

MAXSCALE

朴昌俊

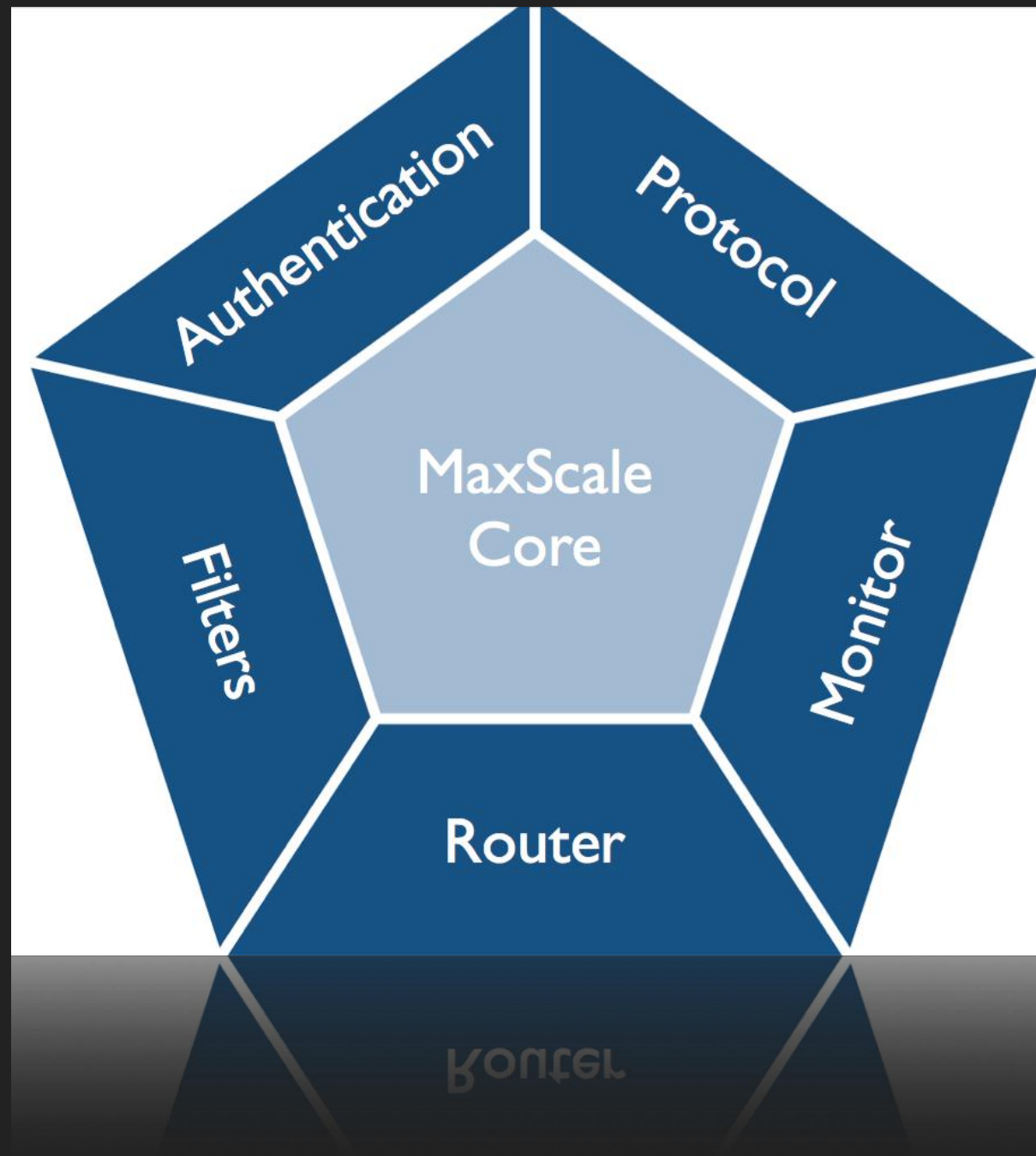
CONTENTS

- ▶ What's MaxScale?
- ▶ MaxScale's Internals
- ▶ MaxScale Failover
- ▶ Data archiving with Mqfilter and Tee filters
- ▶ MaxScale Binlog Server
- ▶ MaxScale HA
- ▶ MaxScale Limits

