Duality

Maximize the value of your data and IP

Data sharing and privacy — an irreconcilable pair?

Collaborating on data, whether across geographies, teams, or different companies altogether, can be challenging. Organizational policies, data privacy laws, and confidentiality concerns stand in the way, making these efforts time-consuming, costly, and sometimes even seemingly impossible.

This state of affairs isn't tenable in our digital age. For businesses built on data, an inability to fully leverage data and analytics while preserving privacy stifles opportunities for growth, progress, and innovation.

Unlocking value with secure data collaboration

Reconciling data utility and privacy, Duality enables organizations to securely collaborate on data while preserving privacy, trust, and compliance. Advanced encryption protects sensitive data and valuable IP throughout the analytics lifecycle while enabling operations at scale.

The Duality SecurePlus® product suite opens up a world of possibilities – from monetizing data and IP, to building and enhancing models, improving business processes, or tapping new sources of revenue.

Analyze Cross-Border Data
Deploy encrypted models to analyze data that can't leave the country of origin.

Leverage Third-Party Analytics
Apply third-party analytics models on your sensitive data without exposing it.

Monetize Data and IP
Create new revenue sources by extracting value from your sensitive data and models.

Enhance Financial Crime and Compliance Investigations
Collaborate across countries, product lines, and institutions to improve investigation outcomes and lower costs.

Transition to the Cloud
Protect sensitive data and models while moving to the cloud.

Speed and Improve Research
Work with research and data science organizations to combine and analyze sensitive data across multiple locations.

How it works

Duality SecurePlus® products leverage homomorphic encryption, a privacy-enhancing technology that enables secure collaboration on data and analytics. This means that both sensitive data as well as advanced AI and machine learning models can be encrypted while remaining fully usable.

Designed for use both in the cloud and on-prem, SecurePlus is installed at each collaborating party's environment and enables users to share encrypted data and analytics with each other using several collaboration frameworks:

Secure Data Analysis

Encrypting data and running analytics on it

Secure Model Deployment

Encrypting models and deploying them on third party data

Secure Data Linkage

Encrypting one or more data sets, linking them, and analyzing them in aggregate

Secure Querying

Encrypting SQL-like queries and running them on a third-party database

GDPR and CCPA compliance

Duality provides end-to-end protection to Personally Identifiable Information (PII) during computations. As a result, using Duality, organizations can share and analyze such sensitive data with other parties while complying with GDPR, CCPA and other data privacy and protection laws.

About us

Duality was founded by world-renowned cryptographers and data science executives, including a Turing award winner, with a mission of delivering practical privacy-enhancing technologies to the market. Backed by Intel Capital, Hearst Ventures, and Team8, Duality Technologies addresses the rapidly growing need of enterprises across regulated industries to collaborate on sensitive data, making it possible for them to do so while complying with data privacy regulations and protecting their IP.

Partners and recognition

Scotiabank · intel · FAST COMPANY MOST INNOVATIVE COMPANIES 2020 · CDA CYBER DEFENCE ALLIANCE · DARPA · NIH · Homomorphic Encryption Standartization · Tel Aviv Sourasky Medical Center · Gartner COOL VENDOR 2019 · alpha Telefónica

Contact us

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