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Leap™

Quantum cloud service, delivering real-time access to leading edge resources.

D:WAVE

Overview

Leap™ is a cloud-based service, delivering immediate, real-time access to D-Wave's™ Advantage™ quantum computer and quantum hybrid solver service with enterprise class performance and scalability.

Simply purchase blocks of time to access the computer and address various business problems, ranging in size and complexity.

Leap provides an immersive learning environment: find out what types of problems the D-Wave quantum computer can solve, run interactive demos, and take advantage of numerous coding examples from a variety of fields.

It's the fastest path to quantum with no PhD required.

Key Business Drivers

1 **Increase agility in decision making**

2 **Drive innovation.**

3 **Reduce OPEX.**

4 **Gain competitive advantage.**

Benefits

Practical approach.

From beginner to advanced, any developer can get started building and running quantum applications. Whether dense or sparse, the Leap hybrid solver service delivers excellent solutions to business-sized problems, often out-performing classical approaches.

Highly scalable.

Leap™ hybrid solver service (HSS) accepts problems of up to one million variables and solves them with a combination of quantum and classical resources using advanced algorithms. This means that Leap is suitable for truly enterprise-scale problem solving.

Rapid response.

Instantly tap into our shared quantum and classical computing resources to get answers to your problems with reliability in minutes. No need to wait hours, days, or weeks to get good answers to a broad array of problems.

Easily accessible.

Connect securely to the QC via the cloud, upgrade your account for additional time in blocks that suit your need and budget, and use the programming model to tell the system which problem to solve - not how to solve the problem.

Simple environment.

Start coding right away through GitHub Codespaces - a ready-to-use development environment. Ramp up fast with real application examples with usable code, demos, and a visual problem inspector that makes it easier to explore, learn, and activate your quantum application.

Comprehensive tools.

Leap is more than just access to QC and hybrid solvers. It includes engaging demos, interactive learning materials, open-source Ocean SDK, a large collection of code examples, a problem inspector, access to a community of developers, and detailed documentation explaining everything you'll need to know.

Why Leap™ ?

NEC are Australia-based and understand the requirements around data sovereignty and the need for security. We are experienced in the delivery of complex technical solutions – across public and private sector.
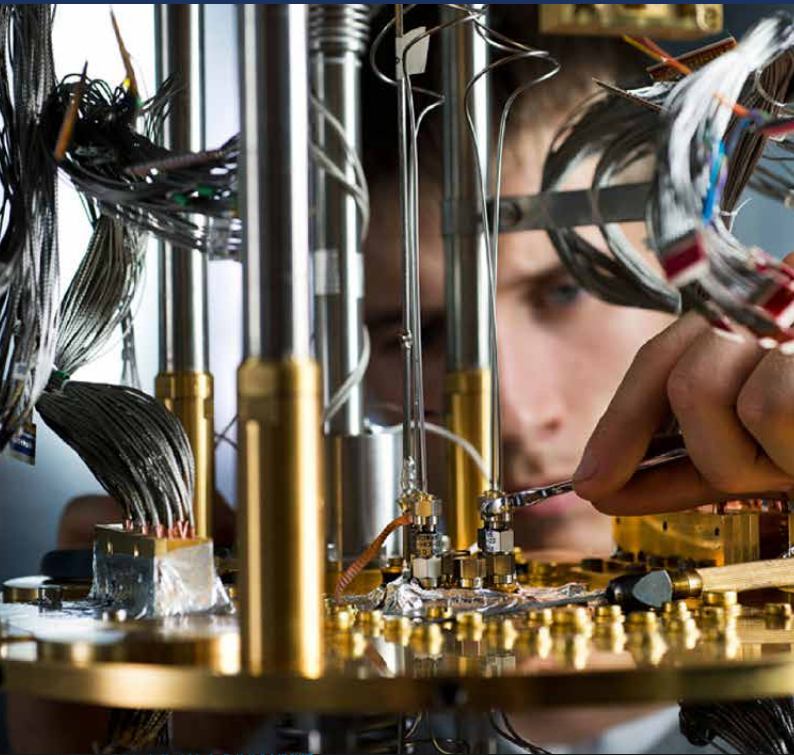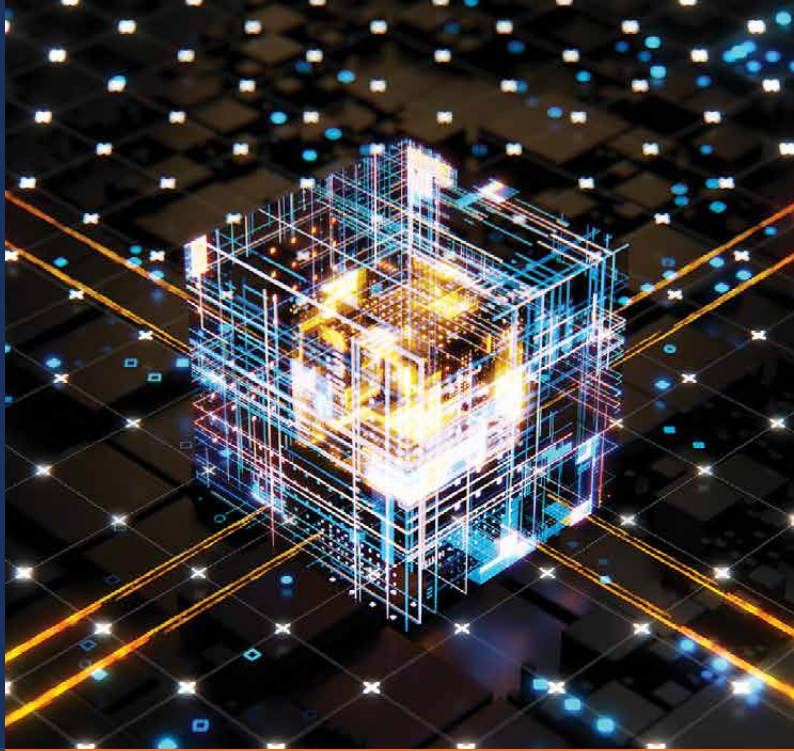
We are the sole re-seller of D-Wave's Leap platform in Australia with on-shore technical resources and support team. D-Wave is the only practical commercial quantum computing company with enterprise-grade technology that is production-ready.

