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Condor High Availability

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SCHEDD

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Forecast

Forecast

- Master-based high-availability
- High availability via Cluster Suite
- Live demo: configuring Cluster Suite

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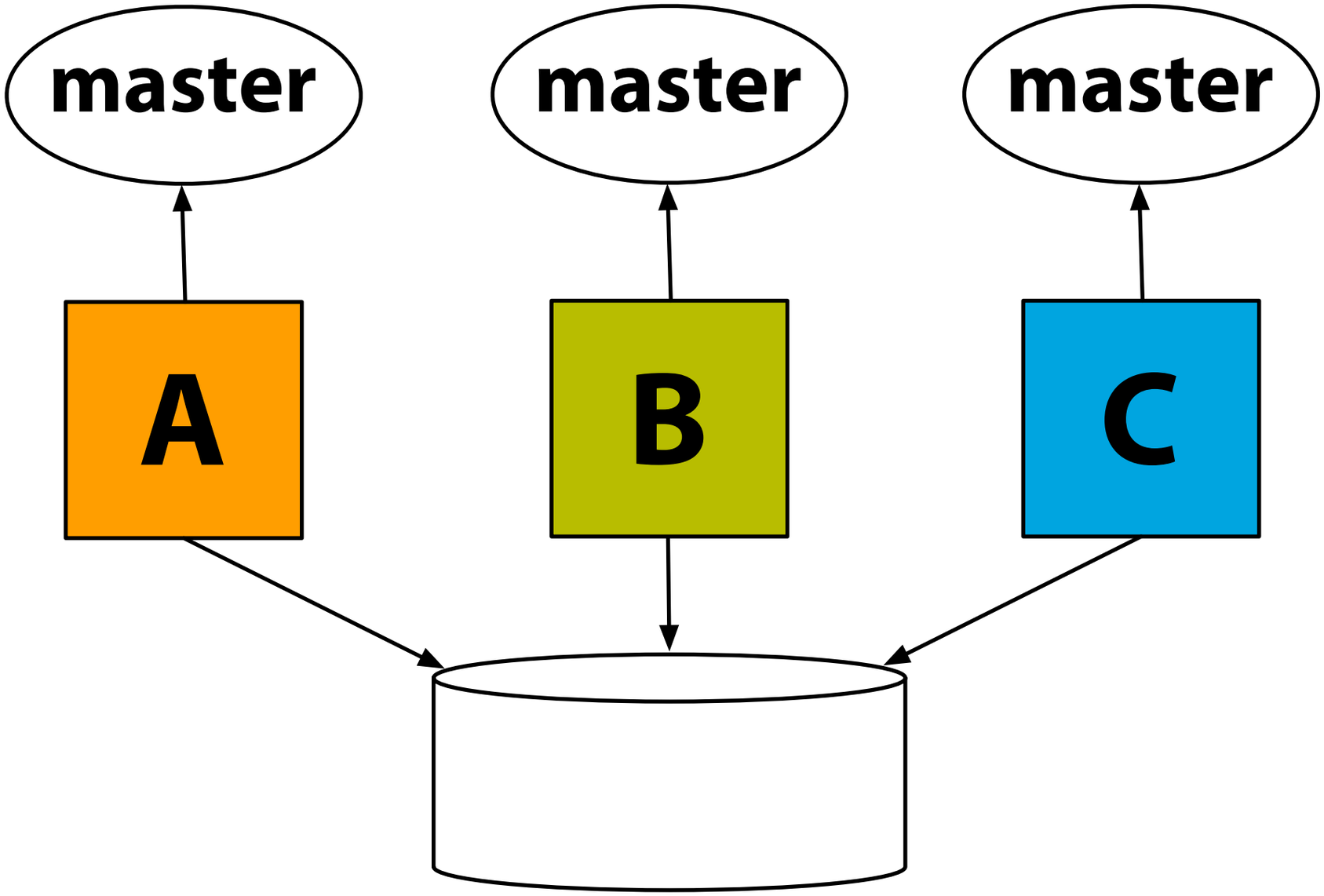
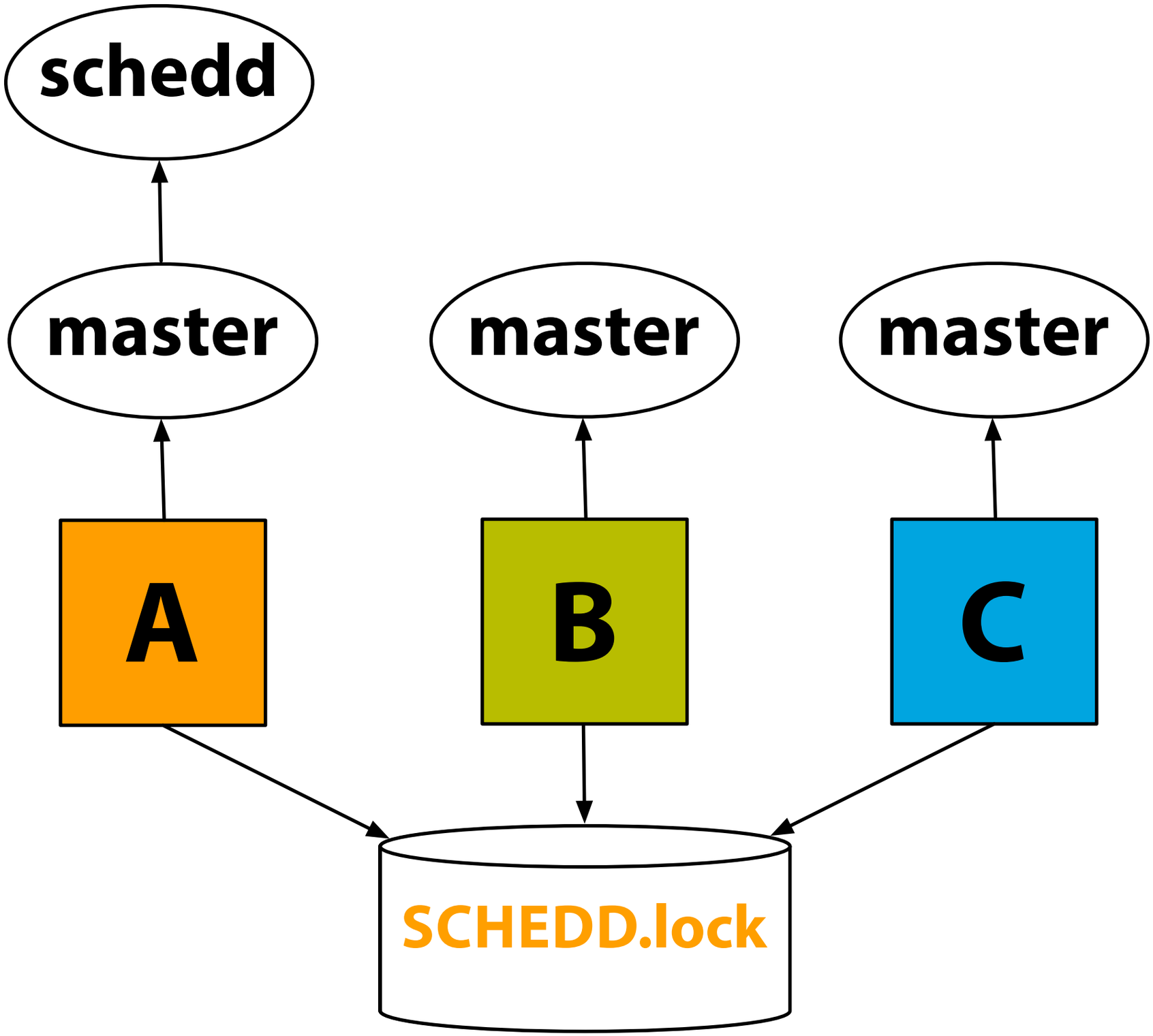
Master-based high-availability


