A STUDY OF INTELLIGENT CONTROLLERS APPLICATION IN

DISTRIBUTED SYSTEMS

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ABSTRACT

Intelligent Control emulates the human intelligence and achieves automation in various areas of Engineering. Intelligent Controls have been used mainly in the areas of Electrical Systems; Machine Intelligence based systems like Robotics. Intelligent Control has been active in various industrial and engineering applications. There is active research in applying Intelligent Controls in distributed computing systems like web based environments. The advent of internet has changed the business models for the service providers and consumers. The Distributed Computing Systems which host various IT and business services are expected to be available with high performance and scalability to meet the desired SLAs. There is absolute necessity in predicting the future trends of the IT environments, recognize the load patterns such that the provisioning of the hardware, software resources is appropriately handled. There are research attempts to explore the applicability of intelligent control in such different areas of computing like infrastructure provisioning and Distributed Systems. In this paper we study the various Intelligent Controls and discuss the recent trends of applying intelligent controls in Distributed Systems such as Web Servers.

KEYWORDS: Computing, Distributed Computing Systems, Intelligent Control