

GERÊNCIA DE INFRAESTRUTURA PARA BIG DATA

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INTRODUCTION

Who am I?

- Prof. Tiago Ferreto
 - Associate Professor – School of Technology – PUCRS (since 2004)
 - Member of the Post-graduate Program in Computer Science (since 2012)
 - Advisor of Master and PhD students
 - Coordinator of LAD/PUCRS (High Performance Computing Laboratory)
- Research topics
 - High Performance Computing, Grid Computing, Cloud Computing, Edge Computing, Fog Computing
 - IT Infrastructure – virtual machines, containers, unikernels, serverless computing
 - Networking – Software Defined Networks, Network Functions Virtualization
 - DevOps – Infrastructure as Code, CI/CD, Deployment Automation

Overview

- Topics
 - Big Data
 - Apache Hadoop
 - HDFS
 - YARN
 - MapReduce
 - Data ingestion: Flume and Sqoop
 - Data analysis: Pig, Hive
 - Apache Spark
 - HUE (Hadoop User Environment)
 - Apache Ambari
 - Hadoop Administration and Monitoring

Agenda

#	Data
1	SEX – 3/8/18 – 19:30-22:45
2	SAB – 4/8/18 – 8:00-11:30
3	SEX – 10/8/18 – 19:30-22:45
4	SAB – 11/8/18 – 8:00-11:30
5	SEX – 17/8/18 – 19:30-22:45
6	SAB – 18/8/18 – 8:00-11:30
7	SEX – 24/8/18 – 19:30-22:45