master
master
master
A
B
C


schedd
master
master
master
A
B
C
SCHEDD.lock

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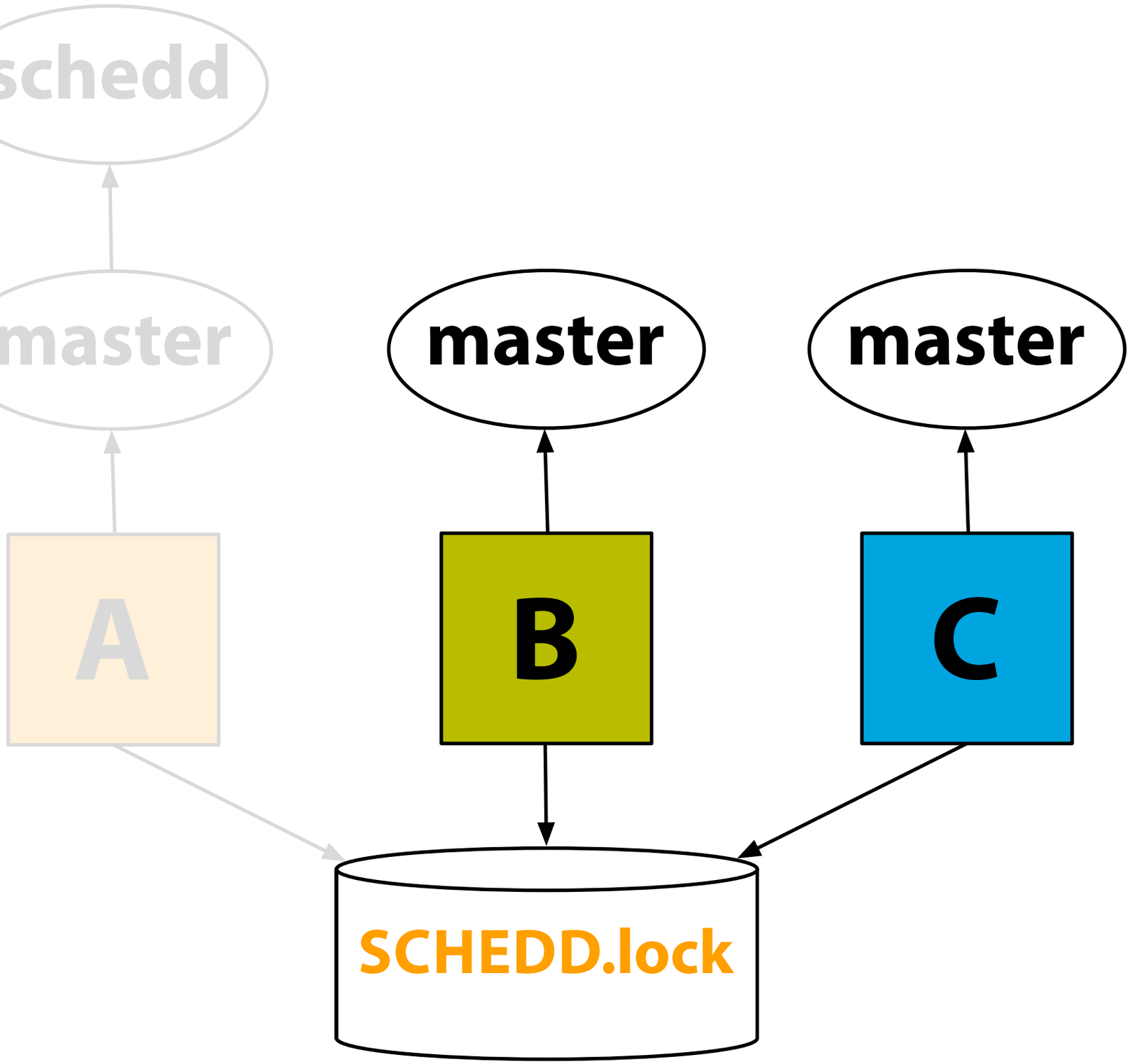

