

## Fact Sheet

# Empowering Government Agencies to Leverage Sensitive Data

## Empowering Government Organizations with Duality

Privacy requirements, security concerns, and siloed data sources impede defense and civilian agencies alike from sharing and collaborating on sensitive data needed to make critical decisions. The benefits of data-sharing – and the consequences of getting it wrong – are clear: collaboration saves time, money, and can even save lives.

Duality empowers government organizations to unlock the value of their sensitive data through secure and private collaboration. By operationalizing privacy enhancing technologies, Duality enables secure analysis, machine learning and AI on encrypted data – while complying with data privacy regulations and security requirements.

Our platform can be deployed in any environment and seamlessly integrates with legacy systems so you can rapidly set-up collaboration projects with partner organizations to unlock the value of your data and make mission-critical decisions faster.

## Case Studies

### Financial Crime Investigations



- **Problem:** Fraud investigators at financial institutions and law enforcement agencies needed to proactively prevent, detect, and investigate crimes while complying with data privacy laws and preventing tip offs
- **Solution:** The Duality Platform was used to deploy confidential searches on distributed data to learn about entities, accounts, and transactions – without exposing the search terms or results
- **Results:** Duality *generated results in minutes instead of weeks*, improved attribution and case building, and ensured regulatory compliance

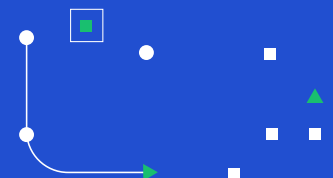
### Healthcare Research



- **Problem:** Cancer researchers at Dana Farber Cancer Institute needed to look for correlations between individuals' genes and cancer outcomes, but could not be exposed to sensitive health data and had to ensure the utmost degree of accuracy
- **Solution:** The Duality Platform was used to encrypt data from multiple sites, link it, and analyze it in aggregate – without exposing researchers to personal information
- **Results:** Duality *yielded results 30x faster* than alternative privacy protecting methods, while preserving accuracy

## Use Cases

1. **Transition to the cloud:** Protect sensitive data and models while moving to the cloud
2. **Accelerate and improve medical analysis:** Combine and analyze sensitive data across organizations - including personal health information (PHI)
3. **Conduct secure investigations:** Analyze external datasets while protecting your data assets
4. **Collaborate with allies to analyze cross-border data:** Derive insights from data without moving it from its country of origin



## How It Works



Join, link, and enrich encrypted datasets



Apply analytics, ML, and AI on encrypted and/or decentralized data



Leverage open-source and standardized encryption trusted by enterprises and the public sector



Access and analyze sensitive data in seconds, instead of weeks or months

## Differentiators

### Open-sourced, widely used, and vetted technology

Supporters and users include public and private sector organizations, and academia.

### Unique combination of Data Science, Applications, & Encryption

Duality has the largest privacy-protected data science library, which supports a variety of use cases.

### Industry leading performance and scalability

Duality's solutions can be deployed in any environment and ensure the utmost level of performance without sacrificing security.

### Regulatory and privacy compliance

Software complies with applicable privacy and functional regulations.

## Financial Crime Professionals

Duality has been designated by FinCEN as a 314(b) Association, meaning any registered financial institution may use Duality to collaborate on money laundering, terrorist financing, and predicate offenses

## Security and Compliance

Duality leverages the PALISADE Homomorphic Encryption Library. PALISADE is open-source and standards compliant, and solely utilizes post-quantum encryption. Our solutions adhere to and support Zero Trust Architecture principles.

## Get Started

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## Recognition

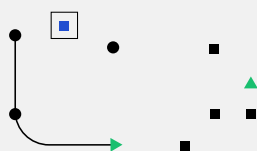


## Partners



## About Duality

Duality is the leader in privacy enhanced secure data collaboration, empowering organizations worldwide to maximize the value of their data without compromising on privacy or regulatory compliance. Founded and led by world-renowned cryptographers and data scientists, Duality operationalizes privacy enhancing technologies (PETs) to accelerate data insights by enabling analysis and AI on encrypted data, while preserving data privacy, compliance and protecting valuable IP. A Gartner Cool Vendor, Duality was recently named a Tech Pioneer 2021 by the World Economic Forum (WEF) and listed on Fast Company's 2020 Most Innovative Companies. For more information, visit [dualitytech.com](http://dualitytech.com) and follow us on [LinkedIn](https://www.linkedin.com/company/dualitytech) and [Twitter](https://twitter.com/dualitytech).



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