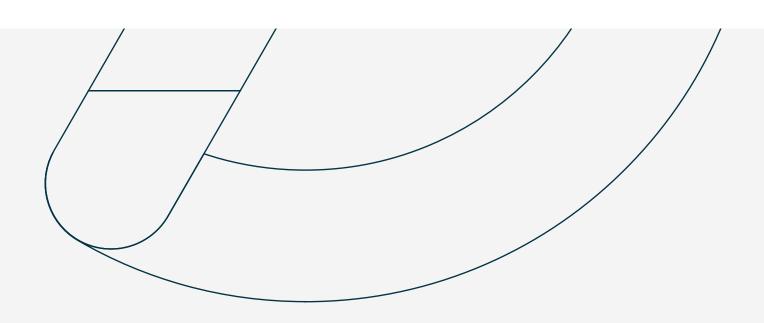CASE STUDY

Optimizing Mobile Testing with Pcloudy for a Global Energy Technology Leader

Company & Project Background

A global leader in energy technology services has been utilizing Pcloudy for over four years to streamline their mobile testing processes. Multiple teams within the organization including MT, SAP, QA, CDS, and R2I departments rely on Pcloudy's mobile testing capabilities. These teams test a wide range of applications, including Flutter-based apps, company portal apps, and both native and hybrid mobile applications. Supported by a team of 30+ testers, the client manages testing across multiple devices and configurations, helping them stay on track with delivery deadlines.

The Challenge

Before adopting Pcloudy, the client faced several significant challenges in their mobile testing workflows:

Complex MT Ecosystem
Their mobile testing ecosystem involved complex configurations (Global Protect, device passcodes, and custom environments). These complexities made testing slow, error-prone, and difficult to manage.

Manual Device Management
Without a cloud-based solution, the client relied on manual device setups, leading to inefficiencies and low test coverage.

Multi-location Access
Distributed teams across geographies struggled with real-time collaboration and shared device access, causing delays.

Limited Scalability
Testing across multiple devices and configurations was cumbersome due to the lack of a robust, centralized infrastructure.

Additionally, managing MT profiles manually consumed significant engineering bandwidth and slowed testing for custom applications.

Solution Implementation

The client discovered Pcloudy through a referral by a QA lead and, after a successful POC, integrated Pcloudy's Private Cloud with their MT router setup to create a seamless testing environment. Key enablers included:

Multi-location Device Access
Real-time, cloud-based access for global teams improved collaboration and reduced delays.

Advanced Device Management
Centralized device management eliminated manual overhead.

Scalability
The private cloud infrastructure allowed testing across hundreds of devices and configurations simultaneously.

Features leveraged:

Wildnet
For advanced network simulations replicating field conditions.

Appium-based Automations
To accelerate repetitive test executions.

Comprehensive Reporting
For real-time visibility into results.

Rotation & Manual Testing Modes
For diverse app behavior testing.

Minimal onboarding effort was required, with most testers operational within days.

Customer Testimonial

"The MT ecosystem's complexity made multi-device testing a challenge. Pcloudy simplified this with its private cloud and seamless integration allowing us to configure multiple iPads with a single Mac mini and router. The intuitive UI meant our teams were productive almost immediately, and when physical devices failed, Pcloudy became our reliable fallback."

★ ★ ★ ★ ★

Results & Impact

Pcloudy's integration transformed the client's mobile testing operations, driving measurable improvements in efficiency, coverage, and collaboration:

Quantifiable Outcomes

40%

Reduction in Testing Cycle Time

End-to-end test cycles were shortened by nearly two weeks, enabling faster release readiness.

60%

Improvement in Test Coverage

Broader device and configuration access led to more comprehensive testing and higher product quality.

30%

Reduction in Testing Costs

Automated workflows and centralized management minimized manual intervention and infrastructure costs.

Operational Impact

Streamlined Collaboration

Distributed teams could now test on shared devices in real time, ensuring synchronized results and fewer blockers.

Infrastructure Offload

Pcloudy's managed private cloud eliminated the burden of device upkeep, allowing QA teams to focus purely on testing.

Scalable & Reliable Setup

The system supported complex MT configurations and ensured consistent test reliability across global environments.

Conclusion

By adopting Pcloudy's Private Cloud for mobile testing, the client achieved faster release cycles, greater scalability, and measurable cost efficiencies. Pcloudy's robust automation, reporting, and management capabilities transformed an otherwise complex ecosystem into a unified, agile testing operation empowering the client to deliver higher-quality applications, faster.

G2 CROWD

We Are Rated

4.6/5 ★★★★½

Gartner peerinsights™

We Are Rated

4.8/5 ★★★★½

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