

From: Brittany Cogle
To: CIO Mart Doyle
Subject: Server Technology

Our current storage utilization system is costing our company time and money as we are paying for large amounts of storage space that we are not actually using. Therefore, I suggest we switch to a thin provisioning storage model, which will permit us to allocate the exact required amount of server space at the time that it is required, thereby decreasing the amount of storage space needed while also decreasing costs and improving efficiency.

Thin provisioning is a data storage model that allows users to assign a large amount of virtual capacity for an application server, regardless of the actual physical data capacity available. Therefore, actual space is only used when data writes occur, thereby saving storage space. Thin provisioning uses virtualization technologies to make the system believe that there are more physical resources than are actually available. As more storage is needed, additional volumes may be added to the existing system consolidated storage system. By allocating only the server space we need, we will decrease our costs and increase our productivity.

We should invest in thin provisioning because this technology will decrease our storage and energy costs and increase our efficiency. With our current conventional storage provisioning, we are paying for large amounts of unutilized storage space. By implementing thin provisioning, we will only be paying for storage we need to use and increasing our efficiency because we will increase storage utilization by only using the storage that we need. Servers require a lot of power and cooling units to keep the servers from overheating. Therefore, by decreasing our physical storage, we will have lower energy bills. We should invest in thin provisioning because by decreasing our physical storage through the use of virtualization, we will decrease our costs and increase our efficiency.

Works Cited

Rouse, Margaret. "Thin Provisioning (TP)." SearchStorage. N.p., Nov. 2006. Web. 13 Feb. 2013.

"Thin Provisioning." Infortrend. N.p., n.d. Web. 13 Feb. 2013.

"Thin Provisioning." Webopedia. N.p., n.d. Web. 13 Feb. 2013.