MAXSCALE

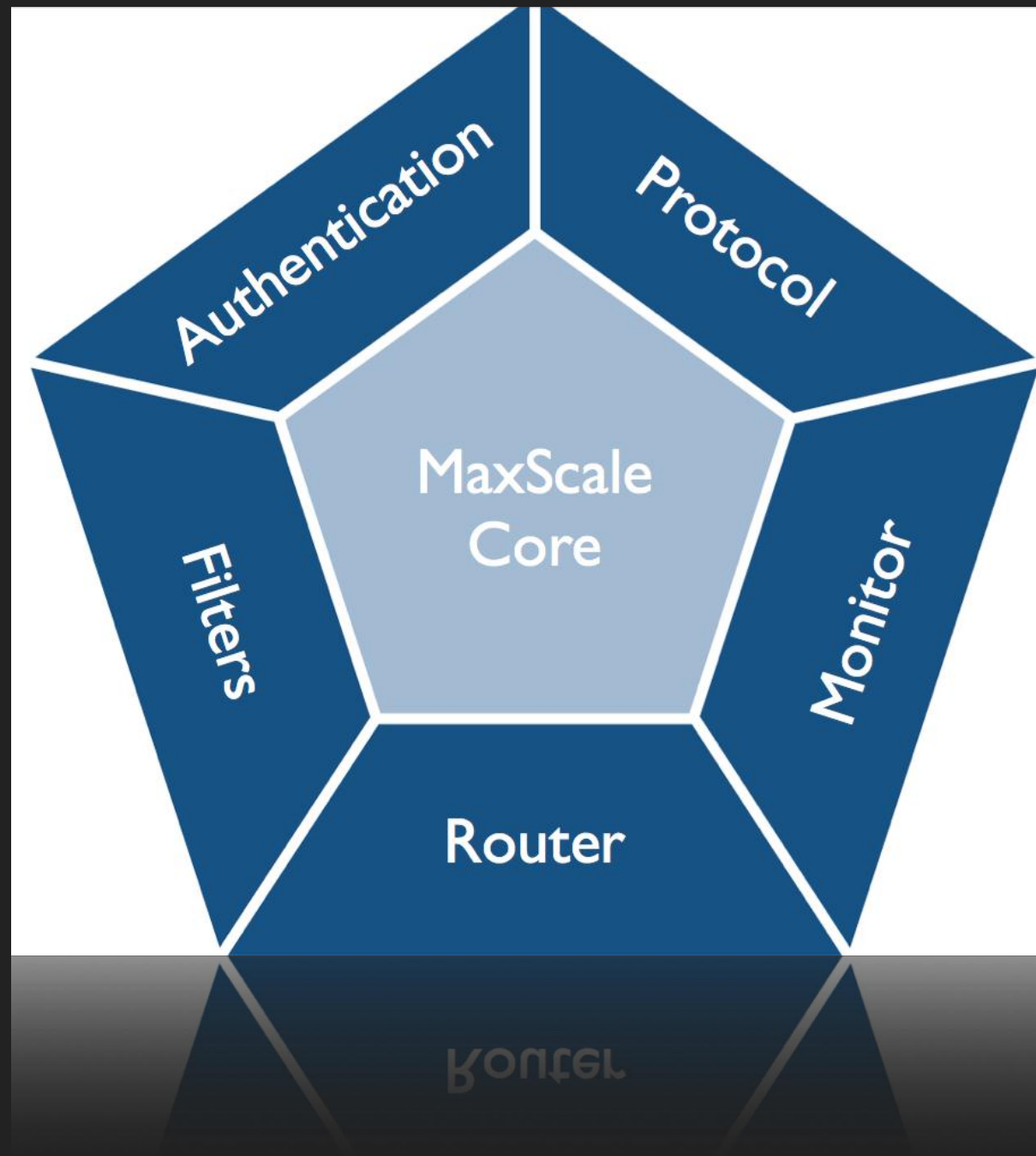
WHAT'S MAXSCALE

MAXSCALE' S INTERNALS



AUTHENTICATION

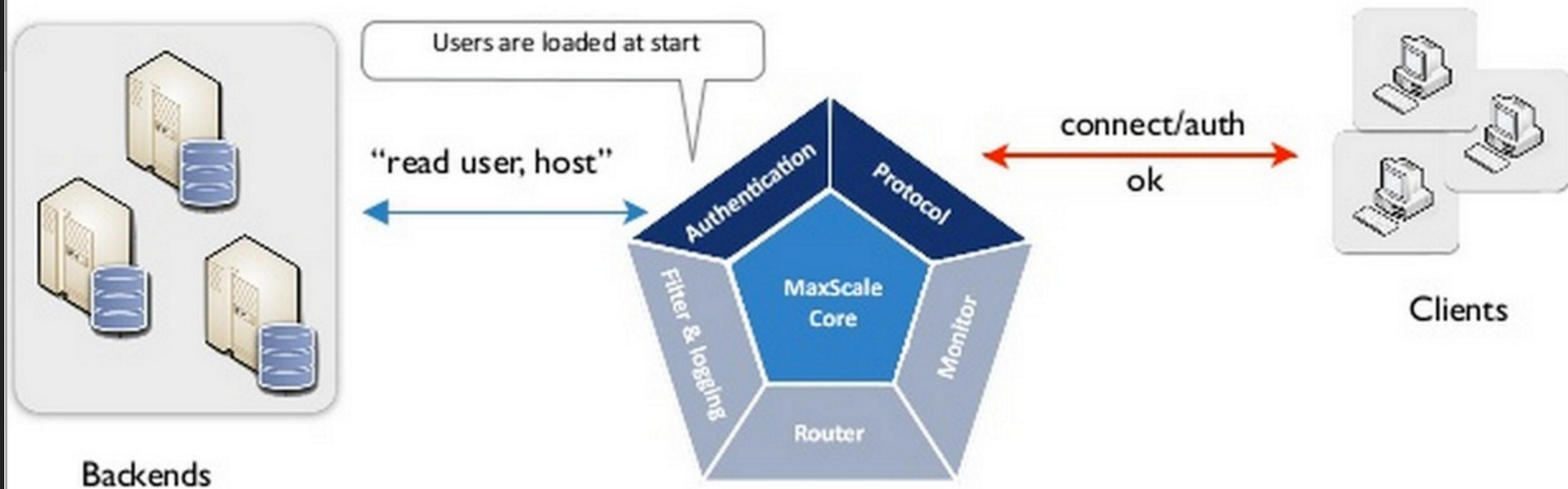
MAXSCALE' S INTERNALS



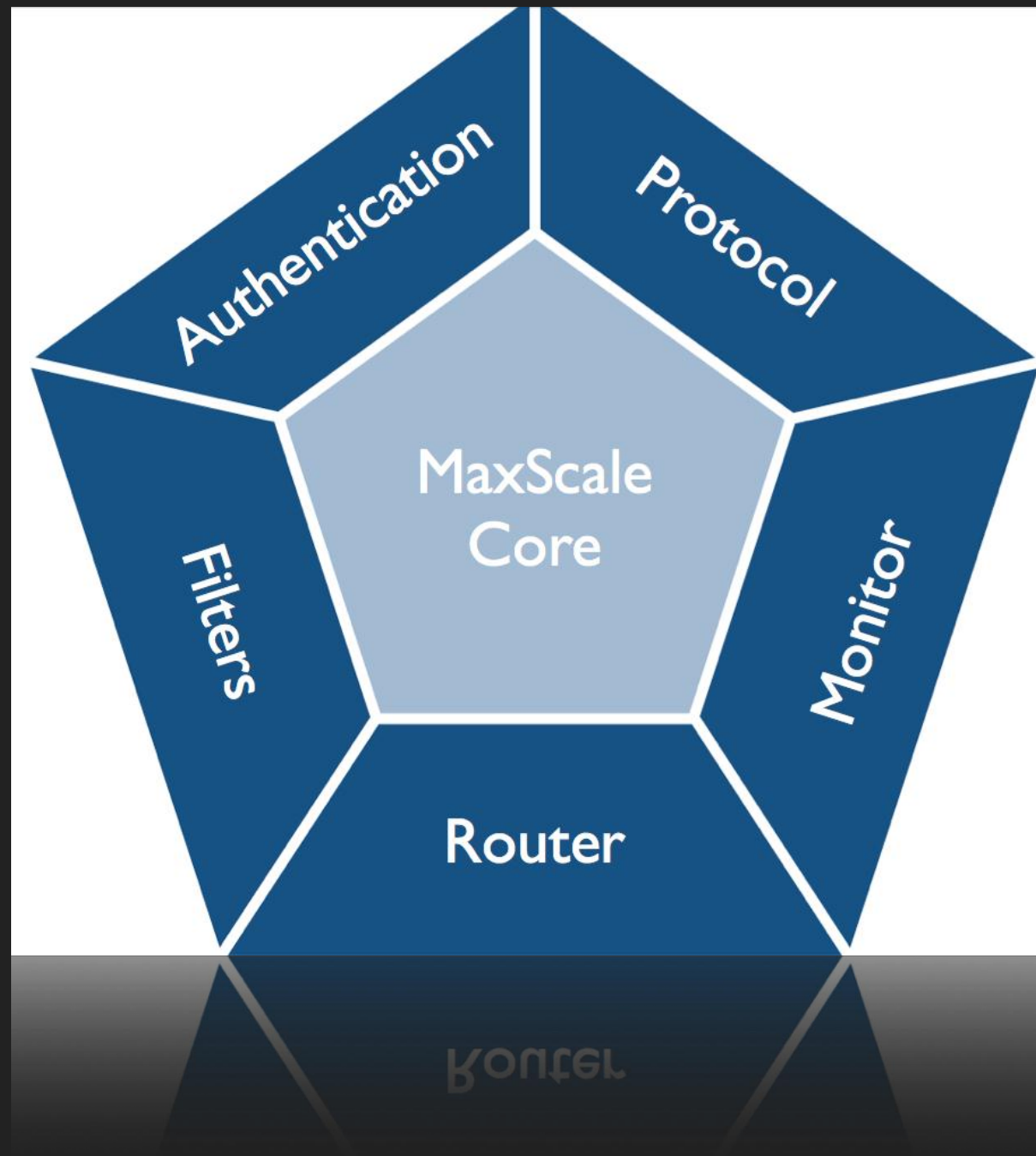
