

SEAMLESS IT FOR LIMITLESS RESEARCH

INTEGRATED INFRASTRUCTURE PLATFORMS FOR DEMANDING RESEARCH PROJECTS

Dimension Data is a leading global systems integrator and managed services provider that can provide integrated cloud platforms, connectivity, security, and operational management for even the largest, most technically demanding research programmes.

Think of us as integrators and orchestrators of multi-domain research ecosystems. We can integrate your on-premise high-performance computing (HPC) resources with open research clouds, our own cloud, and hyperscale public clouds to form a seamless IT environment for your research.

Ecosystem management

Our management capability uses microservices and open APIs to orchestrate hybrid environments and automate workloads, independent of the underlying infrastructure. We can secure data at rest and in motion in every domain, and we operate automatic backup and disaster recovery services across multi-cloud environments. Our own cloud platform is provided in conjunction with our parent company NTT. It offers highly secure private and virtual private platforms, and holds numerous information security and data protection accreditations.

With Flash technology for rapid data retrieval, it constitutes an ideal repository for securely storing reusable data under the FAIR principle, on a cost-effective consumption-based commercial model. We can control the physical location of data across our global cloud platform, assuring researchers of compliance with data sovereignty regulations.

High performance connectivity

Our global WAN is integrated with our data centres by software-defined everything (SDx) technology. This can be extended to computing resources on a research institute's own premises as well as to the hyperscale public cloud providers in their ecosystem. This capability allows research communities to enjoy flexible allocation of IT resources, in an automated manner.

We can connect multi-domain HPC environments with high capacity, low latency networks, and for less-extreme environments, we offer highly efficient and economical software-defined hybrid WAN.

Words
Dave Heyns,
Group Sales
Director
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Picture
Alma radio
telescope.
Image credit:
ESO/B, Tafreshi
(twanight.org)

Everywhere you are

We have data centres in 140 countries and our global network reaches 190. In Europe, our services are accessible through the GÉANT framework, and our platforms have a direct connection to national research and education network (NREN) organisations.

In Europe, we operate cloud platforms in Germany, the Netherlands, and the UK, and so are able to guarantee data sovereignty to researchers in these particular jurisdictions.

We invite institutions in Europe and throughout the world to engage directly with us. We have local teams in every region and sector specialists available to help. Email us at educloud@dimensiondata.com to discuss how our services could help you achieve your institution's research ambitions.

Connecting researchers to data

The Atacama Large Millimeter/submillimeter Array (ALMA) is the most complex astronomical observatory ever built.

Dimension Data provided ALMA with a managed network to securely relay the massive amounts of data generated by the telescope from its remote location 5,000m above sea level in the Atacama Desert in Chile to scientists across the globe.

'Our goal is to provide the best data possible to the scientific community, and Dimension Data helped us to achieve our goal.'
Christian Saldia, IT Manager,
ALMA.

Watch what our services can make possible

