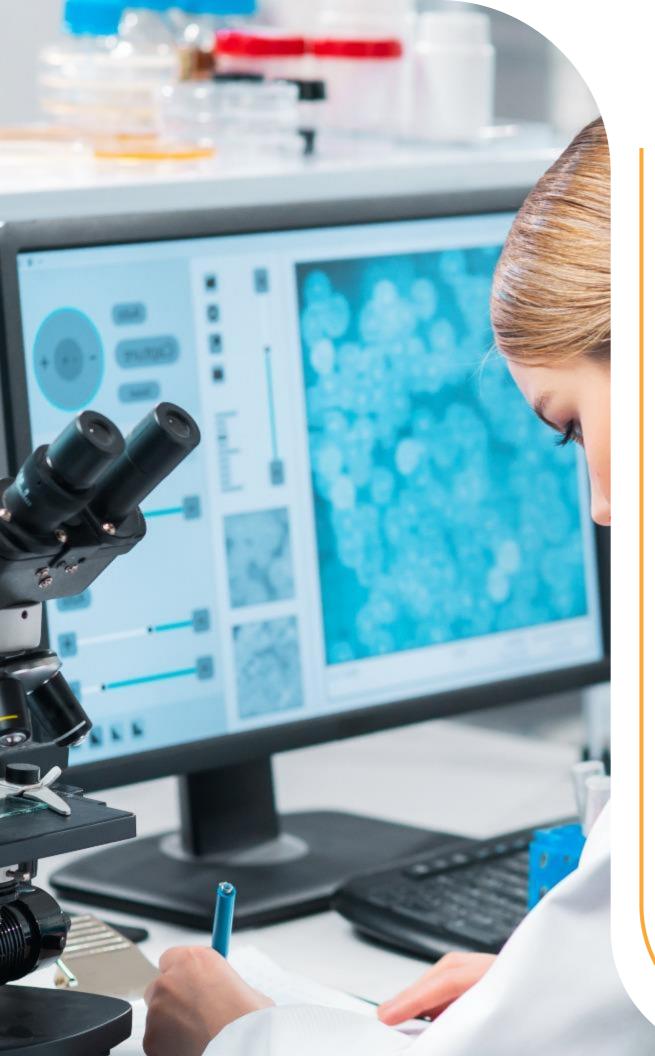# Self-service research platform on Azure

A unique self-service research platform on Azure enabling access to powerful resources on demand and supporting more agile ways of working and collaborating on research projects.

2023

Research without Limitations

Researchers have access to a wealth of data from various sources, which is invaluable when managed efficiently. By improving autonomy, infrastructure, security, and automating processes, they can evolutionise the speed and effectiveness of reaching successful research outcomes.

🚀	**Primary challenges**	Lack of autonomy and self-service capabilities, fragmented data across multiple systems, limited access to the right resources, data security, and labor-intensive processing, frequently hinder research capabilities.
🎯	**Ideal solution**	Self service capabilities to scale resources, process workloads, and store results on demand whilst automatically tracking costs against budgets. Access to a curated library of resources based on specific research needs.
⛰️	**Desired outcomes**	Provide a simple interface for a researcher to provision a high-performance computing cluster, storage or a high-powered workstation. Automatically create a Microsoft Team for collaboration on projects whilst tracking usage costs against a defined budget.

BizData®

Broader Perspective. Better Decisions.

Research without Limitations

A unique self-service research platform on Azure enabling access to powerful resources on demand and supporting more agile ways of working and collaborating on research projects.

Empower Users

→ Select from curated compute and storage options, manage projects/budgets/teams, and access the latest technology from a single console

Manage Effectively

→ Establish governed projects with budget caps & alerts, tailor resource templates for analyses, and uphold data classification standards.

Collaboration is Key

→ Integrate with MS Teams for chat, meetings & file sharing, manage project docs, and collaborate with shared workstations & assets.

BizData Self Service Research Platform and Microsoft Azure

Our self-service research platform on Azure enables researchers, academics, & students to harness an extensive catalogue of cloud capabilities. Benefit from Azure's advanced infrastructure, high-performance computing & scaled analytics – all tailored to elevate your innovation potential.

Simplified access to Azure resources

Provide a simple interface for a researcher to provision a high-performance computing cluster, storage or a high-powered workstation.

Seamless Collaboration

Seamless integration with Microsoft Teams facilitates chat capabilities, online meetings, and file sharing.

Access to latest technology

Provide access to the latest technologies, including InfiniBand-connected High-Performance Computing (HPC) resources, GPUs, FPGAs, AI/ML, and more.

Customer success: On-Demand Azure Platform for Organ Transplant Sequencing Analysis

Microsoft Azure has enabled BizData to develop an unprecedented Nanopore Sequencing Analysis Platform for PathWest, helping them provide life-saving stem cell and organ donor matching for transplants in record time.

"We are the first laboratory to be able to do third-generation sequencing in four hours; that's just not been done before," Dr De Santis Senior Scientist PathWest

World Class Azure Platform

BizData's Azure-based platform automates genetic analysis of 4,000 files (250 GB), providing extensive insights into stem cell and solid organ donors in record time.

Automation & Scale

Fully automated analysis using Azure Batch, including containerizing the pipeline tools and applications, running them in parallel and at scale.

Value & Innovation

With Azure, PathWest gained access to the latest NVIDIA GPUs necessary to support the basecalling of raw sequencing data, producing results 15x faster than their analyses on premises.

Establish a self-service research platform on Azure: 4-Wk Implementation

Call for more information: 1300 249 328

Ask a question via email: info@bizdata.com.au

Learn more

See our offer on the Microsoft Commercial Marketplace