PROTOCOL



Inside MaxScale MySQL Local Authentication

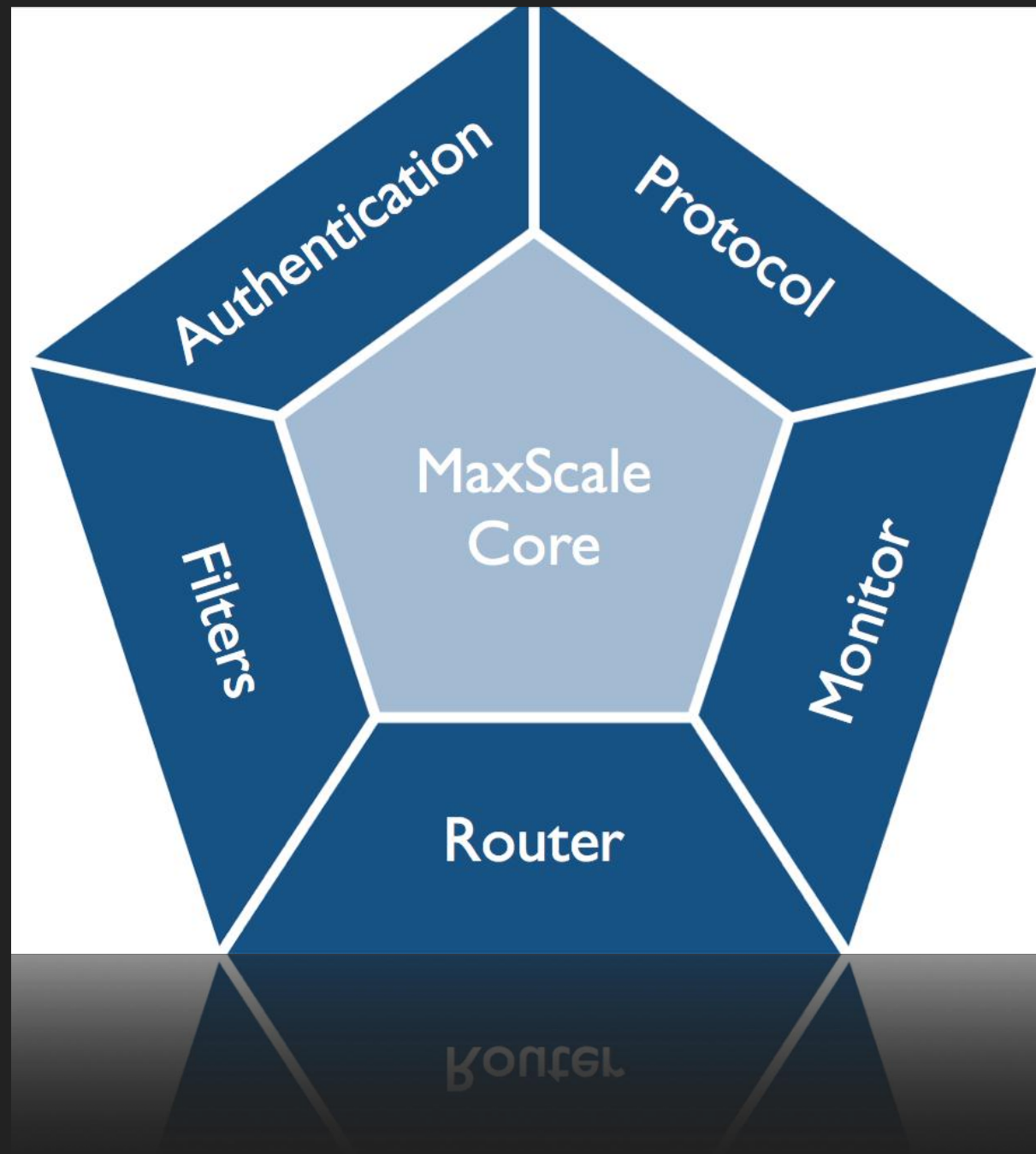


MAXSCALE' S INTERNALS



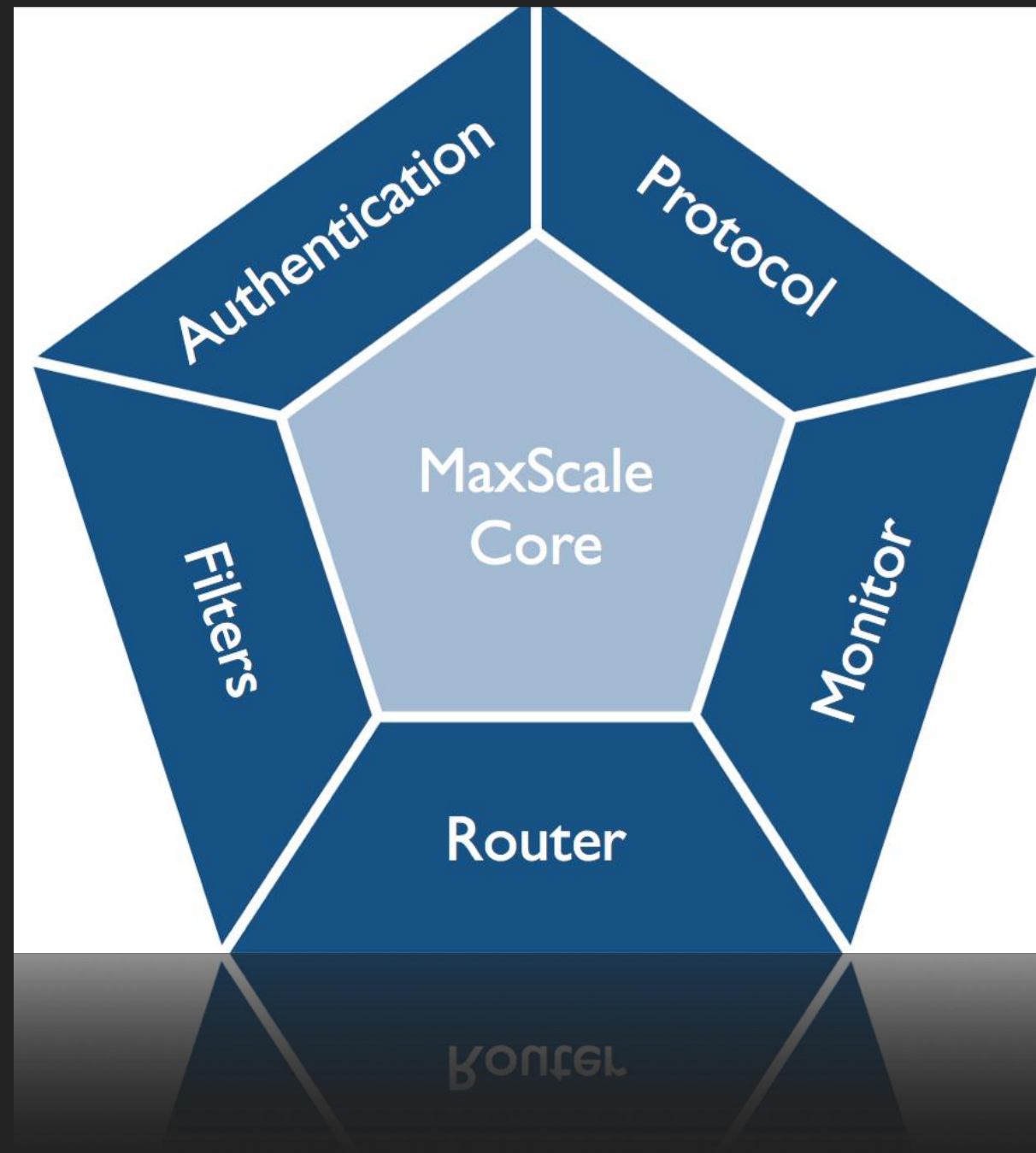
MONITOR

MAXSCALE' S INTERNALS



