Oracle TimesTen
in-memory database integration

CERN openlab Summer Student
Lightning Talks Sessions
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Oracle TimesTen

- **In-memory SQL database**

- **One of the ways to speed up Oracle**
  - as caching layer for Oracle
  - read-only and writethrough
  - faster than fully-cached Oracle

- **Non-trivial setup**
TimesTen setup automation

- System prerequisites
  - kernel, users, security, tools, env, ..., ...

- TimesTen installation

- TimesTen and Oracle configuration

- Cache users and cache groups setup

⇒ more than 30 tasks for basic installation
My contribution (1)

1. Bash script

- 1000+ lines
- checks everything
- logs everything
- verbose mode
- debug mode
- interactive mode
- man pages
My contribution (2)

2. RPM package
   ⇔ 2 steps for real-world deployment

3. Puppet module (Openstack)
   ⇔ 0 steps for CERN environment

4. Documentation
Future

› Puppet module enhancements
› Automated analysis of candidate data
› Testing, benchmarks
Thank you.

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