

Duality Technologies

NEWSLETTER



A note from Duality CEO and Co-Founder, Dr. Alon Kaufman

The first half of 2024 has been packed full with growing the business, feature developments, partnerships, and most importantly – evidence of the growing concern and search for privacy-protected workflows in AI and awareness of the solutions to accomplish them. Most notably, Apple announced two production uses of PETs: (1) its Apple Intelligence (AI) service is architected on an in-house solution utilizing confidential computing infrastructure (aka private compute, TEEs, Secure Enclaves) and (2) they will be [using FHE](#) for their Live Caller-ID Lookup feature.

The [Confidential Computing Summit](#) this June doubled in size as compared to 2023, and featured data scientists, CISOs, and digital transformation leaders in urgent pursuit of ways to unblock their development, adoption, and use of various types of AI while protecting data privacy, trade secrets, and the models themselves. One health life science organization presented their data challenges and what they need to accelerate their research and innovation. In short, data privacy is no longer a legal matter, but a non-negotiable factor for growth and innovation in today's data-driven economies.

For Duality, we've marked significant progress across our organization, from product to partnerships to go-to-market success and staffing: we are now the only solution on the market that can deliver sensitive workloads across trust domains while being post-quantum-secure. We've signed new contracts and extended others spanning government agencies, financial institutions, data service providers, AI vendors, and life science organizations with growing interest from supply chain management teams. We're growing! We've hired new engineers, cryptographers, sales account leads, channel management resources, and are extremely excited to announce our new UK advisory team later this month.

Even with the progress we've seen in the market and ourselves in the first half of this year, our commitment to expanding the awareness of market-viable solutions for responsible and secure data collaboration remains unshakable. We continue to have conversations with AI Architects, Security, and Digital Transformation leaders that often result in "we thought this was 1 to 2 years away." Given the speed at which AI is impacting the world, awareness and adoption of privacy-protected solutions is paramount not just for us as an organization, but as people in an increasingly digital world where privacy matters.

As Duality's CEO, I'm thrilled to witness the surge of interest in secure collaboration for AI and data science. The increasing adoption of clean-room capabilities by data platforms paves the way, for the very needed shift towards integrating privacy technologies, to enable trustworthy and confidential collaborative AI.

In today's landscape, where digital trust is increasingly concerning, particularly within the rapidly advancing AI space, Duality is becoming critical to unlocking collaboration for organizations and enterprises. Whether it's for safeguarding life-saving digital supply chains, combating crime, enhancing AI models, accelerating healthcare research, or defending empowering democracies, the need for secure collaboration is key.

Our recent work in federated learning for health and life sciences done in collaboration with the Dana-Farber Cancer Institute exemplifies this. We're seeing substantial interest from pharmaceutical companies, public health organizations, and research groups for our combined Federated Learning and Confidential Computing offering. Duality unlocks data for use and research by offering a seamless, confidential and private way for hospitals to participate in this significant work.

I'm tremendously proud of our team, from R&D to go-to-market, and deeply grateful to our partners and customers. Thank you for your continued trust and collaboration as we shape the future of secure and collaborative AI.

Welcome to our Q3 Newsletter

OnDemand Webinar

Accelerate AI Development and Monetization with Duality & AWS

Learn how to architect Secure AI in AWS with the seamless integration of AWS Nitro Enclaves and Duality's Privacy Protected AI Solution. Futureproof compliance, streamline and scale data operations & acquisition for model development, tuning, testing, and customization while protecting model IP and maintaining data protection.

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Case Study

Dana Farber Case Study: Federated Learning for Oncological Research

Led by Dr. Alexander Gusev, the oncological research team at Dana Farber Cancer Institute has been able to utilize advanced models against disparate datasets combining genomics with oncological data.

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Blog

World's First Quantum Secure Semantic Search

Duality's Zero Footprint Investigation & Intelligence solution has expanded support for semi- and unstructured data. While primarily used by government agencies for sensitive investigations, this capability holds great promise for health and life sciences organizations in identifying patients via CT scans, x-rays, or even semi-structured doctor's notes field.

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Use Case

Try Before You Buy: Run Models On Your Data Prior to Adopting

How do model providers deliver models to clients while protecting model IP? How do organizations protect and govern their data when fed into 3rd party models? Read about our fully-featured, secure, and private means to use artificial intelligence models of all types without exposing sensitive data sets to the model provider, and without the provider needing to expose sensitive model weights to model users or data owners.

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New Offer

No Meeting Evaluations

We get it. It's a lot of work to navigate a sleuth of new technologies and figure out which ones are right for you and which are available in market-ready solutions vs requiring in-house development. To help, we've created a short survey that can be completed in under 10 minutes that our Solutions team will use to provide a custom deployment diagram and solution (if any) while listing out the technologies that would be used. From there, you can answer our additional questions or have a good start to understanding what you should be looking for.

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