

Configuration and automation of application deployment using Kubernetes

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Abstract: In the modern context, the development of Kubernetes technology is increasingly affirming its important role in the process of managing and deploying applications in organizations. This topic aims to thoroughly research and analyze how to configure and automate application deployment using Kubernetes. Through this, we combine both theoretical and experimental methods to provide an optimal solution for the existing problem. The results of the project not only provide an overview of Kubernetes but also contribute to improving performance and service management capabilities in the enterprise environment.

Keywords: Kubernetes, automation, application, deployment, organization