

CASE STUDY

Windlab Enhances Data Resiliency With Wasabi Cloud Backup and Archiving

Windlab uses Wasabi Hot Cloud Storage to safeguard large volumes of backup and archival data through a scalable, compliant, and cost-effective solution that scales with demand.

Overview

Windlab is an Australian renewable energy company operating across the full lifecycle of wind and solar projects. The business generates and retains massive volumes of scientific and project-based data, and uses Wasabi's scalable, compliant cloud storage integrated with Veeam to protect backups and archive historical files while maintaining secure, cost-effective access.

Challenges

Windlab's high-performance computing workloads generate massive data volumes, including critical wind and environmental data used for long-term analysis. The company relied on aging NAS systems with only local backups, making off-site protection difficult and costly. To ensure secure, compliant, and scalable storage, Windlab needed a modern solution for backup and active archiving.

- **High cloud storage costs** — Other cloud providers didn't offer cost-competitive pricing that aligned with Windlab's long-term storage.
- **Data sovereignty requirements** — Compliance with Australian data residency laws required local storage options.
- **Aging infrastructure** — Legacy NAS systems were nearing end-of-life and couldn't scale with growing data volumes.
- **Limited off-site backup** — Reliance on external hard drives constrained disaster recovery capabilities.

USE CASE:

- Backup & recovery
- Active Archiving

INDUSTRY:

- Renewable energy

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On-site multi-tier storage would have been prohibitively expensive, with limited utility. Wasabi allows us to keep data secure and accessible without the overhead.

— Paul Perine, Senior Systems Administrator, Windlab

Solutions

To modernise its back-up and archival infrastructure, Windlab selected Wasabi Hot Cloud Storage for its predictable pricing, native Veeam integration, and Australian data residency. The solution enables daily backups and long-term archiving, reducing reliance on aging NAS systems and costly multi-tier infrastructure.

- **Veeam integration** – Simplified backup workflows and accelerates deployment.
- **Object lock immutability** – Wasabi Object Lock protects against deletion, ransomware, and human error.
- **Data sovereignty** – Wasabi's Australian storage regions supports regulatory requirements.
- **Cost predictability** – Reserved Capacity pricing and no egress fees help manage long-term costs.

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We compared several vendors and Wasabi's pricing came out on top.

— Paul Perine, Senior Systems Administrator, Windlab

Conclusion

With Wasabi, Windlab now has a secure, sovereign cloud backup and archive solution that integrates with Veeam and meets both cost and compliance requirements. The team has reduced hardware dependency and improved disaster recovery readiness, and confidently maintained critical project data.

Benefits realized:

- **Estimated AU\$7,000 in annual savings** – Achieved through Reserved Capacity Storage discounts and zero egress fees.
- **Enhanced cyber resilience** – Immutable backups strengthen disaster recovery efforts.
- **Efficient data archiving** – Historical data is readily available without burdening local infrastructure.
- **Budget flexibility** – Freed-up resources support new initiatives and infrastructure upgrades.

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Wasabi integrates seamlessly with Veeam. Setup is fast and the security controls are easy to configure.

— Paul Perine, Senior Systems Administrator, Windlab