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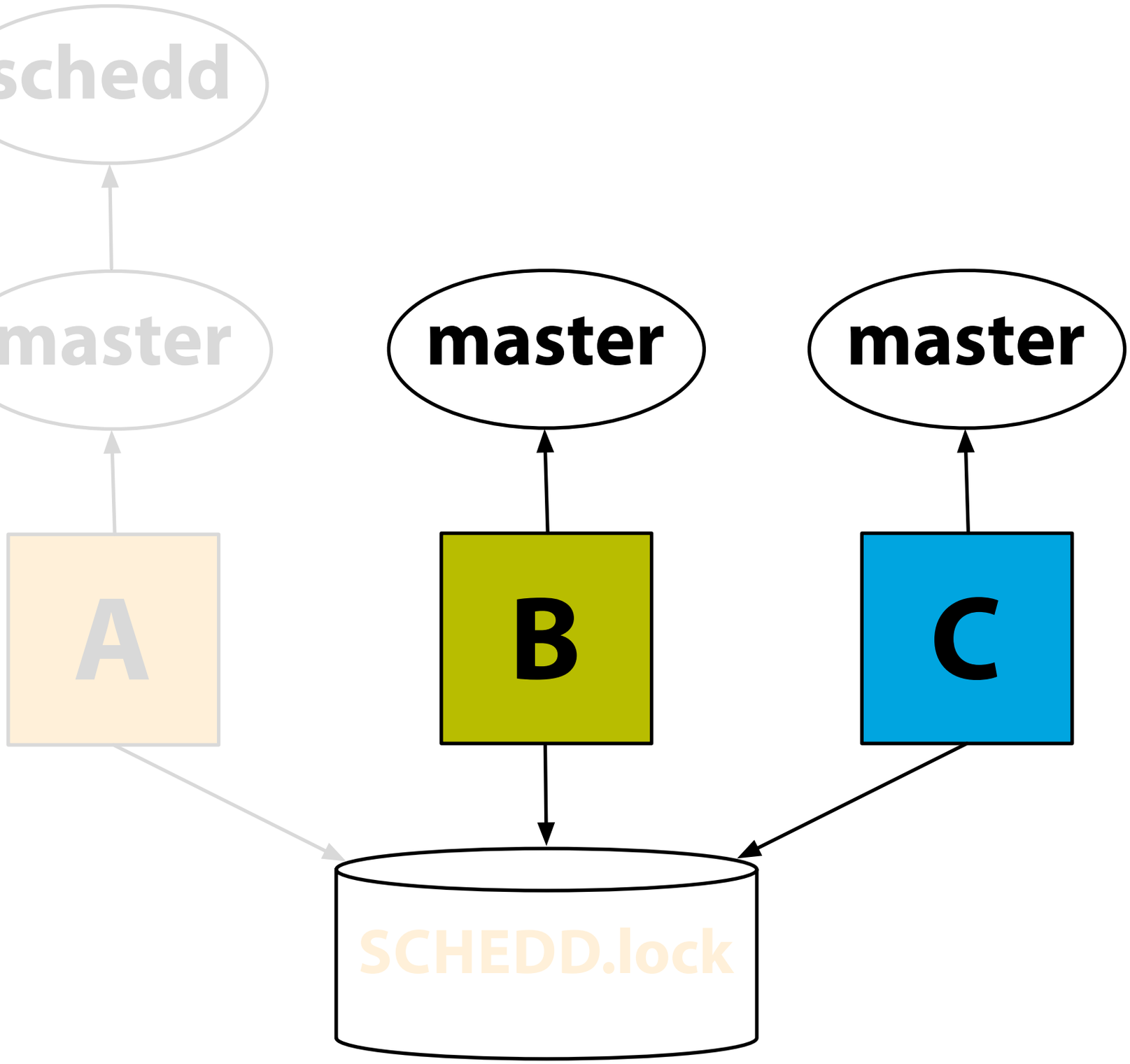

