Every second that we forgo cloud-based grid computing, we are accruing needless expenses. Cloud-based grid computing is being eagerly adopted by companies worldwide. It allows companies to purchase computing power at times of high demand, obviating the need to purchase in-house servers whose computing capacities greatly exceed regular business needs. According to Rackspace Holdings, this solution will yield an average infrastructure cost reduction of 23%.

Cloud-based grid computing is a technology that allows a company to outsource its computing power, just as it may outsource production or another business function. The company simply calls a provider of cloud-based grid computing, explains its level of computing need and duration of need, and receives access to the providers’ computing resources within hours. By assigning computing duties to companies that specialize in computing (particularly during times of elevated need) a company avoids overinvesting in in-house IT infrastructure. Cloud-based grid computing is scalable, meaning that a company only pays for what computing resources it expects to use over a given period of time. This feature is highly preferable to maintaining and upgrading in-house servers that are rarely utilized to capacity. A week-long computing-intensive project does not justify overhauling our entire IT infrastructure.

With scalable cloud-based grid computing, our company can augment its computing capacity in times of need, ending the cycle of continual upgrades to our frequently underutilized servers. The December 2012 Rackspace Holdings survey of 1300 US and UK businesses found that the aforementioned 23% infrastructure cost reduction translates into a yearly savings of “close to $500,000” by using cloud computing providers.
