Abstract

The objective of this research is to look at the way organizations implement and use desktop and server virtualization on their IT infrastructure, which is useful to increase utilization rate. Increased utilization rate means that the operational cost and required space for IT infrastructure can be reduced. The aim of this research is to help companies who want to move to virtualization to understand virtualization process more deeply. This research uses grounded theory as a method to analyze the data.

There are several virtualization benefits that the author discovers, as well as some drawbacks in virtualization. However, the main output of this research is to discover the aspects that a company should consider when implementing virtualization, as well as the steps to implement virtualization.

During the research progress, the author uses both online media and books to collect the data, mainly for the foundation theories. Then, the author chooses a number of organizations as the samples and performs in-depth interview to gather required data for this qualitative research. After all interviews are done, the datas are being summarized and written on the report.

Key words

Virtualization, IT Infrastructure, Cost, Utilization, Server