ROUTER

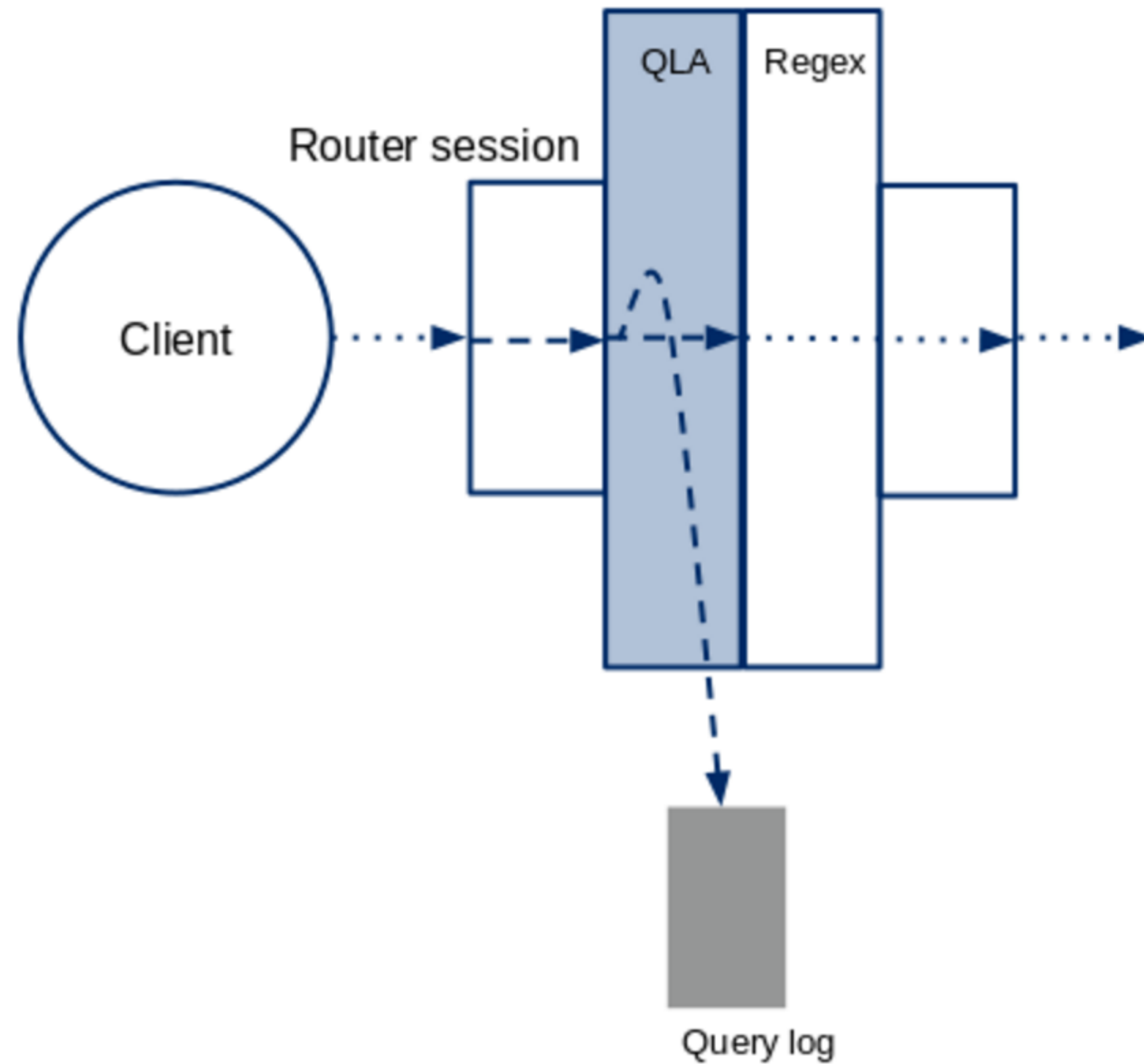
MAXSCALE' S INTERNALS



FILTERS

FILTERS

Filter Modules

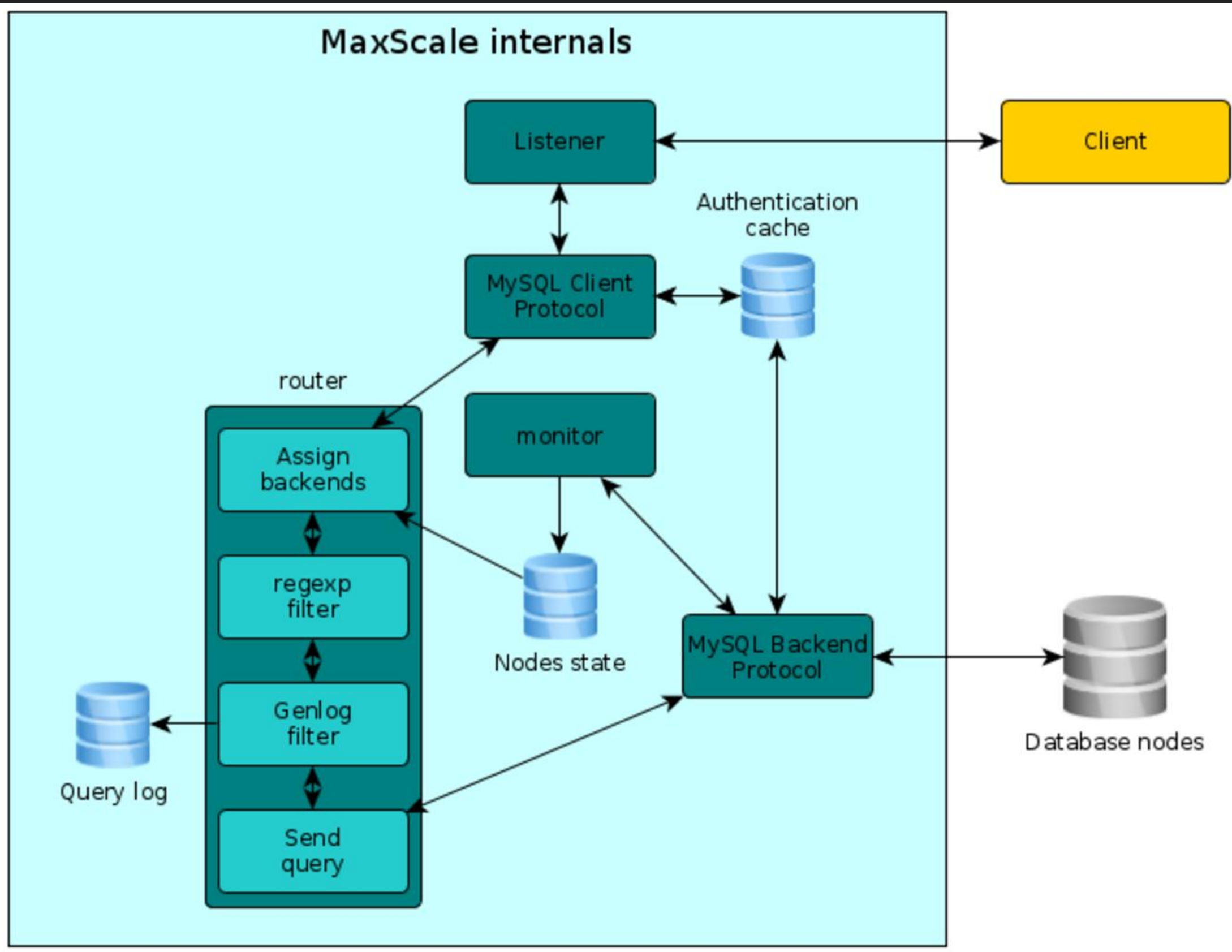


FILTER -QLA (MODULE)

```
[MyLogFilter]  
type=filter  