D-Wave have the largest programmable cloud-based system available today with 5,000+ qubits and 250+ examples of quantum-hybrid applications solving real-world problems now.

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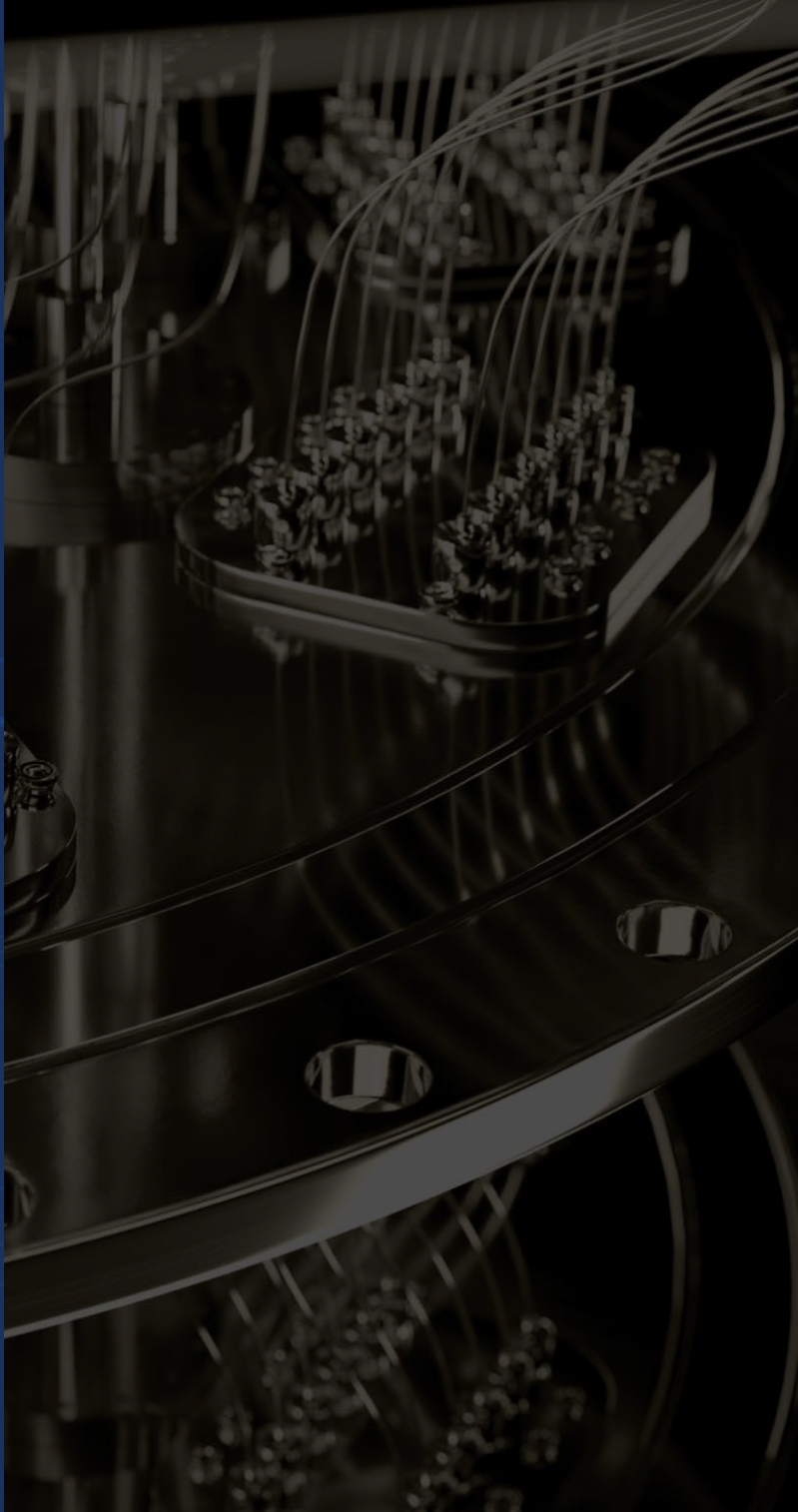
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