Bare metal integration revolutionizes CI/CD workflow efficiency for streaming media company

99.9%
re-creatable environments

99.9%
reliability of 2nd run

96%
improvement on effort reduction

Our Customer
A notable media streaming company.

The Challenge
As a Senior Infrastructure Engineer for a prominent streaming media company, Jan was no stranger to complex challenges involving CI/CD pipelines and automation. However, automating Windows on bare metal was testing her resolve. She had decomposed the problem into three distinct areas: bare metal management, Windows imaging, and CI/CD integration. While these could be solved independently, their collective complexity posed a formidable challenge.

The Solution
Her discovery of RackN Digital Rebar offered a ray of hope. The solution, renowned for streamlining infrastructure management, prompted Jan to write a Spinnaker shim for Digital Rebar. Her goal was to harness Digital Rebar's API to enable seamless access to the bare metal pool, thereby enhancing the CI/CD process's efficiency.

But the task was far from straightforward. The management of a bare metal render farm required a robust and efficient system, providing reliability with minimal maintenance. The operational burdens of such a task needed careful consideration to preserve workflow efficiency.

The Results
With Digital Rebar's implementation, the winds began to change. The platform's high reliability reduced operational toil significantly. The seamless

Challenges
- Balancing the high turn rate of systems with efficient management
- Navigating the complexities of a bare metal render farm while ensuring reliability
- Improving the efficiency of the Windows imaging process within the CI/CD ecosystem

Solution
- Developed a Spinnaker shim for Digital Rebar to streamline bare metal management
- Leveraged Digital Rebar's API for seamless integration into the CI/CD process

Results
- Enhanced collaboration between CI/CD and infrastructure teams, promoting streamlined workflows
- Improved render farm performance without the need for additional personnel
- Notable cost savings from transitioning to self-managed infrastructure

integration provided by Digital Rebar's API led to marked improvements in the collaboration between the CI/CD and infrastructure teams, which in turn, boosted workflow productivity.

Key Performance Indicators (KPIs) clearly evidenced the progress made. There was a considerable increase in the proportion of recreatable environments. The system demonstrated high reliability during the second run, and the efforts required for system resets were significantly reduced.

The tangible benefits extended well beyond performance enhancements. The company noted an upswing in their render farm performance without necessitating additional personnel. Furthermore, the move from costly cloud services to a self-managed infrastructure led to substantial cost savings.

Moving forward, Jan intends to extend Digital Rebar's capabilities to processes beyond the current CI/CD system. This successful integration underscores the transformative power of efficient infrastructure management, proving how it can effectively enhance the CI/CD process and bolster the corporation's bottom line.