

ABSTRACT

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DESIGN AND IMPLEMENTATION OF WEB SERVER DEPLOYMENT USING NETWORK ADDRESS TRANSLATION FORWARDING

IT (Information technology) is needed today to support and support all the needs of almost all businesses today. Due to the large use of IT, IT requires an infrastructure that has best practice from all problems in infrastructure connections to the field of security. Examples of IT that are often used are web-based applications. Web-based applications contain thousands or even millions of codes. The code definitely needs a container to store and process. Therefore, web-based applications require infrastructure. PT Toyota Tsusho Systems Indonesia is engaged in IT and focuses on IT infrastructure services. Practitioners get professional job opportunities in the company as IT consultants. Practitioners must be able to design a good IT infrastructure and be able to predict all the problems that will be experienced and their prevention. The result of the implementation of professional work is a report on the design and implementation of a web server deployment using NAT forwarding. In the design and implementation stages, we have explained the stages of implementing the web server until it is accessed by users from outside the network. This implementation process is made with Cisco Packet Tracer virtualization.

Keywords: Application, Web Server, NAT