CHALLENGES IN HOSTING MYSQL

Jun Su
FAST CRASH & RECOVERY

- Update the binary for continuous improvement
- Fail always, Failover always
- Fully automated recovery
- SLA is contract with the customers
- Quick memory dump, postmortem later
- Commodity hardware
- Virtualized environment, Hyper-V
- Scale-out, No Scale-up
- No local attached Disk (high latency)
- Expose on Internet
- DDOS, Dictionary attack

- Multi-tenancy, resource governance
- Dynamic Resource (shared resource)
- No manual work anywhere, No Repair table
- Auto-tune for different workload
- DBA v.s. No DBA
- Self Service for most operations

MANAGEABILITY