POLITENICO DI MILANO

DIPARTIMENTO ELETTRONICA, INFORMAZIONE E BIOINGEGNERIA

HEAPLAB PROJECT REPORT

EdgeCloudSim Report

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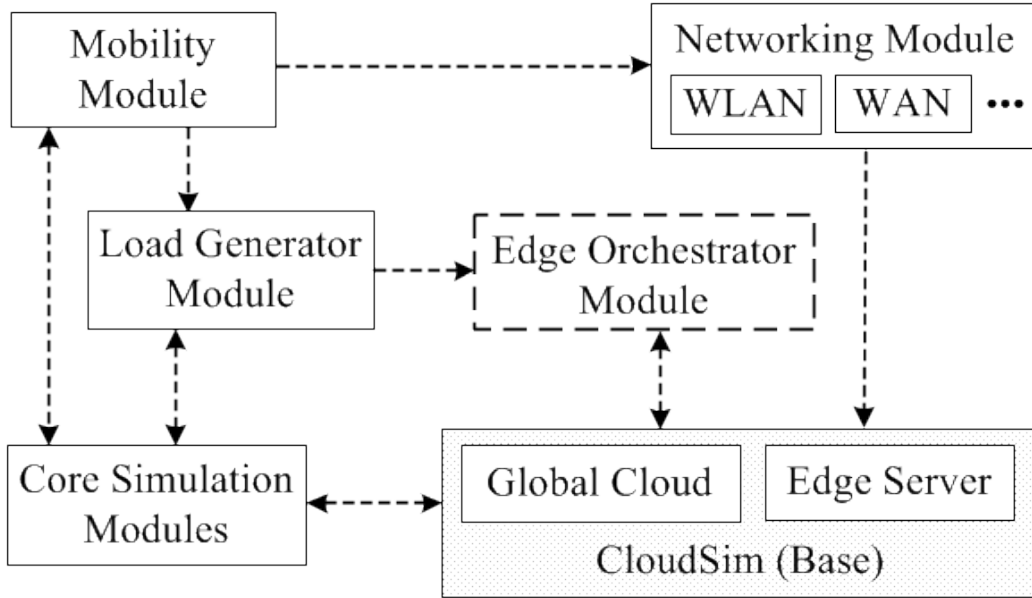
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Figure 1: This is a figure caption.

Abstract

Your abstract. - Summarize your work.

1 Introduction

Your introduction goes here! Some examples of commonly used commands and features are listed below, to help you get started.

If you have a question, please use the support box in the bottom right of the screen to get in touch.

2 Design and Implementation

2.1 EdgeCloudSim and CloudSim

As is shown in the picture1, there are two important classes in core package: ScenarioFactory and SimManager. The ScenarioFactory gets the parameters for the scenarios. And the SimManager receives the object of type ScenarioFactory. Moreover, the SimManager is a class extended from SimEntity

class. The SimEntity is a class defined in CloudSim. And it has a function called startEntity(), which will schedule the task.

> Not sure if I can implement the task-based application here or change the schedule function in CloudSim

2.2 Relationship Between Modules

2.3 Task-based Application

2.4 Task Migration

2.5 Probabilistic Network Failure Model

3 Experimental Results

4 Conclusions

5 Some LaTeX Examples

5.1 Sections

Use section and subsection commands to organize your document. LaTeX handles all the formatting and numbering automatically. Use ref and label commands for cross-references.

5.2 Comments

Comments can be added to the margins of the document using the todo command, as shown in the example on the right. You can also add inline comments too:

Here's a comment in the margin!

> This is an inline comment.

5.3 Tables and Figures

Use the table and tabular commands for basic tables — see Table 1, for example. You can upload a figure (JPEG, PNG or PDF) using the files
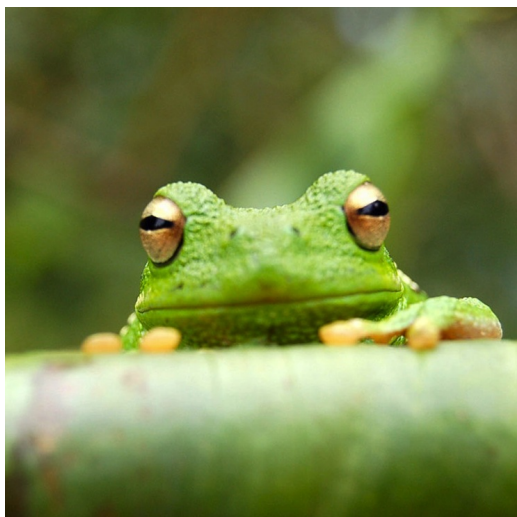
Figure 2: This is a figure caption.

Item	Quantity
Widgets	42
Gadgets	13

Table 1: An example table.

menu. To include it in your document, use the includegraphics command as in the code for Figure 2 below.

5.4 Mathematics

LaTeX is great at typesetting mathematics. Let $X_1, X_2, \ldots, X_n$ be a sequence of independent and identically distributed random variables with $E[X_i] = \mu$ and $\text{Var}[X_i] = \sigma^2 < \infty$, and let

$$S_n = \frac{X_1 + X_2 + \cdots + X_n}{n} = \frac{1}{n}\sum_{i}^{n} X_i$$

denote their mean. Then as n approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$ converge in distribution to a normal $\mathcal{N}(0, \sigma^2)$.

5.5   Lists

You can make lists with automatic numbering . . .

1. Like this,

2. and like this.

. . . or bullet points . . .

- Like this,

- and like this.

We hope you find writeLATEX useful, and please let us know if you have any feedback using the help menu above.