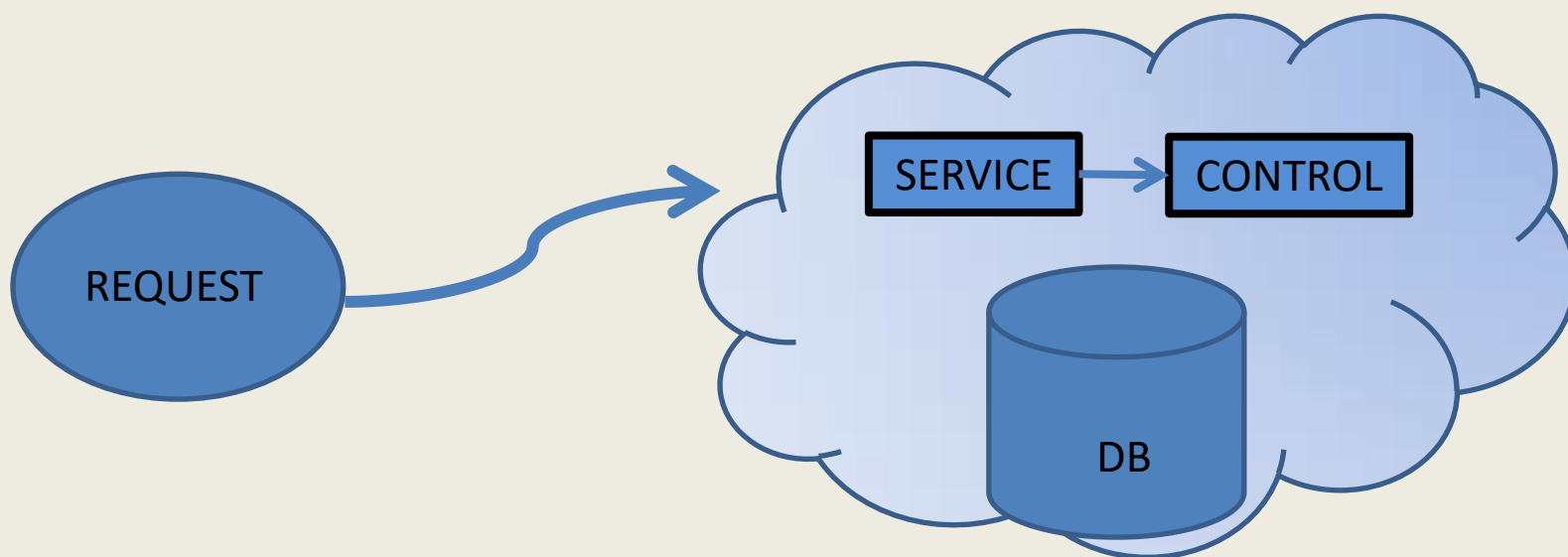
– Iteration 2:进阶功能-借书，加书






- 实现

- Iteration 3:构建微服务



- Github Repo & Git WorkFlow


✕ Clear current search query, filters, and sorts

☐  0 Open


☒ 3 Closed

Author ▼


Label

☐  **fix a build bug**

#3 by FanWT was merged 1 hour ago

☐  **add libs for json**

#2 by FanWT was merged 1 hour ago

☐  **Fwt dev**

#1 by FanWT was merged 6 hours ago

### Default branch

**master** Updated 1 hour ago by lemonChar




Default

### Your branches

**fwt-dev** Updated 1 hour ago by FanWT

3 | 0

- CI / CD with Jenkins

All +				
S	W	Name ↓	Last Success	Last Failure
		<a href="#">service1</a>	1 hr 6 min - <a href="#">#5</a>	1 hr 6 min - <a href="#">#4</a>
		<a href="#">service2</a>	5 min 11 sec - <a href="#">#1</a>	N/A

Icon: [S](#) [M](#) [L](#)

- Load Balance with K8s
  - 每个instance都维持较低的CPU使用率/内存占用

节点					
名称 ▾	标签	已就绪	CPU 请求值 (核)	CPU 限制值 (核)	内存请求值 (字节)
✓ instance-0-4	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 kubernetes.io/hostname: instance-0-4 kubernetes.io/os: linux	True	0.02 (0.50%)	0 (0.00%)	0 (0.00%)
✓ instance-0-3	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 kubernetes.io/hostname: instance-0-3 kubernetes.io/os: linux	True	0.22 (5.50%)	0.6 (15.00%)	200 Mi (2.51%)
✓ instance-0-2	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 kubernetes.io/hostname: instance-0-2 kubernetes.io/os: linux	True	0.224 (5.60%)	0.204 (5.10%)	138 Mi (1.73%)
✓ instance-0-1	beta.kubernetes.io/arch: amd64 beta.kubernetes.io/os: linux kubernetes.io/arch: amd64 kubernetes.io/hostname: instance-0-1 kubernetes.io/os: linux	True	0.77 (19.25%)	0 (0.00%)	140 Mi (1.75%)
显示全部					

- Monitor with Prometheus and Grafana

kubernetes-cadvisor (4/4 up) [show less](#)

Endpoint	State	Labels
<a href="https://kubernetes.default.svc:443/api/v1/nodes/instance-0-1/proxy/metrics/cadvisor">https://kubernetes.default.svc:443/api/v1/nodes/instance-0-1/proxy/metrics/cadvisor</a>	UP	<a href="#">beta_kubernetes_io_arch="amd64"</a> <a href="#">beta_kubernetes_io_instance="instance-0-1"</a> <a href="#">kubernetes_io_arch="amd64"</a> <a href="#">kubernetes_io_instance="instance-0-1"</a> <a href="#">kubernetes_io_os="linux"</a> <a href="#">node_role="control-plane"</a>
<a href="https://kubernetes.default.svc:443/api/v1/nodes/instance-0-2/proxy/metrics/cadvisor">https://kubernetes.default.svc:443/api/v1/nodes/instance-0-2/proxy/metrics/cadvisor</a>	UP	<a href="#">beta_kubernetes_io_arch="amd64"</a> <a href="#">beta_kubernetes_io_instance="instance-0-2"</a> <a href="#">kubernetes_io_arch="amd64"</a> <a href="#">kubernetes_io_instance="instance-0-2"</a> <a href="#">kubernetes_io_os="linux"</a>
<a href="https://kubernetes.default.svc:443/api/v1/nodes/instance-0-3/proxy/metrics/cadvisor">https://kubernetes.default.svc:443/api/v1/nodes/instance-0-3/proxy/metrics/cadvisor</a>	UP	<a href="#">beta_kubernetes_io_arch="amd64"</a> <a href="#">beta_kubernetes_io_instance="instance-0-3"</a> <a href="#">kubernetes_io_arch="amd64"</a> <a href="#">kubernetes_io_instance="instance-0-3"</a> <a href="#">kubernetes_io_os="linux"</a>
<a href="https://kubernetes.default.svc:443/api/v1/nodes/instance-0-4/proxy/metrics/cadvisor">https://kubernetes.default.svc:443/api/v1/nodes/instance-0-4/proxy/metrics/cadvisor</a>	UP	<a href="#">beta_kubernetes_io_arch="amd64"</a> <a href="#">beta_kubernetes_io_instance="instance-0-4"</a> <a href="#">kubernetes_io_arch="amd64"</a> <a href="#">kubernetes_io_instance="instance-0-4"</a> <a href="#">kubernetes_io_os="linux"</a>

- Monitor with Prometheus and Grafana

