



RPA Automates Link Upgrades to Boost Network Efficiency in Pakistan

Overview

Company's RPA was tasked with automating the process of software upgrades of radio link towers across Pakistan to boost network efficiency. The project involved multiple processes such as navigating the user interface, updating configurations, and accessing the servers.

Problem Statement

The manual process of upgrading software on radio link towers was time-consuming, error-prone, and required significant human intervention. It was also challenging to ensure that all the towers were upgraded with the latest software, which impacted the network's efficiency.

CUSTOMER

A Finnish multinational telecommunications, information technology, and consumer electronics corporation.

Country: USA

Industry: Private Sector

Customer Size: 500 - 1000

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Technical Solution

Company's RPA designed an automation pipeline that used Python, Pandas, Selenium, and SeeShell to automate the entire process of software upgrades. The automation pipeline was divided into multiple stages, each responsible for a specific task.

The first stage involved identifying the towers that required software upgrades using an image processing algorithm. The second stage involved navigating the user interface and updating the configurations on the radio link towers. The final stage involved accessing the servers and uploading the latest software to the towers.

Results

Company's RPA's automation pipeline significantly improved the process of software upgrades for radio link towers. The automation pipeline reduced the time required to upgrade software on a tower from several hours to just a few minutes. The automation pipeline also reduced the number of errors and eliminated the need for significant human intervention, resulting in increased network efficiency.

The automation pipeline also provided real-time updates on the progress of software upgrades, allowing the network operators to monitor the upgrades closely. Overall, Company's RPA's automation pipeline provided an efficient and reliable solution for upgrading software on radio link towers, improving network efficiency and reducing downtime.

Technologies	Domain
Python, Pandas, Selenium, SeeShell	Robotic Process Automation