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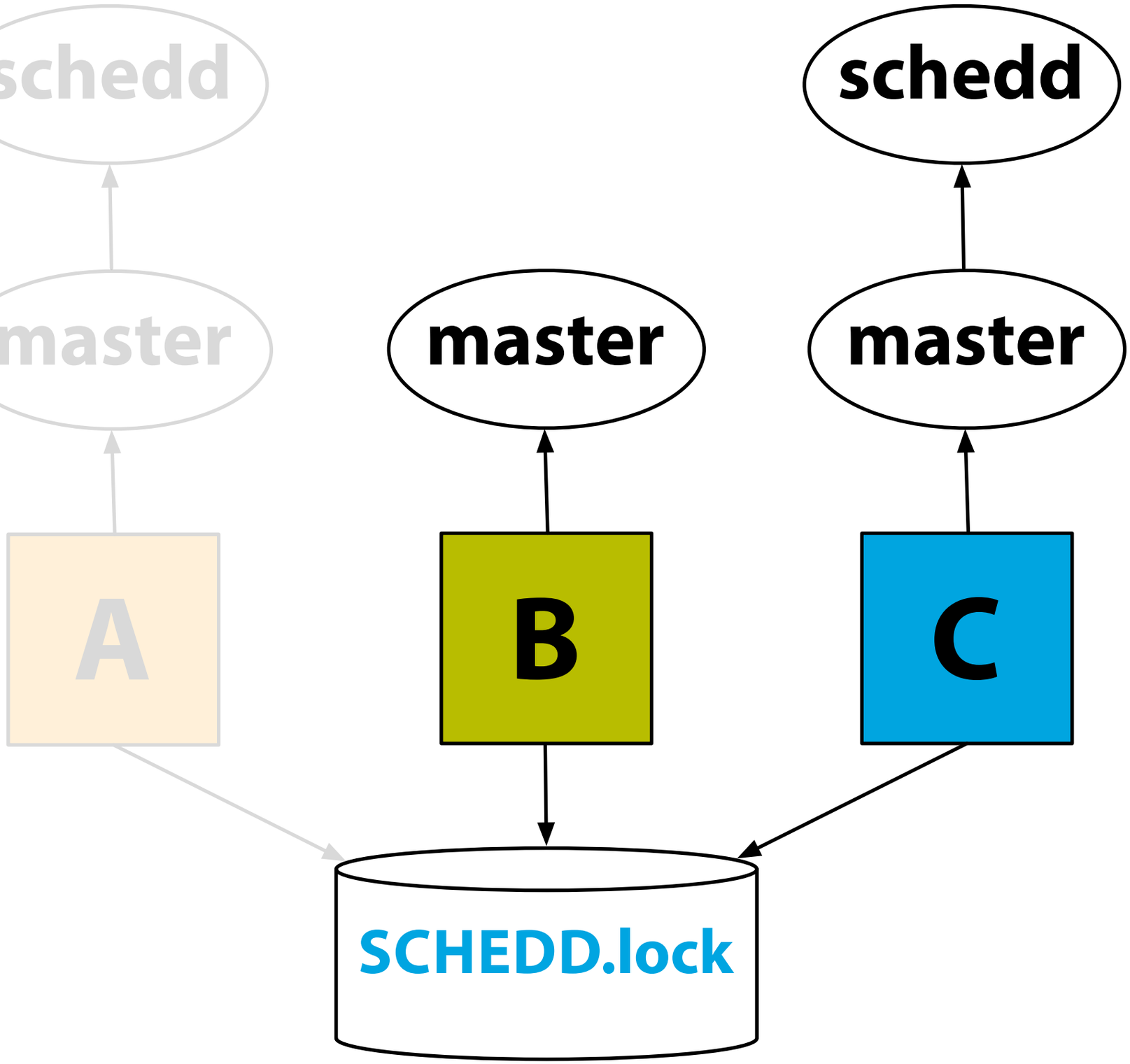

Configuring high-availability

```
# add this to A, B, and C
MASTER_HA_LIST = SCHEDD
# must be on a shared FS
SPOOL = /share/spool
HA_LOCK_URL = file:/share/spool
# prevent preen from removing the lockfile
VALID_SPOOL_FILES = SCHEDD.lock
```

Configuring high-availability

```
$ for host in A B C; do
    wallaby add-features-to-node $host \
      HAScheduler
    wallaby add-params-to-node $host \
      SPOOL=/share/spool
  done
$ wallaby activate
```

Master-based HA: advantages

- Minimal, configurable downtime in the case of schedd node failure
- You don’t have to install anything
- It’s easy to configure

