

Understanding the cost of the cloud

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Abstract

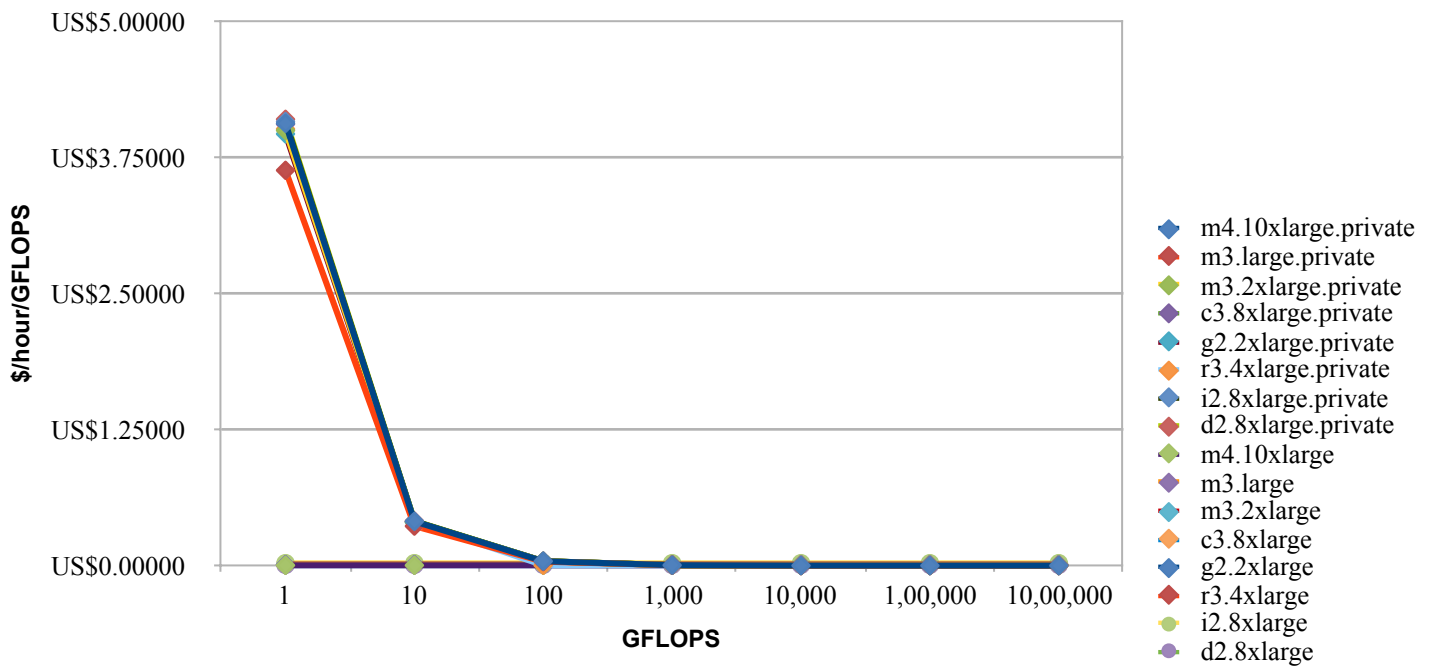
The main purpose of this project is to grasp the importance of economic concerns regarding cloud computing. Since cloud computing becomes widespread within the industry of computer science, the management of prices has become a huge topic of cloud computing these years. We are to study the incentives of setting up a public rather than a private cloud.

Introduction

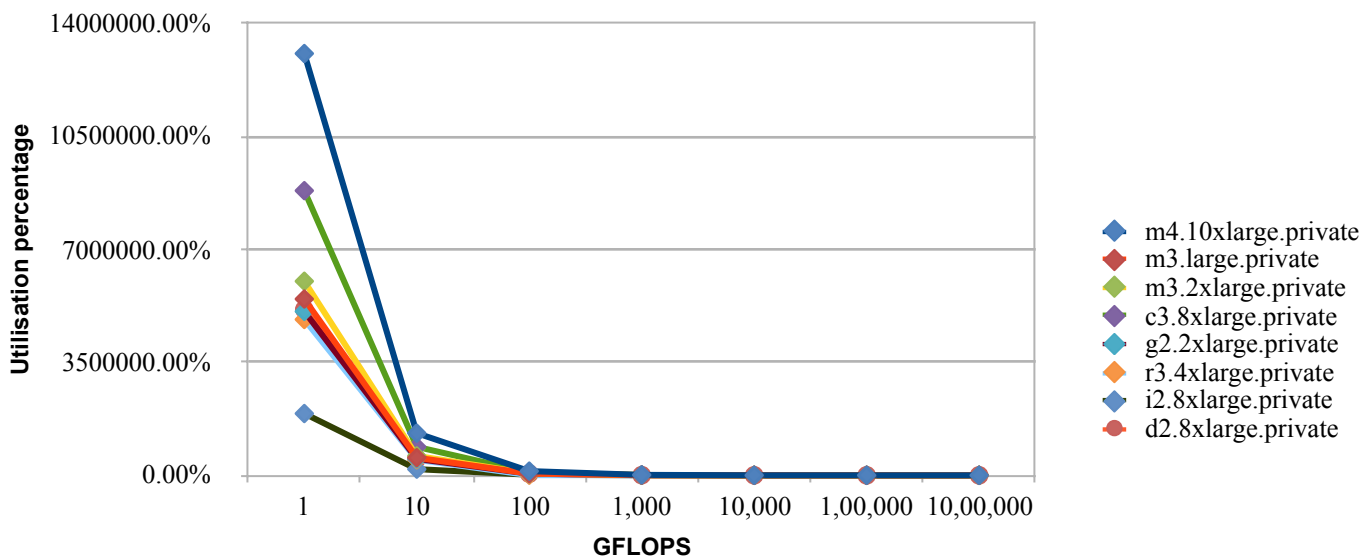
We are to compare the price of setting up a public cloud using Amazon Web Services, and the price of buying all the resources in order to build a private cloud. In our study, we will consider different cloud size expressed in Flops, (floating point operations per second). Finally we will see in what extent it is interesting to use public resources rather than buying and setting up a private cloud from scratch.

Plots:

Hour cost/pricing of instances by computing power



Utilisation required to reach cost-wise breakpoint



Tables:

The Table.xlsx shows all the 8 tables with the components and their costs under the tab Private Cloud. It also consists of a tab EC2 which has the costs of all the Amazon Public Instances and a data tab which has the data for the above plots.

Screenshots:

The Shopping cart screenshot has been taken for m4.10xlarge and for others the description is added in the table.