module=qlafilter
```

```
[MyService]  
type=service  
router=readconnrouter  
servers=server1  
user=myuser  
passwd=mypasswd  
filters=MyLogFilter
```

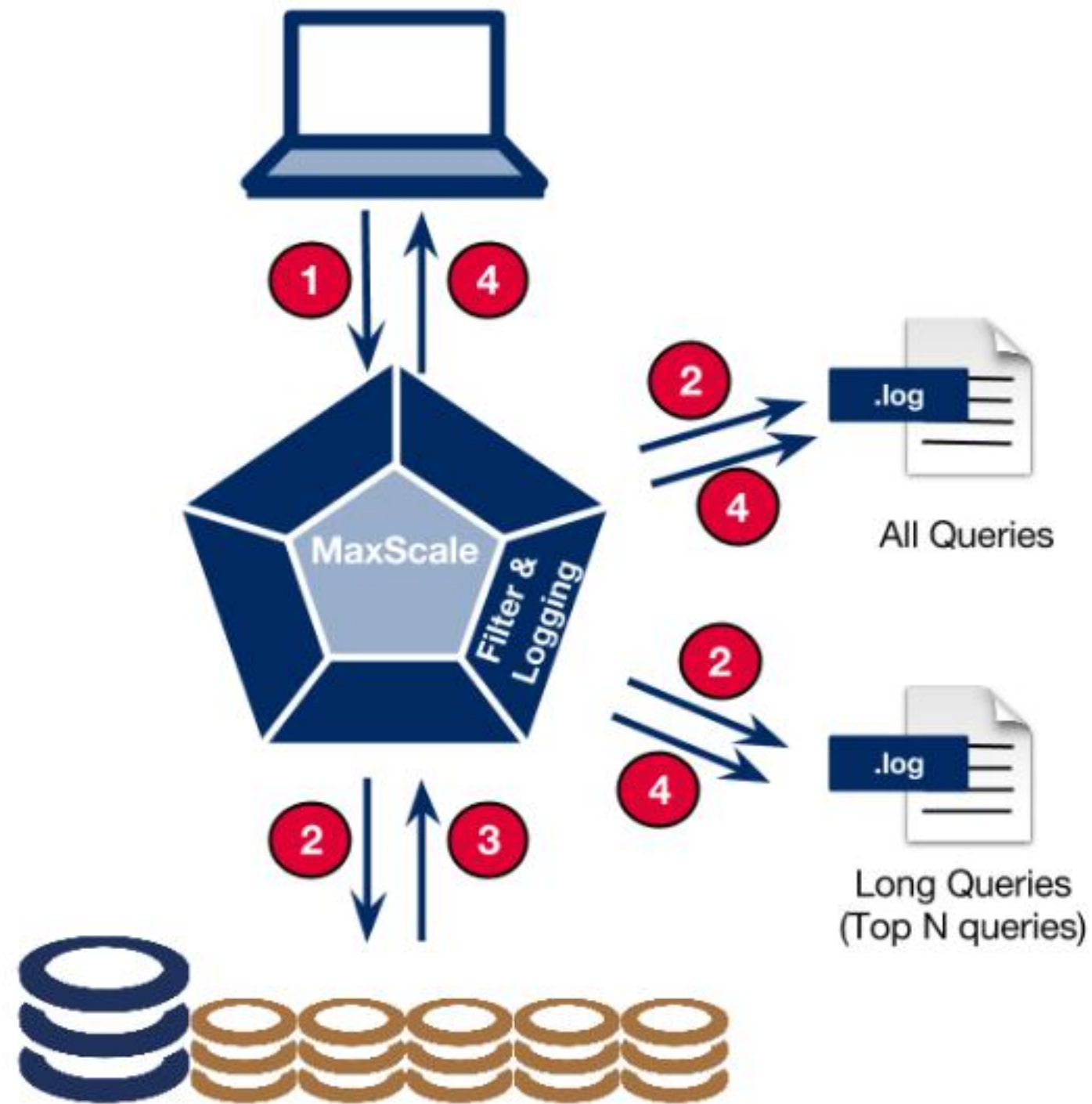
MAXSCALE' S INTERNALS



FILTER (MODULE)

- ▶ Query Log All (QLA) Filter
- ▶ Regular Expression Filter
- ▶ Tee Filter
- ▶ Top Filter
- ▶ Database Firewall Filter
- ▶ Query Redirection Filter
- ▶ RabbitMQ Filter

