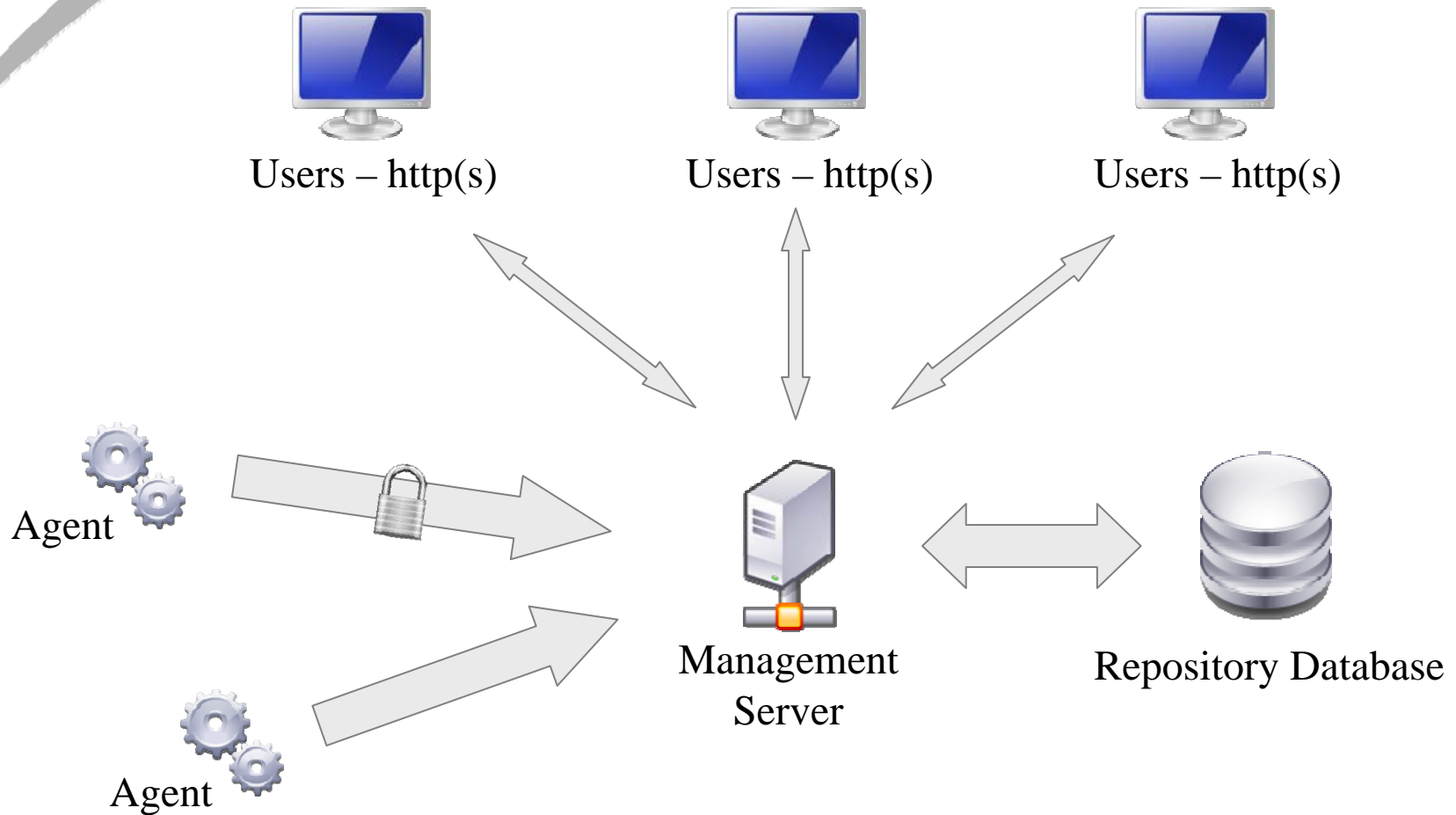# Enterprise Manager 10g @ CERN

Christopher Lambert

IT-DES

- Brief introduction to EM10g

- How we're using it

- Current activities

- Issues we've faced

