Brian Locklear

MIS2501

Mart Doyle

1/31/12

Flash research 1: Data Centers and Networking

Over the past year our organization has experienced 10 outages to our ERP system. The downtime costs were $14,800 per minute, which is unacceptable. By switching our current technology from “Tier I” to Tier III” capability, we have the ability to make $24,114,528 within the next few years. By switching, we will also reduce the amount of time employees are sitting around doing nothing.

Since our company is only Tier 1 its capabilities are limited. If we were to upgrade to Tier 3 capabilities we would have redundant power sources available so that if one were to shut down, we would still be able to continue operations. Also individual components can be shut down without affecting the whole system. In comparison if we continued to use Tier 1 we could risk having more down time because of the less reliable service. Tier 3 also gives our servers .31% more available than Tier 1, which means about 1500 less downtime minutes.

So in order to make this happen it is going to cost the company $35,000,000 to build a new datacenter. The operation will take a year to go through so you will not see results until year 2, but after that our profits will be $24,114,528 (over the next 3 years) more than they would have been without building a new data center. In the end this will have a large impact on our income statements and will also keep us competitive with other companies since our technology will be up to date.

Doyle, Martin. Data Center site Infrastructure Tier Standard: Topology, Uptime Institute Professional Services, 2010

Techrpublic, techrepublic.com Data Center Site Infrastructure Tier Standard Topology: October 2009