



# Rocket® Terminal Emulator

Increased efficiency and simplified IT administration for a retail technology leader



Groupe Casino has an extensive history of technology leadership in the retail industry. It launched the first self-service store more than 70 years ago and introduced the concept of “sell-by dating” 60 years ago. Since 1898, the company has built its brand in France and Latin America, and today it employs more than 200,000 people in those regions. Like many retailers impacted by the shift to digital, the company is reinventing its retail model to take advantage of digitization to drive sustainable growth.

## Challenge


As Groupe Casino transitioned more of its business to digital, the company’s IT department realized a major concern: its outdated terminal emulation solution didn’t support its digital journey.

Casino’s team engaged Rocket Software, which was already working with its platform team to ensure web access to its terminals and drive down the terminal emulator cost. For Rocket Software, it was critical to demonstrate how the new solution would deliver operational savings while providing a scalable and easy-to-use tool for each employee in the group.

The emulator needed to be deployed via the web (HTML5) and administered centrally with little maintenance. The team’s objectives were to integrate the solution into an active directory that covers the entire business and to create centralized user rights management. The security team’s approval was also critical because Casino was moving from a desktop emulator to a web-based emulator.

## The challenge

Groupe Casino’s terminal emulation solution was outdated and needed to be deployed via the web to support its digital transformation journey.



Rocket Terminal Emulator is incredibly user-friendly and has driven greater efficiency and cost savings than we could have possibly imagined. The Rocket team has been efficient, constructive, and responsive and has continuously adapted the emulator to meet our needs.

The tool is so easy to install that we didn't need professional services. Users can also quickly gain the needed skills and put it to work themselves."

**BERTRAND DURR**

Systems Engineer, Groupe Casino

## Solution

Rocket Software built a production-based proof of concept to ensure that the requirements of the end users and the IT and security teams were met. Rocket also provided architecture diagrams to secure the security team's approval.

Casino used Transport Layer Security (TLS) on the back-end servers for end-to-end data security, HTTPS for the web browser, and Active Directory to access the session manager portal. Rocket started by deploying Rocket® Terminal Emulator to support order fulfillment. This process was executed in Casino's brick-and-mortar stores by the employees, who could now access the central IBM zSystems®.

After rapid implementation, an eight-week trial confirmed the new solution's benefits. Following the successful trial, Rocket Terminal Emulator was deployed beyond the stores and into the warehouses, where the IBM® i and IBM zSystems platforms were used to record inventory movements. Casino also rolled out the new tool at its headquarters, demonstrating its increased commitment to Rocket Terminal Emulator.

## The solution

Rocket Software deployed Rocket Terminal Emulator in Casino's physical stores, giving employees access to the central IBM zSystems. It also extended the new solution to Casino's warehouse and headquarters.

## Results

Casino was looking to modernize its infrastructure and found the ideal solution in Rocket Terminal Emulator. The new tool helped the team simplify their administration and operations process. Previously, if the company wanted to send out a different emulator type, it needed to do manual customizations on each individual PC or workstation. Now, Casino can centralize these customizations.

Updates are made with only 30 minutes of downtime, a significant time savings compared to the previous solution which required a one-day outage. Also, a single license enables Casino to use the emulator across multiple platforms.

The scope of the project expanded to IBM i series systems—as well as Linux operating systems, CentOS, and Red Hat, making Rocket Terminal Emulator the de facto standard at Casino. Rocket has iterated the product alongside users from Casino, improving the solution over time.

With Rocket Terminal Emulator, Casino can customize the user experience to each department, which was previously undoable. It can also map new users or business units in seconds. Once on the tool, the solution is so seamless that users can update it in minutes. Perhaps the greatest testament to the ease of use of the emulator? Casino was able to deploy its new terminal emulator without support from the Rocket team. Rocket's support and services teams are only contacted for advice and requests for changes.

### Time savings

The end user compute team can map new users in minutes, and when updates are needed, they only need 30 minutes instead of a full day of downtime.

### Headcount

The administration of the solution is simple and carried out by a single person.

### User experience

The tool is customized for each department that uses it, and Rocket Software continues to iterate the emulator based on Groupe Casino's needs.

### Security

Using TLS 1.3 on backend servers, HTTPS for the web browser, and Active Directory for portal access to the session manager, Casino was able to create centralized management of user rights.

The future won't wait—modernize today.

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