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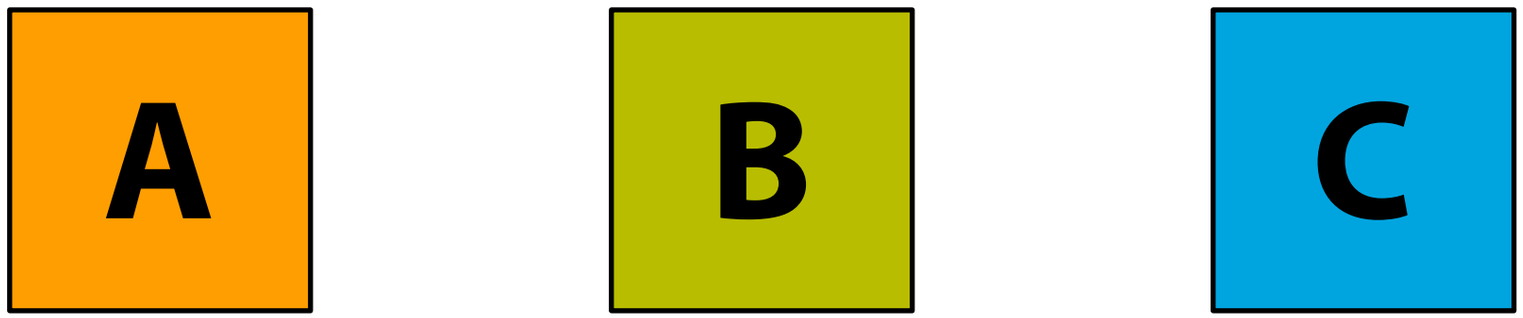
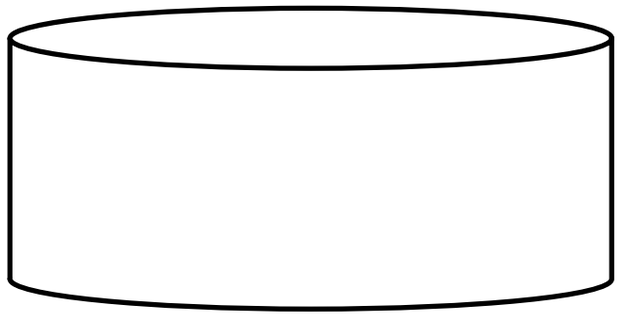
High-availability through Cluster Suite

About Cluster Suite

- High-availability technology, distributed as open source and in Red Hat products
- Supports clustering and fencing
- Groups services into logical dependence-based hierarchies


A
B
C



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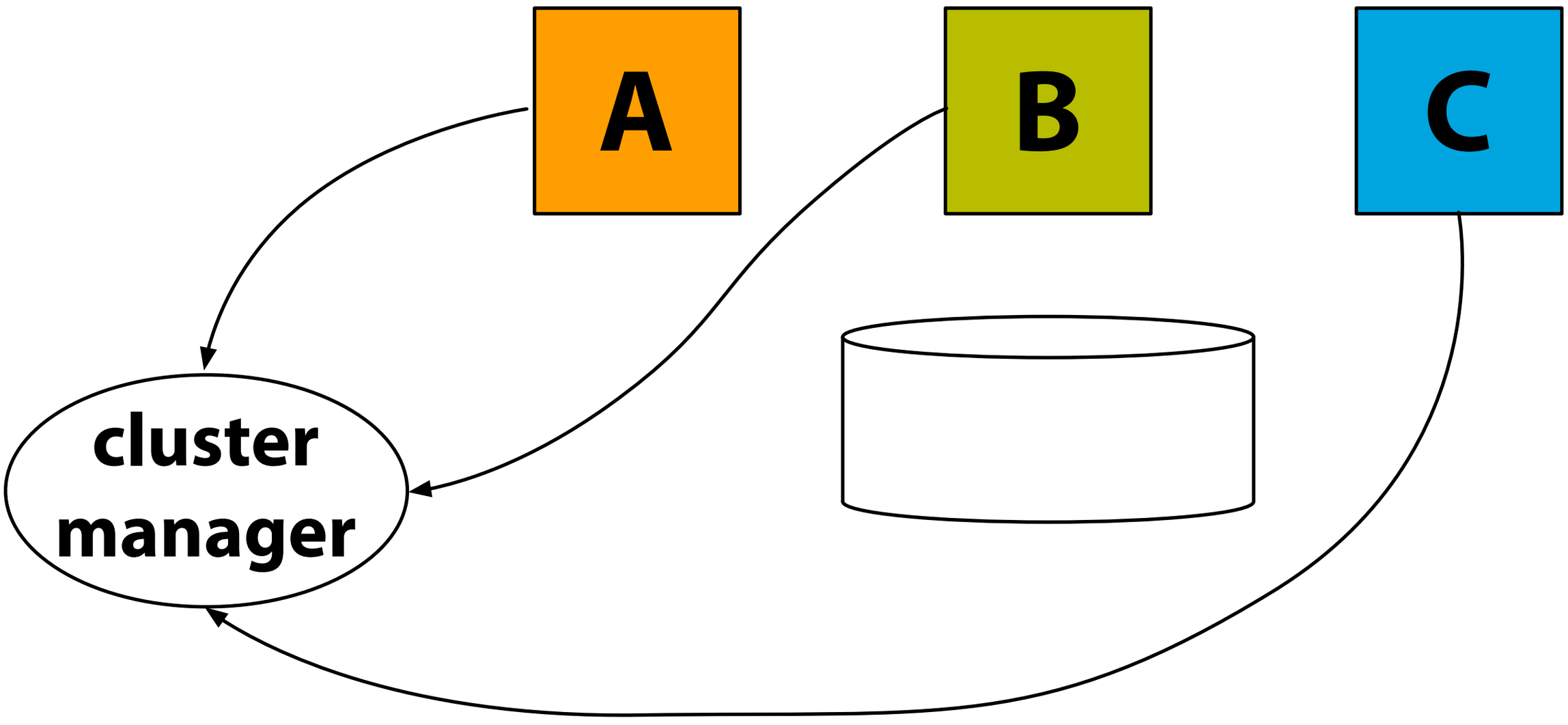

