

ABSTRACT

Auto Preventive Maintenance Centralized (Auto PM Centralized) is an enhancement of the Auto Preventive Maintenance (Auto PM) project, which supports preventive maintenance for network devices by automatically generating Preventive Maintenance (PM) reports from device logs provided by users. The earlier Auto PM was successful in automation, but it was still operating separately, requiring reinstallation for each device of different brands. Auto PM Centralized integrates these programs into a single web portal, allowing users to create PM reports for Cisco and F5 devices more efficiently. The development process used agile methods by implementing the scrum framework, and combined User-Centered Design (UCD), internal evaluation, and benchmarking methods in interface design. Functionality and performance testing are also applied to ensure the system runs well. By using Auto PM Centralized, the process of creating PM reports becomes simpler and faster, increasing efficiency and reducing the company's operational costs.