

Unlock the Meaning of NGS Data

Why NGS Insight?

- Save 3-5 FTEs worth of resources by abstracting the devops required to deploy, orchestrate & scale NGS workflows on AWS
- Improve R&D project response times by 50% compared to managing everything in house
- Save up to 50% on compute and storage costs through AI-driven instance selection optimization and automated data archival and retrieval
- Improve bioinformatics team productivity by 25% by off loading routine analysis tasks to wider R&D teams
- Improved business intelligence for kit makers through real time access to kit usage and performance data
- Keep customers in your own brand and ecosystem through productized white labeling
- Accelerate time to scientific insight by enabling bench scientists to analyze and explore data on their own

Accelerate Federated Deployment of NGS Workflows

Cloud computing shouldn't slow you down. With Basepair, the platform manages everything for you, reducing the need for IT approvals and long wait times. Consolidate analysis and storage in your own AWS account and focus on the science while reducing cloud costs and approval delays. Seamlessly integrate with AWS's analytical capabilities and enjoy the benefits of running everything through your own account. Maintain compliance without the hassle and expense of egressing data to new locations.

Product features

Connected Cloud

Leverage the compute and storage resources in any AWS account, anywhere in the world:

- Benefit from economies of scale and credits
- Remain connected to your other resources and services
- No need to install inside your virtual private cloud (VPC)
- Remove 90% of compliance issues by eliminating data movement

'Easy' Wrapper

Point and click graphical user interface combined with powerful CLI and APIs:

- Bench scientists can run custom workflows, AWS services or third-party tools and applications
- Make use of cloud optimized, industry standard tools and workflows for a variety of data types
- Enable bench scientists to explore genomic data through interactive plots and visualizations

Your Portal, Your Way

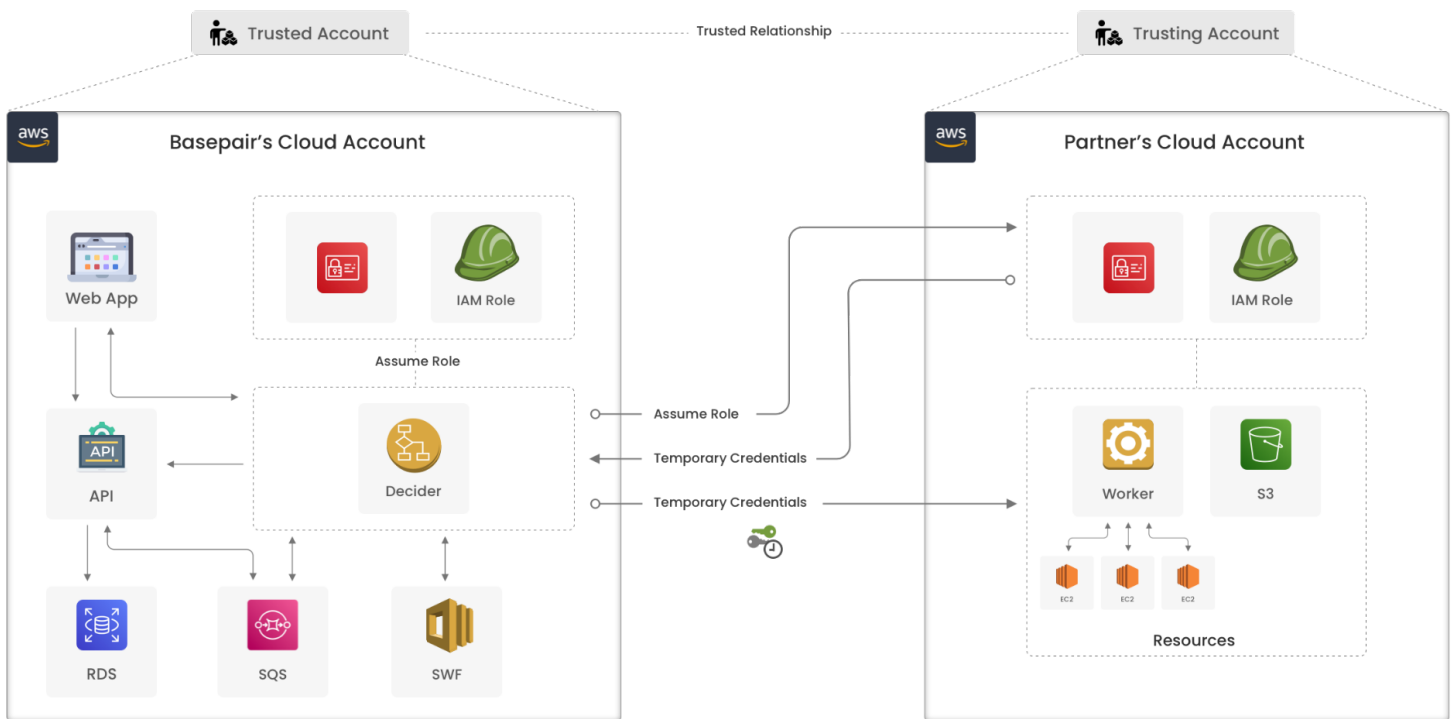
Additional features for kit/assay/test makers and genomic technology resellers:

- Productized white labeling
- Token-based business operations layer to bundle analysis at the point of sale of the kit
- Sample metadata layer to connect wet and dry lab

How it works

Basepair can be configured in two ways. If you prefer plug and play, raw NGS data can be ingested into a hosted version of the platform through a variety of ways including the drag and drop of files, command line, FTP server and through a direct integration with Basespace. From there, analysis pipelines tailored to the data type can be launched and the processed data visualized in interactive reports. Alternatively, through its unique Connected Cloud capability the platform can also be configured to use the compute and storage resources in any cloud account, including your own or that of your customers as outlined by this architecture diagram.

Connected Cloud Setup



Differentiators

- Plug in your own AWS account to maintain control over your cloud costs and minimize data movement
- Productized white labeling and token-based business operations layer to enable the bundling of analysis with another product or service
- Groundbreaking license models such as a pay-as-you-go per sample usage model with no up-front license fee and an affordable unlimited sample processing model with no data or throughput caps
- Sample centric metadata layer in addition to pipeline orchestration to connect wet and dry lab operations

What our customers are saying



Following a successful implementation of Basepair our internal response times are now 50% faster compared to when we had to manage all the analysis, deployment and scaling of workflows ourselves.”

**-Sombeet Sahu, Associate Director Bioinformatics,
Nkarta Therapeutics**

Additional Resources

- [Nkarta Case Study](#)
- [YouSeq Case Study](#)
- [Basepair Resources](#)
- [Kit Flyer](#)