- Planned work

- Conclusion

- Q & A

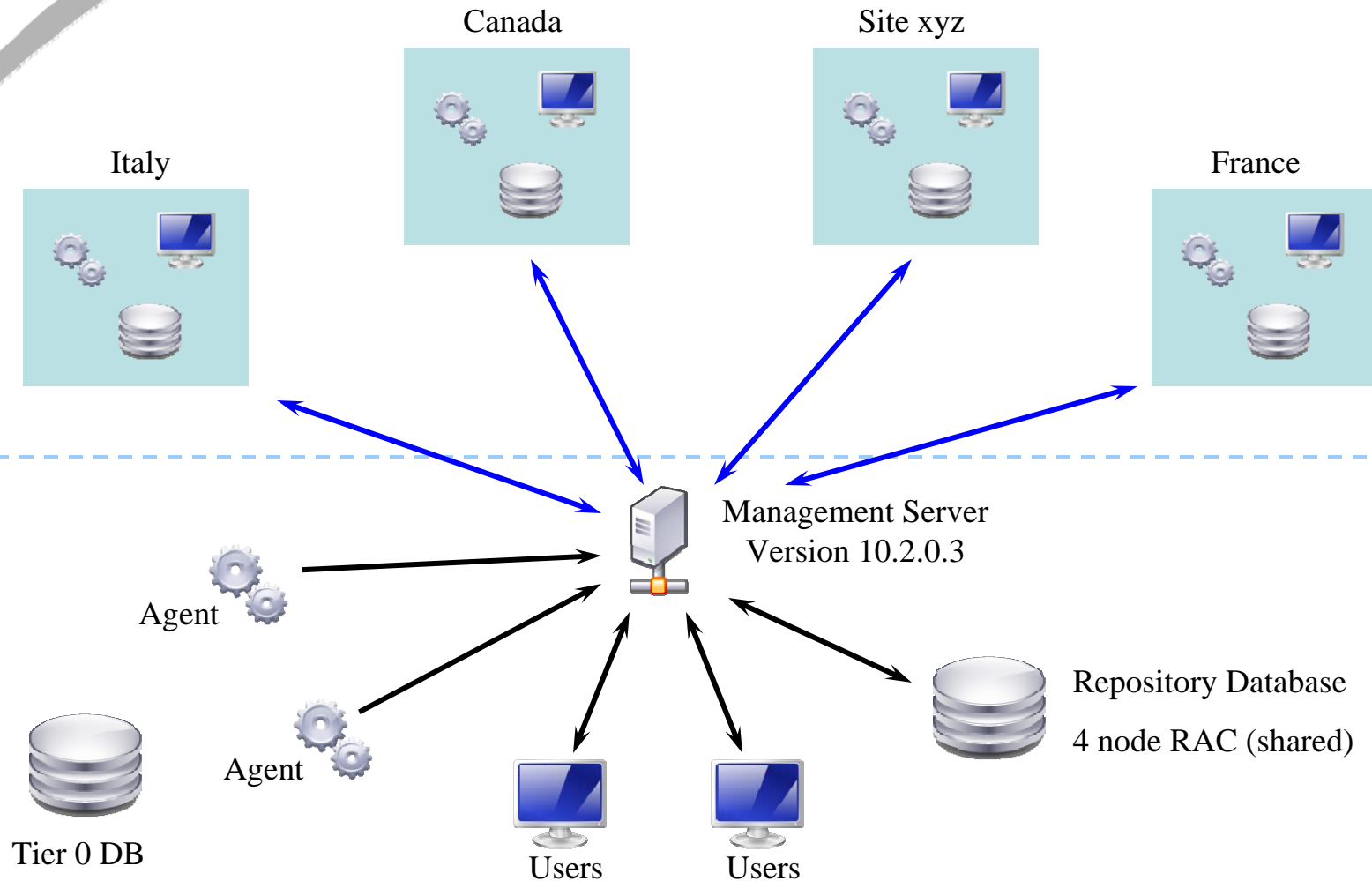- Integrated Monitoring, Management & Reporting tool

- Hosts, Storage, Oracle products, network etc.

