Bio-inspired Optimization Techniques using Apache Hadoop and Oozie

Christian Gapp

Institue of Computer Science, University Innsbruck

ENTER CORRECT DATE!!!

Table of Contents

Table of Contents

Blahblah

Table of Contents

SOP and MOP

Introduction	Bio-inspired Optimization Techniques	Hadoop	Biohadoop	Evaluation	Conclusion	References
	○●○	○○○○	○○○	○○○○		

Optimization

Bio-inspired optimization

GA and NSGA-II

Table of Contents

Introduction   Bio-inspired Optimization Techniques   **Hadoop**   Biohadoop   Evaluation   Conclusion   References
    000   ●000   000   0000

Overview

What is Hadoop?

Introduction   Bio-inspired Optimization Techniques   **Hadoop**   Biohadoop   Evaluation   Conclusion   References
                 000   0●00   000   0000

Components

HDFS

Introduction   Bio-inspired Optimization Techniques   **Hadoop**   Biohadoop   Evaluation   Conclusion   References
        ○○○   ○○●○   ○○○   ○○○○

Components

YARN

Oozie

Table of Contents

Introduction   Bio-inspired Optimization Techniques   Hadoop   **Biohadoop**   Evaluation   Conclusion   References
    000   0000   ●00   0000

Concept

System architecture

Master-worker

Introduction   Bio-inspired Optimization Techniques   Hadoop   **Biohadoop**   Evaluation   Conclusion   References
000   0000   0●0   0000

Task system

Task Broker

Endpoint and Worker

Table of Contents

Environment and Test Problems

Introduction Bio-inspired Optimization Techniques Hadoop Biohadoop **Evaluation** Conclusion References
       000   0000   000   0●00

Results

Correctness and Algorithm execution times

Introduction   Bio-inspired Optimization Techniques   Hadoop   Biohadoop   **Evaluation**   Conclusion   References
000   0000   000   0000

Results

Performance Influences

Introduction   Bio-inspired Optimization Techniques   Hadoop   Biohadoop   **Evaluation**   Conclusion   References
            ○○○   ○○○○   ○○○   ○○○●

Results

Speedups And Comparison to Standalone Implementations

Table of Contents

Conclusion

References

- http://csrc.nist.gov/publications/nistpubs/800-145/SP800-145.pdf
- http://www.openstack.org
- http://www.ubuntu.com/cloud/tools/openstack
- http://blogs.gartner.com/alessandro-perilli/why-vendors-cant-sell-openstack-to-enterprises/
- http://devstack.org/