Abstract

Telkom Regional 3 West Java RAM Division needs an efficient and fast customer and OLT data validation tool. The data validation process is carried out periodically every month. The validation process requires a lot of time because there is a lot of data to be validated. Therefore, a website- based tool was developed using Microservices technology. Microservice is an architecture where application development is carried out in smaller services, which communicate with each other. This system consists of several small services that function to validate customer data and OLT. The system development process includes requirements analysis, system design, system implementation, and system testing. Test results show that this system is able to provide good performance in validating customer data and OLT. Overall, the development of the Telkom Regional 3 West Java data validation tools system using Microservices technology was able to increase the efficiency and speed of the customer data validation process, and was able to increase overall system scability.