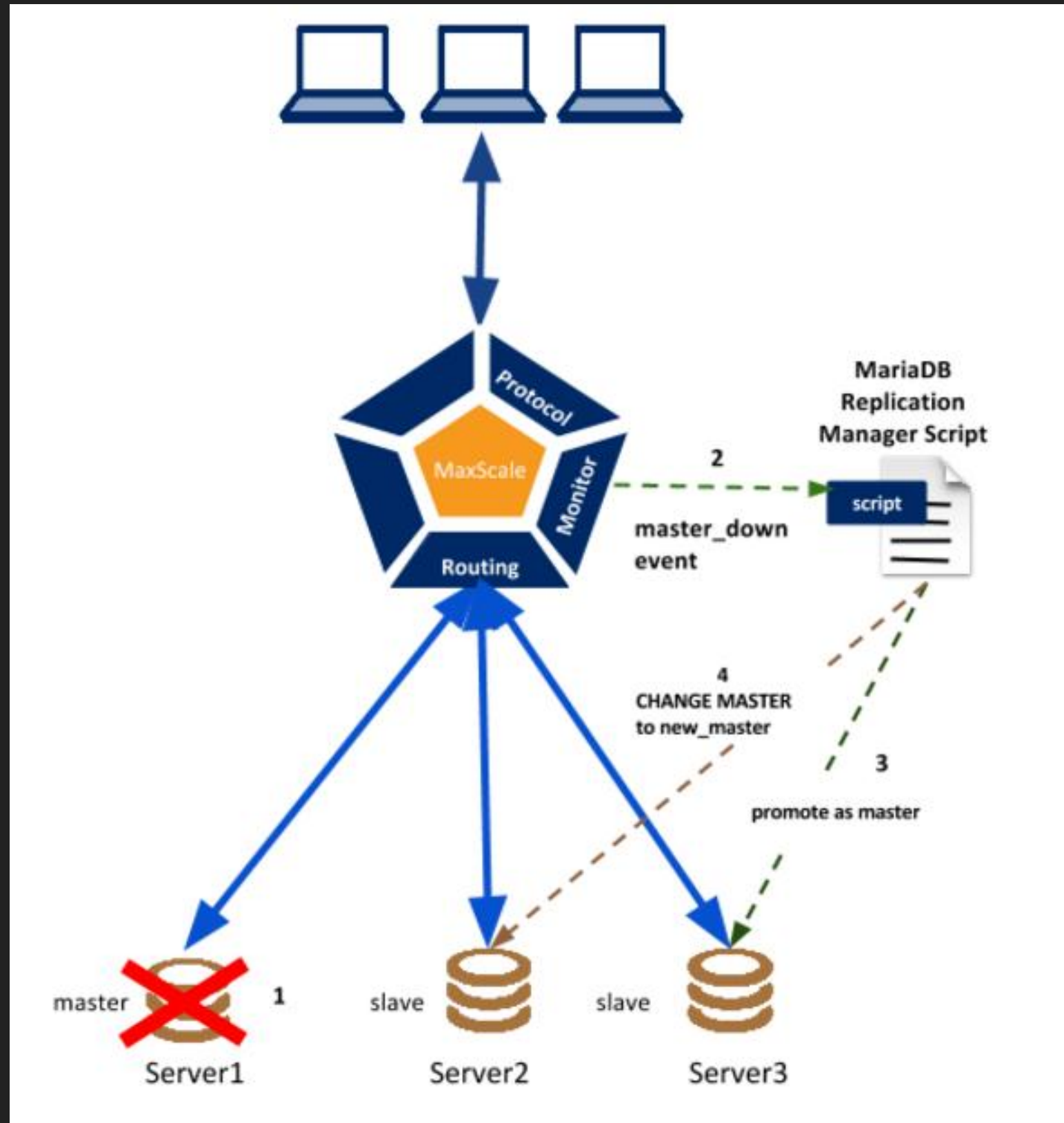
FILTER -QLA/TOPN (MODULE)



