

# Health Data Research Innovation Gateway

PA was HDR UK's strategic technology partner, we designed, built and implemented the HDR UK Innovation Gateway, a large cloud native application built on GCP for researchers and innovators to discover and access data in a safe and responsible manner.

## The challenge

One of the key challenges of the Innovation Gateway was to establish relationships between datasets, tools, projects and other resources to drive better user experience. The Target Customer Experience framework developed by PA allowed HDR UK to describe the vision for the user journeys to key stakeholders, allowing the project to progress.

## The solution

PA designed, built, and implemented the Innovation Gateway as a cloud native application on GCP, written in Express and ReactJS, and connects to MongoDB Atlas. The tech stack includes Cloud IAM, Cloud Audit Logs, Compute Engine, Cloud Run, Cloud functions, Cloud Build, Cloud Storage, Cloud DNS, Cloud Load Balancing, Secret Manager, Cloud Source Repository, Shielded VMs, StackDriver and Terraform.

## The results

As of Jan 2022, the Gateway has over 1,851 registered users, who have made over 423 dataset access requests. The Innovation Gateway catalogued over 640 datasets, 75 of which focus on COVID-19 supporting the UK's researchers in responding to the pandemic.

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### About HEALTH DATA RESEARCH UK

Health Data Research UK (HDR UK) unites the UK's health data to enable discoveries that improve people's lives. HDR UK do this by uniting, improving and using health and care data as one national institute. HDR UK's work spans across academia, healthcare, industry, and charities, as well as patients and the public.

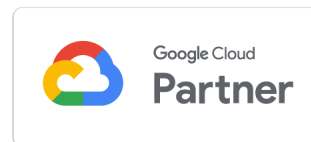
Industry: Healthcare & Life Sciences

Primary project location: United Kingdom



### About PA Consulting Services Ltd

Multi award-winning Google Cloud Premier Partner specialising in cloud migration, application development, data analytics, and machine learning.



## Products

Google Cloud Platform