Deployment

Sridhar Nanjundeswaran

Engineer, 10gen

@snanjund

10gen | the MongoDB company

mongoDB

Deployment notes

- Database only supported on little endian

- Drivers work on big and little endian

- Common mistake
  - Underprovision memory and I/O
  - CPU not as important
  - Check your indexing

mongoDB

Networking

- Run in a trusted environment

- Configure the necessary firewall rules
  - iptables in linux
  - netsh on Windows

mongoDB

Storage

- On Linux
  - Use ext4 or xfs
  - Turn of atime
  - Configure appropriate readahead

- RAID-10 usually works best

- Remote file systems
  - Consider network
  - NFS not recommended

mongoDB

Windows Azure

- Cloud Service
  - Use MongoDB Worker role as the base
  - Replica sets cannot be on load balancer port
    - Deployment is internal

- Virtual Machines
  - Load balancer and internal port should be the same

mongoDB

Miscellaneous

- Setup backups
    - Test backups
    - Replication is not a substitute for backup

- Monitor
    - OS and MongoDB
    - MMS
    - Iostat

- Sharding
    - Shard before you absolutely need it

For More Information

Resource	Location
MongoDB Downloads	www.mongodb.org/download
Free Online Training	education.10gen.com
Webinars and Events	www.10gen.com/events
White Papers	www.10gen.com/white-papers
Case Studies	www.10gen.com/customers
Presentations	www.10gen.com/presentations
Documentation	docs.mongodb.org
Additional Info	info@10gen.com

Questions?

Sridhar Nanjundeswaran

Engineer, 10gen

@snanjund

10gen | the MongoDB company

mongoDB