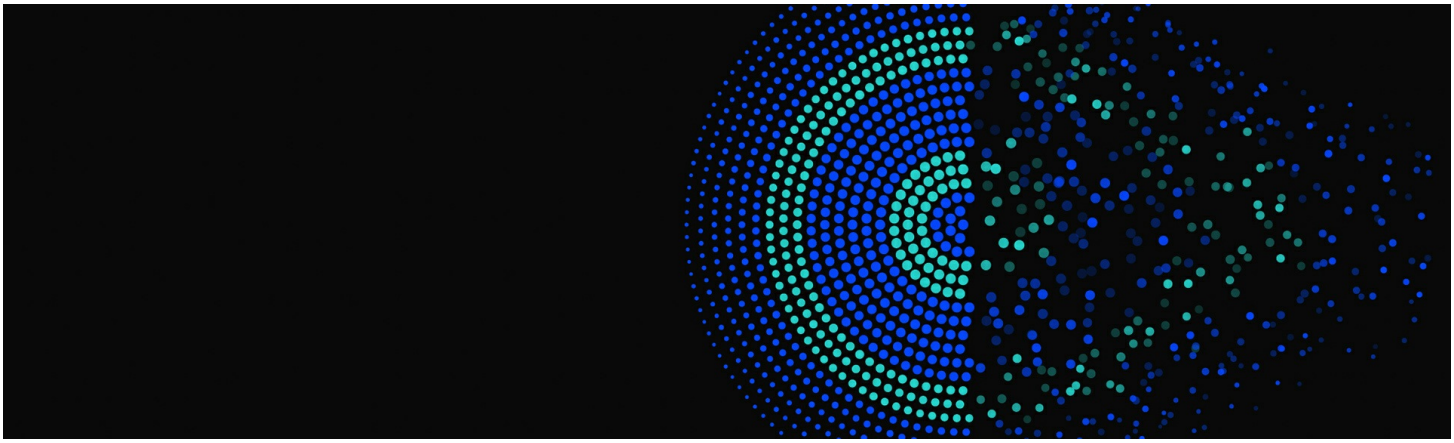
IBM Newsroom

IBM and Raytheon Technologies to Collaborate on Artificial Intelligence, Cryptography and Quantum Technologies

Strategic collaboration to advance new aerospace, defense and intelligence solutions



ARMONK, N.Y., Oct. 11, 2021 /PRNewswire/ -- IBM (NYSE:IBM) and Raytheon Technologies (NYSE: RTX) will jointly develop advanced artificial intelligence, cryptographic and quantum solutions for the aerospace, defense and intelligence industries, including the federal government, as part of a strategic collaboration agreement the companies announced today.

Artificial intelligence and quantum technologies give aerospace and government customers the ability to design systems more quickly, better secure their communications networks and improve decision-making processes. By combining IBM's breakthrough commercial research with Raytheon Technologies' own research, plus aerospace and defense expertise, the companies will be able to crack once-unsolvable challenges.

"The rapid advancement of quantum computing and its exponential capabilities has spawned one of the greatest technological races in recent history – one that demands unprecedented agility and speed," said Dario Gil, senior vice president, IBM, and director of Research. "Our new collaboration with Raytheon Technologies will be a catalyst in advancing these state-of-the-art technologies – combining their expertise in aerospace, defense and intelligence with IBM's next-generation technologies to make discovery faster, and the scope of that discovery larger than ever."

In addition to artificial intelligence and quantum, the companies will jointly research and develop advanced cryptographic technologies that lie at the heart of some of the toughest problems faced by the aerospace industry and government agencies.

"Take something as fundamental as encrypted communications," saidMark E. Russell, Raytheon Technologies chief technology officer. "As computing and quantum technologies advance, existing cybersecurity and cryptography methods are at risk of becoming vulnerable. IBM and Raytheon Technologies will now be able to collaboratively help customers maintain secure communications and defend their networks better than previously possible."

The companies are building a technical collaboration team to quickly insert IBM's commercial technologies into active aerospace, defense and intelligence programs. The same team will also identify promising technologies for jointly developing long-term system solutions by investing research dollars and talent.

About IBM

IBM is a leading global hybrid cloud and AI, and business services provider, helping clients in more than 175 countries capitalize on insights from their data, streamline business processes, reduce costs and gain the competitive edge in their industries. Nearly 3,000 government and corporate entities in critical infrastructure areas such as financial services, telecommunications and healthcare rely on IBM's hybrid cloud platform and Red Hat OpenShift to affect their digital transformations quickly, efficiently, and securely. IBM's breakthrough innovations in AI, quantum computing, industry-specific cloud solutions and business services deliver open and flexible options to our clients. All of this is backed by IBM's commitment to trust, transparency, responsibility, inclusivity, and service. For more information, visit www.ibm.com

About Raytheon Technologies

Raytheon Technologies Corporation is an aerospace and defense company that provides advanced systems and services for commercial, military and government customers worldwide. With four industry-leading businesses — Collins Aerospace Systems, Pratt & Whitney, Raytheon Intelligence & Space and Raytheon Missiles & Defense — the company delivers solutions that push the boundaries in avionics, cybersecurity, directed energy, electric propulsion, hypersonics, and quantum physics. The company, formed in 2020 through the combination of Raytheon Company and the United Technologies Corporation aerospace businesses, is headquartered in Waltham, Massachusetts.

Media contacts

IBM

Banks Willis

202.577.5847

Banks.willis@ibm.com

Raytheon Technologies

Chris Johnson
202.384.2474
corporatepr@rtx.com

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