

New System Proposal

CIS/319

Riordan Manufacturing requires an new and updated system the will work great with organization of product sales, where it will allow data to be manage by employees from computers and mobile devices. The system that will be developed will include customer records

and for security reasons it will be password protected. The cloud computing system will be inexpensive to convert from the old system by using an idyllic system.

The initial siting of cloud computing was evolved from visualization. Riordan will be able to separate software, business application, and data from hardware by using visualization. The cloud offers storage, network, and hardware virtualization. Private warehouses will be set up for company information in private cloud. By using virtualization you can enhance assets within the business. Also you can have lower administration fee and reduce maintenance fees. This will also allow the whole marketing division to combine to one great and superior database. Another advantage to switching to a cloud system will allow to a faster return of information that comes from different locations. This is a great benefit rather than trying to gather information from different locations that are scattered geographically.

Riordan has many business needs that cloud computing can address, reducing IT costs. Having many plant locations cloud computing can lower per plant costs by eliminating hardware and software at each. Riordan looks to improve its overall efficiency for the inventory and manufacturing processes. They also look for improvements to the MRP (Materials Resource Planning) and ERP (Enterprise Resource Planning) systems for better tracking and management of materials and finished goods throughout the supply line. They need a database plan for Business-and-Business website for ordering materials on the Web. They have many systems within their operating systems in need of integration: the HR system of tools, manufacturing operations, research and development, marketing and sales database, allowing each division better communication between each other. Their manufacturing WAN (Wide Area Networks) has little or no documentation and is in need of analysis. There is a need for more effective management within the entire business system. They look for a recommendation for a Windows

operating system upgrade and business outsources. Riordan is in need for wireless capabilities, reduction in communication costs, and better phone and data networks. Riordan wants a business intelligence application for their Enterprise Sales application. They are concerned with security and want any risk identify.

Cloud computing, like with any other kind of system has risks involved. When cloud computing within a business, there is the risk of network dependency. When cloud computing, you must have the internet to access the cloud to begin with. Because of this, you will always have to have the internet. So, if the internet, for some reason were to shut off because of an interruption or a storm, the cloud computing would not work. This could happen at any given unpredictable time which means it could happen during an important transaction the company was doing. Another risk involved with cloud computing is centralization. Most companies now a days outsource their data and applications to a centralized provider. Because of this, organizations become dependent on the company with which their data and applications are provided to. If, for some reason, the company that is holding all the data and applications is unable to provide service, it will end up costing a lot of money and can affect the organization negatively.

Security within companies is always important. It is important for many reasons whether it is because you have clients who hold their personal information with the company or if it is because there are important documents that can only be seen by certain personnel. There is already a risk being run when this information is help on-site at the organization, however, the risk becomes a greater risk when it is then sent to another host which is what would happen with cloud computing. When the information is sent somewhere else, this could open the doors for attacks or hackers to be able to encrypt the data. In order for something like cloud computing to