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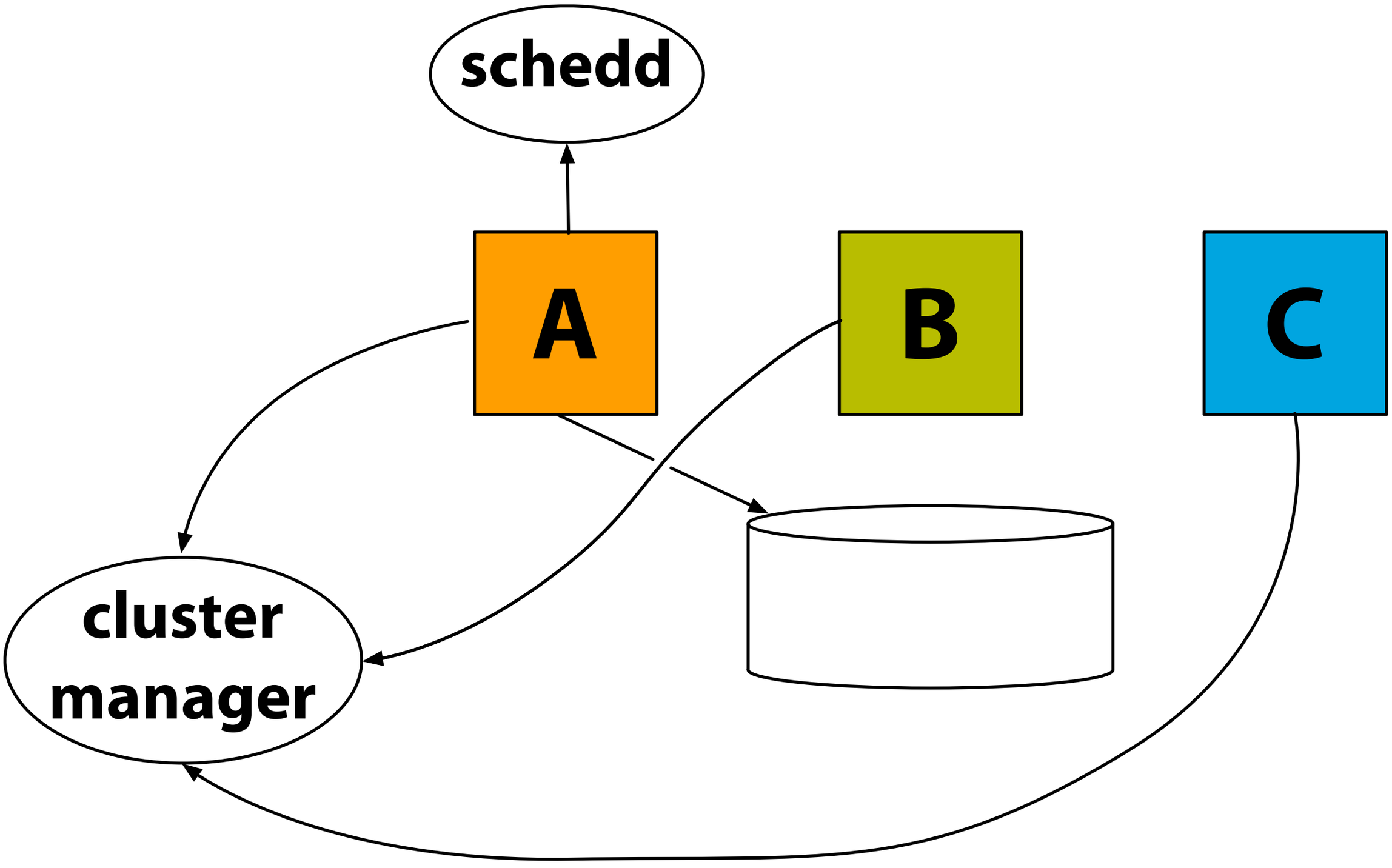