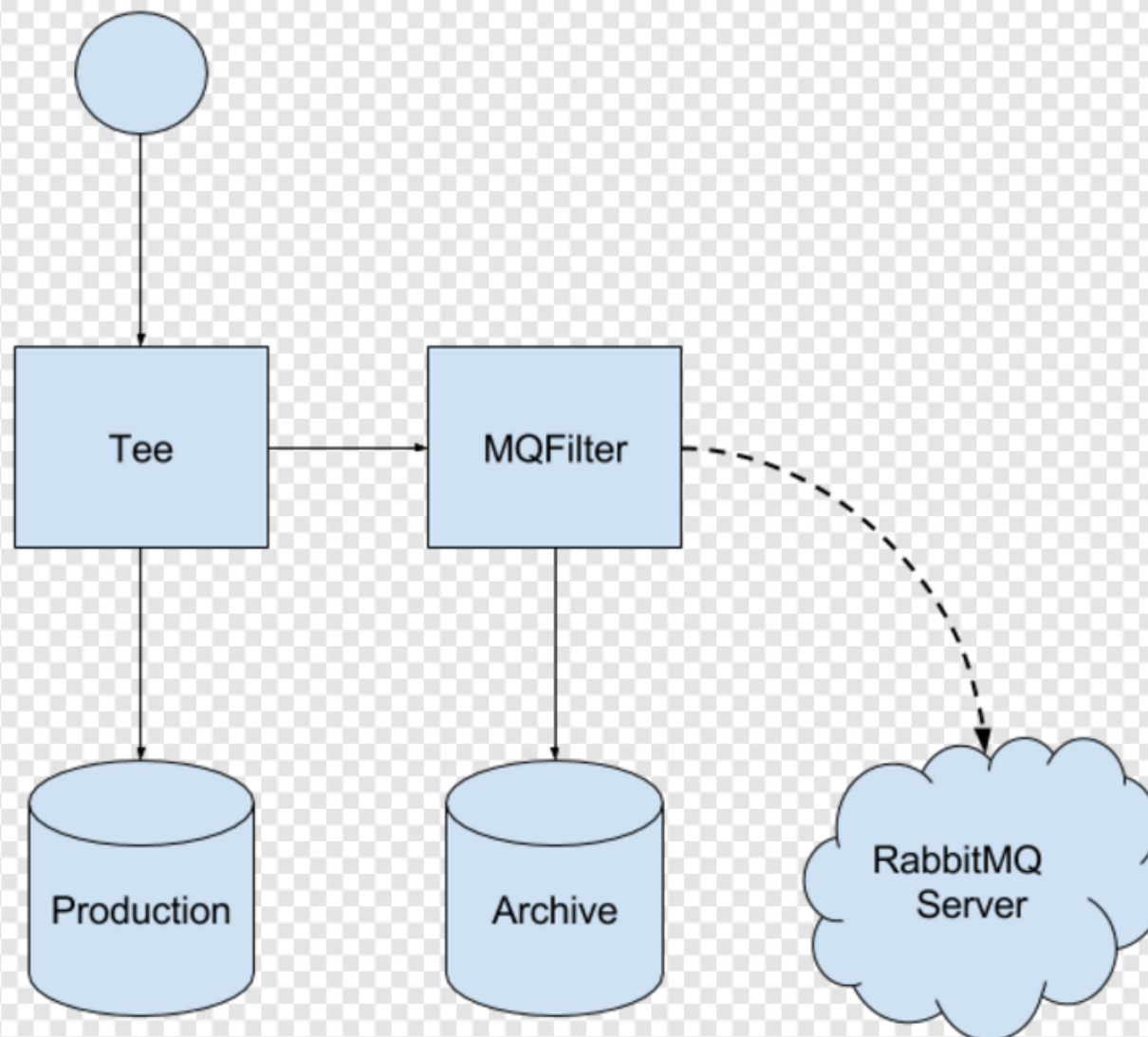
- ▶ MaxScale failover —Master/slave
-

Failover Script

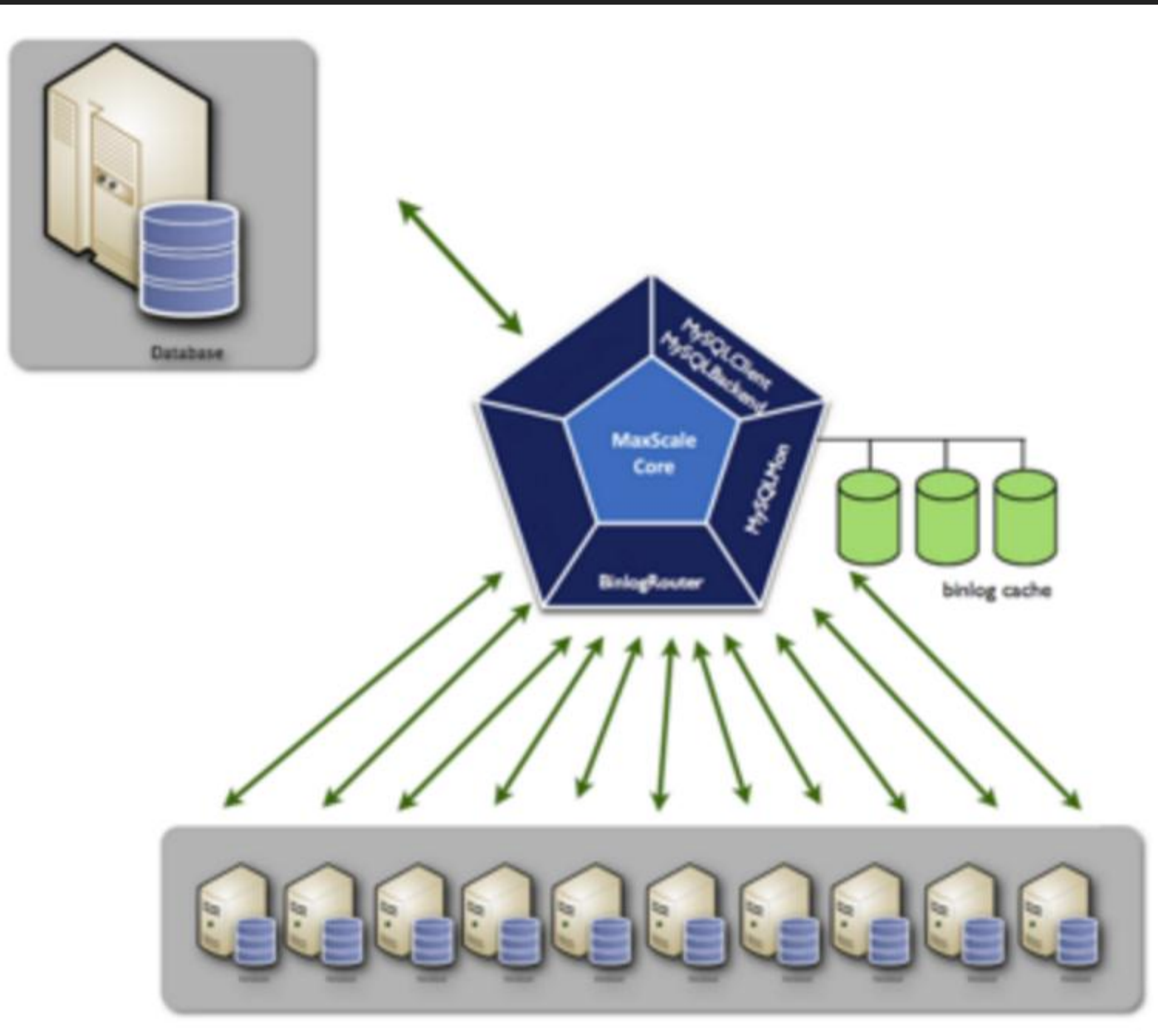
MAXSCALE HA — FAILOVER



DATA ARCHIVING WITH MQFILTER AND TEE FILTERS



MAXSCALE BINLOG SERVER



- ▶ MaxScale-HA-with-lsyncd
- ▶ MaxScale-HA-with-Corosync-Pacemaker

MAXSCALE LIMITS

1. 权限认证
2. 在线无法支持所有reload config
3. 连接数问题，不能连接复用
4. 组件太多，导致维护成本高
5. 官网自己提的限制：

<https://mariadb.com/kb/en/mariadb-enterprise/mariadb-maxscale/limitations-and-known-issues-within-maxscale/>

MAXSCALE

Q/A

MAXSCALE LIMITS

Thank You