Zetta Genomics

Powering genomic data.

Genomic medicine is an emerging medical discipline that uses genomic information as part of clinical care to inform diagnostic or therapeutic decision-making. As the cost of sequencing decreases and the ability to analyse whole genomes is more widely used, the ability to manage vast volumes of data is becoming a growing concern.

Zetta Genomics presents XetaBase - a intelligent data management platform that brings simplicity to the increasing complexity of storing, enriching and interpreting genomic data. XetaBase leverages Microsoft Azure to enable cost-effective and constant reinterpretation of data at speed and scale to realise the incredible power of precision medicine.

XetaBase - the tertiary analysis tool built on the open source Open CB platform and powered by world leading genomic data management solutions that enables interpretation of genomic variants and assigning meaning to them

XetaBase Scale

A variant store that can ingest whole genome sequences at high speed, with indexes customised for genomic data - Enabling almost instantaneous analysis

- In a single project alone, Xetabase has processed 110,000 whole genomes, encompassing 500 billion variants (1.7 billion unique variants)

XetaBase Efficiency

A single platform, highly automated and cloud-based to deliver self-service, real-time access alongside embedded collaboration tools - slashing processing times, reducing bioinformaticians workload, accelerating test implementation and speed to discovery

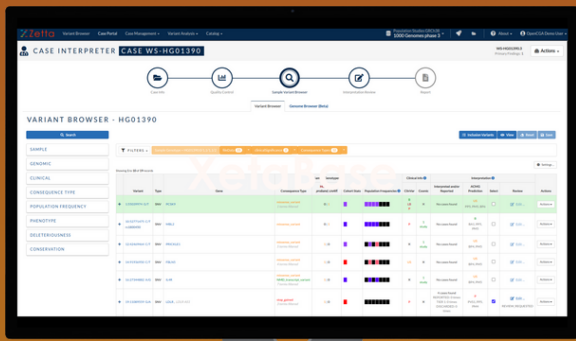- Xetabase can process multiple VCF's at a time, with processing speeds averaging <1 minute per file

XetaBase Simplicity

A simple highly customisable UI that provides real-time referencing, alongside easy variant annotation from industry leading resources - allowing high quality analysis and re-analysis enabling more diagnoses with no extra spend

"This is a game-changer for our clinical services, and we are excited to see where these new data capabilities will lead in terms of the life-changing research conducted in the laboratory every day." – Joo Wook Ahn, Principal Bioinfomatican at East GLH

"This is tremendously exciting – there is no software system like it anywhere in the world. It promises to transform our ability to serve children with some forms of cancer, inherited disease, and infectious disease." - Xiaowu Gai, Director of Bioinformatics, Center for Personalized Medicine, Children's Hospital Los Angeles

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Xetabase - helping transform access to precision medicine for millions of people across the world.

Why Microsoft Azure?

Be future-ready

Continuous innovation from Microsoft supports your development today, and your product visions for tomorrow. With 1,000+ new capabilities in the past year, you can build on the latest advancements in AI, blockchain, Kubernetes, containers, and databases to keep you ahead of the curve.

Our enterprise grade analytics solution outperforms the competition, costs less, and is fully compatible with your existing development, BI, and data-science tools.

Operate hybrid seamlessly

On-premises, in the cloud, and at the edge—we'll meet you where you are. Integrate and manage your environments with tools and services designed for hybrid cloud.

Enhance security, simplify access, and set smart policies across your different environments with a single-identity platform trusted by 90% of enterprises globally.

Build on your terms

You have choices. With a commitment to open source and support for all languages and frameworks, build and deploy how you want to. Take advantage of the full-featured, integrated development environments with built-in support Visual Studio and Visual Studio Code, the most popular IDEs trusted by 15M+ developers.

We embrace open source, drive innovation through collaboration, and contribute back to the community.

Trust your cloud

Get security from the ground up, backed by a team of experts, and proactive compliance trusted by enterprises, governments, and startups.

With a $1B+ investment in security R&D and 3,500 cybersecurity experts, security is foundational for Azure.

> Microsoft Azure is an ever-expanding set of cloud computing services to help your organization meet its business challenges. With Azure, your business or organization has the freedom to build, manage, and deploy applications on a massive, global network using your preferred tools and frameworks.

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