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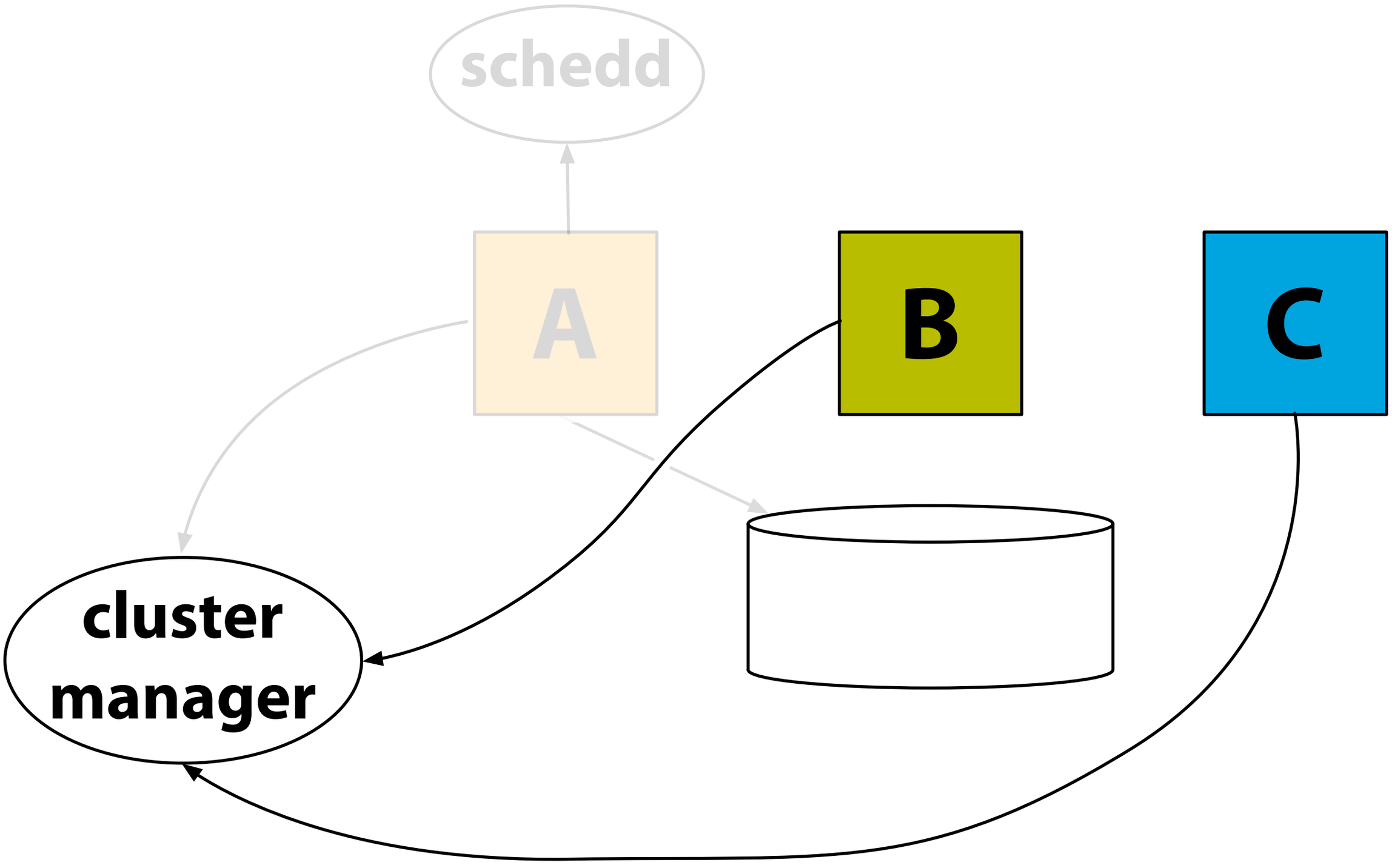

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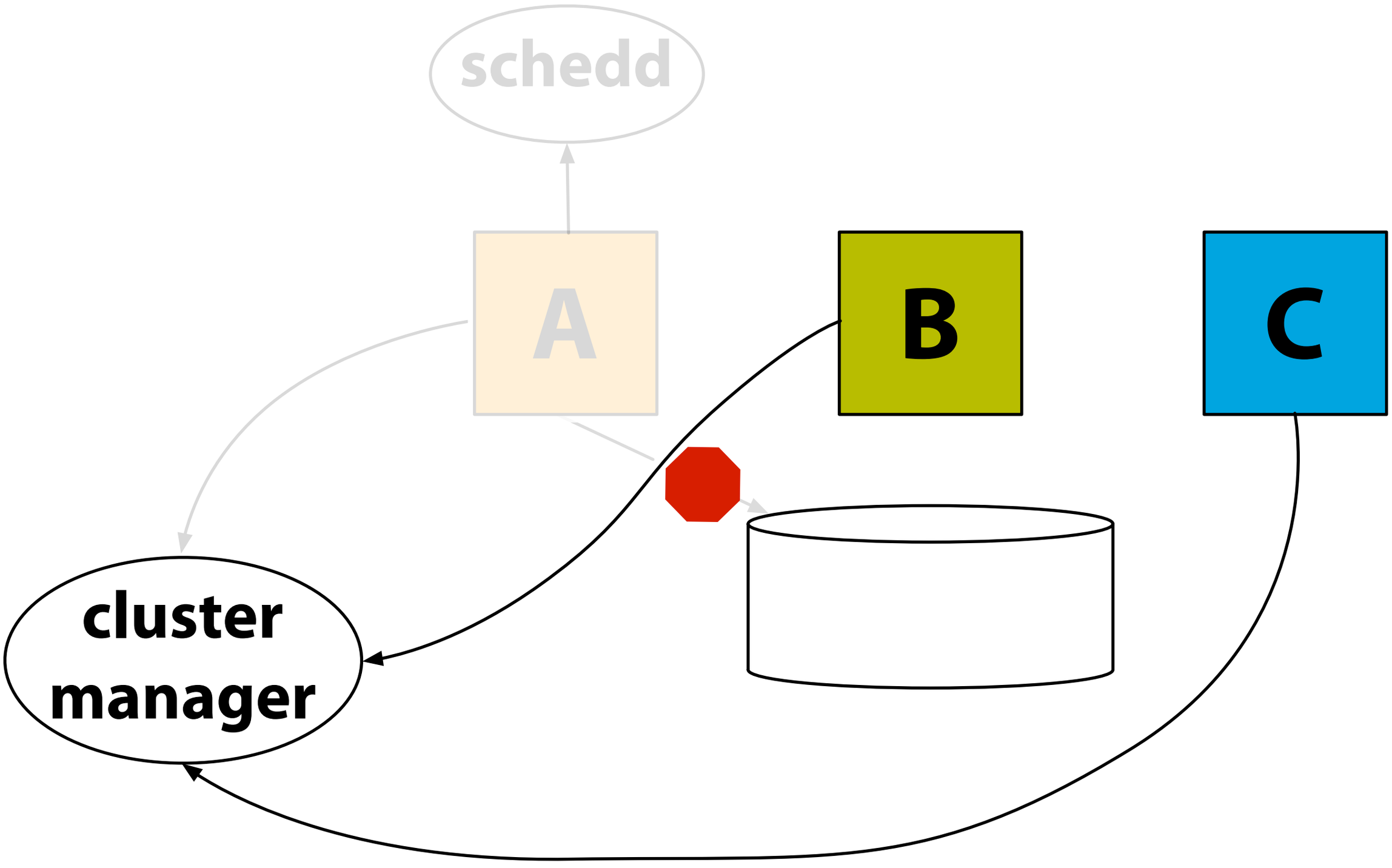

