

ABSTRACT

Cloud server is a server virtualization technology on a cloud network or internet. This technology enables cloud to manage the server resources more efficiently and as needed. The high increment of cloud server usage makes the need for installation management and maintenance of cloud servers are also higher, faster, easier and automatic. Ansible and salt is one of the automation tools for maintenance and installation on the cloud server.

This Final Project compared Configuration Management tools Ansible and Salt-ssh to deploy wordpress using Ubuntu 16.04 LTS as management node and target deployment. This research aims to analyze the performance of configuration management tools ansible and salt-ssh in terms of deployment speed, dispersion pattern, throughput, CPU Usage and Memory Usage.

Result of testing and analysis concluded that the pattern of data distribution or command on ansible and salt-ssh affected the speed of deployment, the number of packets sent, throughput, CPU usage and Memory. In speed deployment evaluation, ansible is superior to salt-ssh. There was a difference of 57 seconds to propagate commands to 3 nodes, 6 nodes, and 10 nodes. While the salt-ssh throughput testing outperformed ansible with 99 KBps to 274 KBps results compared to ansible which only got throughput of approximately 27 KBps to 46 KBps on deployment at 3 nodes, 6 nodes and 10 nodes.

Keywords: Cloud Server, deployment, Ansible, Salt