



Improving Productivity with Rocket[®] Modern Experience



The Northern Territory (NT) Government is the administrative authority of Australia's Northern Territory, serving more than 212,000 citizens across 1.3 million kilometers (over 807,000 miles). The NT Government maintains full legislative power over the region and is responsible for everything from law and order to education, community support, and health services.

Challenge

The NT Government's fleet division is responsible for acquiring, registering, and managing over 3,700 vehicles. However, over time staff productivity had become constrained by the host-based systems on its decades-old mainframe systems used to enter and manipulate data. Its systems lacked the necessary graphical user interfaces that have gradually become the norm in so many other IT systems. In light of that reality, staff were forced to duplicate data across multiple mainframe applications, which increased processing time and created data integrity issues.

As an organization, the NT Government is constantly seeking to improve productivity and service delivery wherever possible. To help improve its IT systems, the NT Government decided it needed to replace its outdated and aging green screens with a fresh interface, delivered via web browser for employees.

The Challenge

Faced with an aging IT infrastructure that was affecting productivity, the NT Government decided it needed to modernize its user interfaces.



Rocket Software has helped us reach our goal of providing users with a simple, web-based interface to our back-end mainframe applications. Both user satisfaction and productivity have been significantly improved.”

MANAGER OF APPLICATION SERVICES

THE NORTHERN TERRITORY GOVERNMENT

Solution

The NT Government’s NT Fleet and Department of Corporate and Information Services (DCIS) teams scoped out a list of requirements that any new solution would need to address. From there, the team set out to build a modernized solution that could deliver an improved user experience and increase productivity. To help power its transformation, the NT Government chose to work closely with Rocket Software as it began modernizing systems.

Using Rocket Modern Experience, the NT Government began creating a new user interface, replacing legacy green screen systems with a modernized web-based option. Rocket Modern Experience uses the same IDE (Eclipse) as the NT Government’s existing mainframe development product (EGL), helping streamline the modernization journey for its developers.

The DCIS application development team created a new browser-based user interface for the existing IBM®¹ 3270 mainframe applications. Throughout the project, the NT Government also leveraged Rocket® API to assist with back-end data linkage management. The NT Government was able to achieve its goals on an aggressive timeline, fully implementing its new solution in just 18 months, without any disruption.

The Solution

Rocket Modern Experience and Rocket API enabled the NT Government to quickly modernize complex IT systems and deliver an improved employee experience.

Results

By implementing Rocket Modern Experience, the NT Government staff can now enter and manipulate data using familiar web screens. The new approach removed the need for users to input the same data multiple times, reducing workloads and ensuring data accuracy is maintained across multiple back-end systems. The new interface saves each user around 20 hours of work per month, allowing staff to focus on higher-value activities rather than laborious data entry and management, while also reducing training time for new employees.

The Rocket Software solutions helped DCIS application developers streamline business logic creation and made it easier to connect multiple business systems. Rocket Software's API-based web services also make it easy for other systems to reuse existing mainframe logic, regardless of the platform or technology. Services can be run in parallel to decrease overall response time. The solution allowed the NT Government to make changes to its mainframe applications without requiring changes to the GUI, creating a more flexible and responsive environment and aligning with the needs of each departmental client.

Rocket Software's impact on the Northern Territory Government:



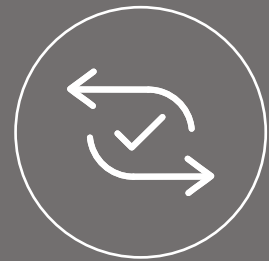
Improved Onboarding

Working with Rocket Software, the NT Government was able to reduce onboarding time for new employees and get them up to speed quickly.



Increased Productivity

Rocket Modern Experience helped the NT Government move data from disparate systems into a single interface, reducing data input times.



Enhanced Back-end Processes

With Rocket Modern Experience and Rocket API, the NT Government was able to better support its developers, reducing complex legacy processes.

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