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Some Information about Operation Support Systems by James Blee

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Operation Support System is increasing gaining popularity in the business fraternity. These systems can be classified into many categories of which Intelligent Operation Support Systems are the most popular. Let us know something about them. These systems emerged from the complexities associated with the modern industrial plants and the usage of cheap computer hardware. The modern industries often have to collect vast amount of data and distribute it to control systems and have to manage information systems. Operator errors are very common here as data overload and decision uncertainty are some common factors associated with these processes. .. Intelligent operation support systems or the IOSS uses knowledge and hybrid reasoning change. At first the functional requirements are specified and the human operatorâ€™s recognition behavior is analyzed. It has been observed that a hybrid reasoning environment that combines case based reasoning, model based reasoning and rule based reasoning is at par with the operatorâ€™s problem solving. The IOSS is designed by using the problem solving model as the guide.

The latest developments in the virtualization technologies have also resulted in the telecommunications carriers to apply virtualization-based operation support systems. If we isolate the logical view of computing resources from the physical aspect, virtualization is expected to help simplify the complex telecommunication systems, improve the rate of utilization and reduce the total ownership cost. There are some drawbacks also in comparison to the advantages. Last few years have witnessed a worldwide attention and actual use of the virtualization technology. The telecommunications systems are highly distributed and complex with stagnant or over powered servers. Here the virtualization technology comes into great use. Virtualization is achieved by adding a virtualization layer for resource allocation and control allowing different operating systems to properly coexist.

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