- Alerts users when thresholds breached

- Gives in depth view of entire enterprise

CERN openlab

Users – http(s)   Users – http(s)   Users – http(s)

Agent

Agent

Management Server

Repository Database

- ## 2 installations at present
  - ### 3D project
  - ### Internal use

- ## 3D = Distributed Database Deployment
  - ### CERN is Tier 0 site
  - ### Remote institutions are Tier 1 sites
  - ### Proof of concept use

- ## Internal use
  - ### AIS, Infrastructure, PSS

3D architecture

Canada

Site xyz

Italy

France

Management Server
Version 10.2.0.3

Agent

Repository Database

4 node RAC (shared)

Agent

Tier 0 DB

Users

Users

- 11 Sites (growing)

- 10-15 databases (RAC)

- 200 targets

- Repository = 2.5gb
  - Only 2 weeks of data
  - Default raw retention is 30 days

PSS
Agents

Infra
Agents

AIS
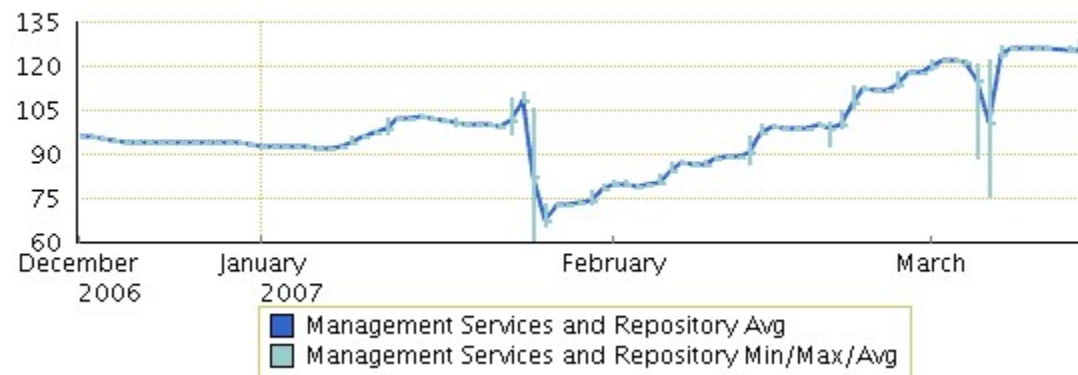Agents

Management
Server

Users – https

Repository Database
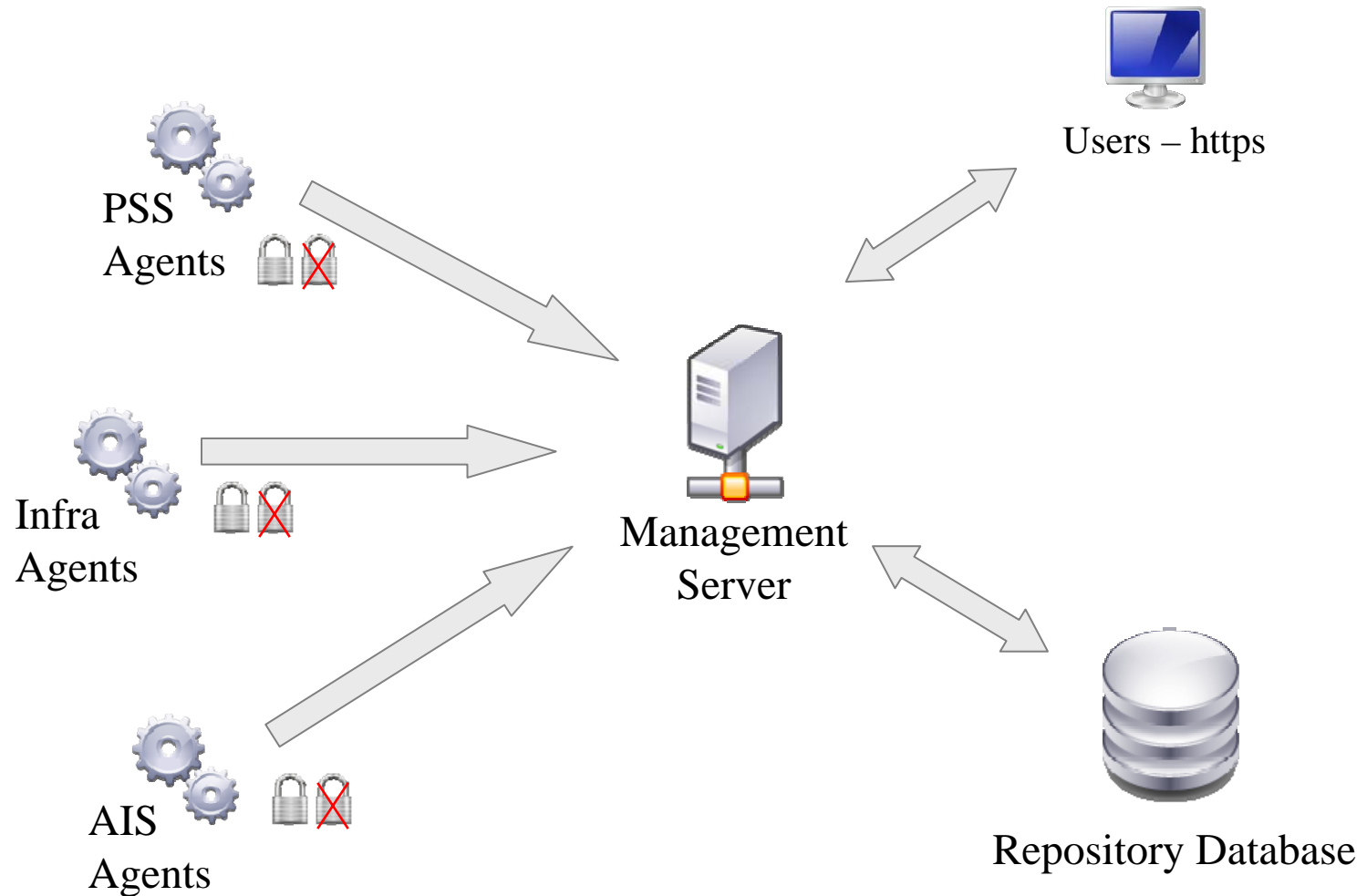
- ## 951 targets

Metric Value

- ## Re

- ## Ag

- ## Lo

- ## 50

- # 3D continuing with proof of concept
  - ## More sites joining

- # Internal system
  - ## Migrate repository to 2-node RAC (NAS)
  - ## Monitoring Service
  - ## Resolve issues with support

- Upgrades

- Oracle Support

- AIS Firewall capacity

- iAS & Streams monitoring not so good

- **Lots of work planned for future**
  - Migrate OMS & load balance
  - Implement web transactions
  - Upgrade to 10.2.0.3
  - Secure agents
  - Implement access controls
  - Implement standards & clean up
  - Use compliance features
  - Test system

- **Strategic Customer Programme**

- What is EM?

- 3D architecture and stats

- Internal system architecture & stats

- Current & future activities

- Issues we've faced

- EM10g is complex

- Resource hungry

- Used a lot for DB monitoring/management

- Big challenges in 2007
    - Scale up
    - High Availability
    - Expand feature usage

Questions?

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