

T-Systems to Offer Quantum Computing Expertise and Access to IBM Quantum Computational Resources

T-Systems offerings range from one-day introductory sessions to business-case proofs-of-concept over several months

As part of the IBM Quantum Network, T-Systems to provide customers with cloud access to IBM quantum computers



T-Systems will now have the ability to provide its customers with cloud access to IBM's quantum systems, including multiple quantum computers powered by the 127-qubit IBM Eagle processor. Quantum computing aims to enable calculations that are beyond the means of even the world's most advanced classical supercomputers. This announcement sees the Deutsche Telekom IT subsidiary embark on the path to providing access to this technology, as well as insights on how it can be applicable to its customers' businesses. In addition, T-Systems will offer dedicated quantum know-how and training.

Customers will have access to T-Systems quantum services tailored to their needs, in a set of different customizable packages. These range from one-day introductory sessions, through to business case proofs-of-concept over several months. The use of IBM Quantum computational resources over the cloud — including Qiskit Runtime, which allows for the optimization and efficient execution of workloads on quantum systems at scale — together with T-Systems' services, will lower the barrier to quantum computing. This will allow T-Systems to develop and test customers' use-cases and prepare them for a future with quantum computing. T-Systems aims to host its own quantum infrastructure in the future, assisted by IBM.

Accelerating progress towards tomorrow's solutions

Quantum computing is a rapidly emerging technology that harnesses the laws of quantum mechanics to solve problems that today's most powerful supercomputers cannot practically solve.

By integrating quantum computing into their portfolio, T-Systems aims to further leverage their leadership position in advisory, cloud services and digital solutions beyond the local markets in key focus industries. The ultimate goal is to provide clients with a seamless experience, incorporated into their cloud landscape, as they look to uncover the potential of quantum computing for their businesses.

“Quantum computing will be central to tomorrow’s IT landscape. We are combining quantum and classical computing in a seamless and scalable customer experience.” states Adel Al-Saleh, Deutsche Telekom board member and Chief Executive of T-Systems. “Taking these first decisive steps will lower the access barrier to quantum computing.” IBM has an established track record in quantum computing leadership. The company offers the world’s largest fleet of quantum computers, accessible over the cloud. Al-Saleh continues: “In IBM, we have a trusted partner to deliver this future technology. It is a perfect match for our industry focus and expertise.”

“Organizations around the world are beginning to explore how quantum computing will impact their industry and business. By partnering with T-Systems as a cloud provider, we will be able to offer access to quantum technology to an even broader ecosystem. Our team at IBM is excited to support T-Systems’ and their customers’ exploration of, and aspirations for quantum applications for their business operations,” says Scott Crowder, Vice President, IBM Quantum Adoption and Business Development.

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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 3,800 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 transformation.

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