Cost aware resource management in distributed cloud data centers

Slide 1 :

… Today I want to give a short overview of my thesis and what I have done.

… Today I want to give a short overview of my thesis „Cost aware resource management in distributed cloud data centers“.

Slide 2:

Introduction: Give a short introduction to the topic and present the goals of the thesis.

Main Contributions: Then I will present the main contributions of the thesis

Methodologies: Discuss which methodologies I have used

Forecasting: Go into topic of forecasting, present forecasting models and evaluations

Simulation Scenario: Then I will outline the simulation scenario and

Results: Finally present the simulation results

Discussion: I will conclude with a short summary

Slide 3:

Introduction – Power Consumption

Los Angeles Power Consumption 2010: 68.255 TWh

Average power per capita in US 2013 [2]: 14,744 kWh

Population of Los Angeles [3]: 18,550,288

Roughly 10,000 MWh per 1 million population

[1] US city power consumption http://ecdms.energy.ca.gov/elecbycounty.aspx

https://www.quora.com/How-much-electricity-does-an-industrialized-city-of-1-million-people-consume

[2] https://en.wikipedia.org/wiki/List\_of\_countries\_by\_electricity\_consumption

http://data.worldbank.org/indicator/EG.USE.ELEC.KH.PC

[3] https://en.wikipedia.org/wiki/Megacity

https://en.wikipedia.org/wiki/Demography\_of\_the\_United\_States