

Automated Server Configuration Management using Ansible

Authors : Kartik Mahajan

Abstract : DevOps methodologies streamline software development and operations, promoting collaboration and automation. Traditional server management often relies on manual, repetitive tasks, leading to inefficiencies, potential errors, and increased operational costs. Ansible, as a configuration management tool, presents a compelling solution for automating infrastructure management processes. This review paper explores the implementation and testing of Ansible for server management, specifically focusing on automated user account configuration. By replacing manual procedures with Ansible playbooks, we aim to optimize server management, reduce human error, and potentially mitigate operational expenses. This study offers insights into Ansible's efficacy within a DevOps context, highlighting its potential to transform server administration practices.

Keywords : cloud, Devops, automation, ansible

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