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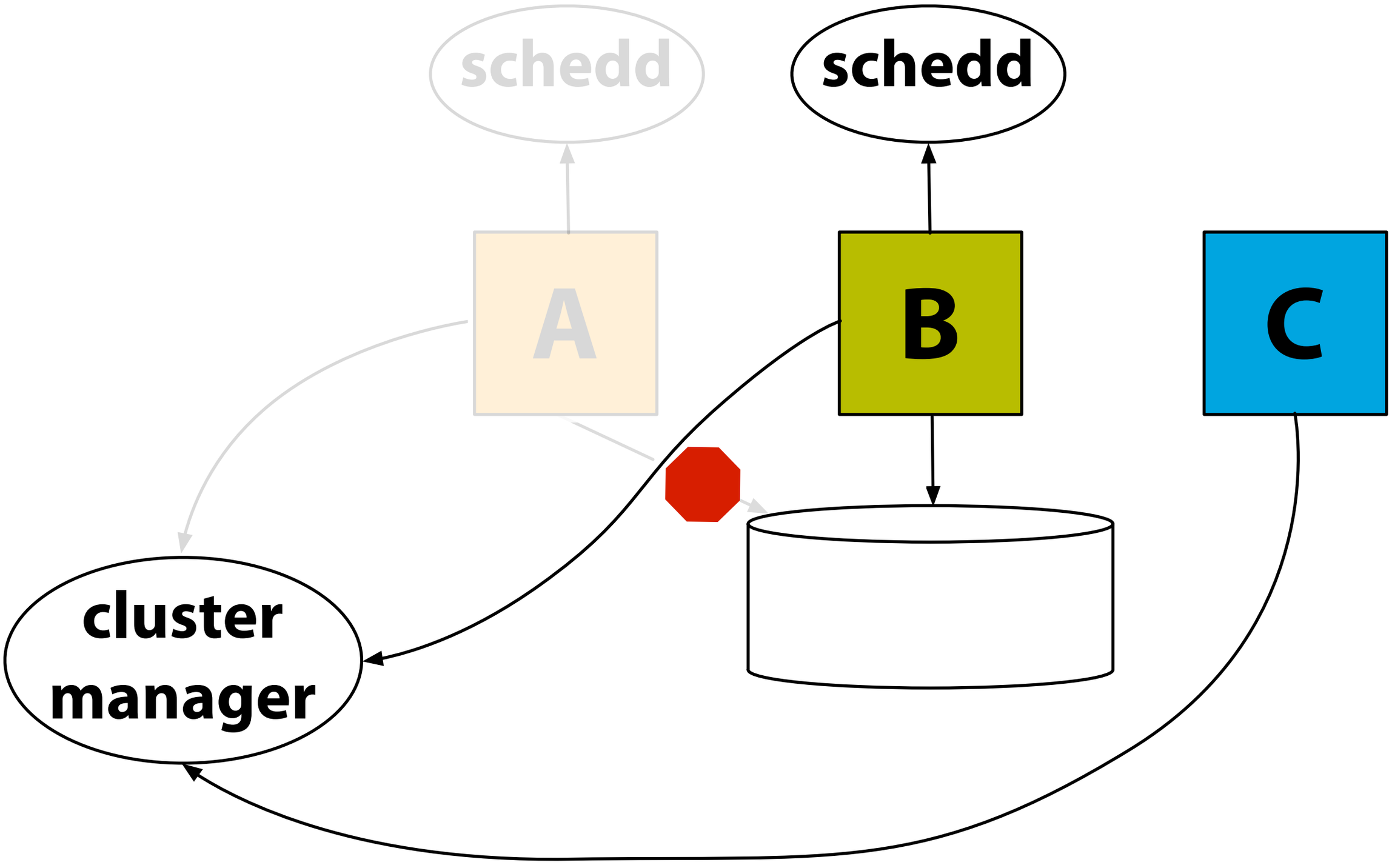

Nodes | Fence Devices | Failover Domains | Resources | Service Groups | Configure

Add | Start | Restart | Disable | Delete

!	Name	Status	Autostart	Failover Domain
☐	HA Schedd schedd1	Running on ip-10-28-185-201	☑	Schedd schedd1 Failover Domain
☐	HA Schedd schedd2	Running on ip-10-28-12-164	☑	Schedd schedd2 Failover Domain

HA Schedd schedd1

Status Running on ip-10-28-185-201 Start on node...

Edit service

Service Name: HA Schedd schedd1

Automatically Start This Service: ☑

Run Exclusive: ☐

Failover Domain: Schedd schedd1 Failover Domain

Recovery Policy: Relocate

Restart Options

Maximum Number of Restart Failures Before Relocating

Length of Time in Seconds After Which to Forget a Restart

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Live demo

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Questions?

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Thanks!

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