Grapevine World
EXCHANGING HEALTH DATA SECURELY

According to the European Parliament, patients should have the right of access to their personal data. But still very few citizens have the right to check and manage their digital health data. One reason is the proprietary solutions that hamper and prevent the global exchange of data.

Grapevine World is an ecosystem for networking in healthcare. The system ensures that health data can be exchanged via a uniform standard. For this purpose, the company relies on the IHE standard supported by the EU, which is already being used successfully worldwide in medical IT infrastructures.

With the help of the Open Telekom Cloud, Grapevine World is building a marketplace for healthcare services. For example, users of fitness watches can allow their data to be input and evaluated. Or research institutions can query the health data of patients with chronic illnesses. These patients can make their anonymized data available for the further development of treatment methods with their consent on a case-by-case basis.

AT A GLANCE

The Task: Grapevine World needs providers with whom the Austrian company can further develop a backbone for the exchange of personal health data and secure control of a blockchain. Grapevine World has also established a marketplace for health services.

The Solution: With Telekom and the Open Telekom Cloud, Grapevine World has a provider that both enables secure access to health data and provides a secure public cloud for the marketplace. The software and services are operated with the help of the Open Telekom Cloud.

The Advantages: The Open Telekom Cloud is highly scalable. Telekom's twin-core data center guarantees data security at the highest level, is highly available and meets current data protection requirements. Grapevine World also receives technical and marketing support as a partner in Deutsche Telekom's SoftwareBoost program.

LIFE IS FOR SHARING.

THE CUSTOMER: GRAPEVINE WORLD

Grapevine World is an Austrian company with two divisions: marketplace and backbone. The company has set itself the goal of the global, standardized exchange of data in the healthcare sector and already has a long record of success. Based on internationally established IHE standards, Grapevine World networks all the participants in the healthcare sector and creates a new health economy that improves healthcare worldwide.

THE CHALLENGE

While almost every industry is digitalizing its processes and optimizing data exchange between process participants, the healthcare industry continues to discuss the risks of accessing personal health data. In addition, a proprietary solution landscape makes the exchange of digital data more difficult. Hospitals use different data formats and interfaces than doctors in private practice. And patients have virtually no access to their own patient information. It is only with great effort that researchers can obtain examination data, which would facilitate the further development of treatment methods and medication. Both the World Health Organization (WHO) and the EU see an urgent need to facilitate the exchange of health data.

THE SOLUTION

Grapevine World facilitates the exchange of health data and provides access to health services. Grapevine World is developing an international network (backbone) for access to health data distributed worldwide. Its partner in Germany is Deutsche Telekom. Data interoperability is guaranteed by the standard for data exchange developed by the „Integrating the Healthcare Enterprise (IHE)" initiative. „We ensure interoperability by integrating only IHE-approved vendors and allowing only IHE-based applications and architectures," says Grapevine World CEO Martin Tiani. A blockchain logs where and when data is accessed. The health data itself is not stored in the blockchain.

The marketplace for healthcare services is operated in the Open Telekom Cloud. The services provided from the twin-core data center are highly secure and meet data protection requirements for handling health data.

Grapevine World Managing Director Martin Tiani: The company has set itself the goal of the global, standardized exchange of data in the healthcare sector.

THE CUSTOMER BENEFITS

Grapevine World itself as well as the healthcare system and patients benefit from the solutions. The Open Telekom Cloud thus meets the highest security requirements and data protection according to current standards. The computing and storage capacities used in the Open Telekom Cloud are scalable and can grow as required, no matter when and how many new services and users are added.

The IHE standard guarantees the interoperability of health data. The patients themselves can access their data anytime and anywhere. They decide to whom and for what purposes they share their data by giving their express consent on a case-by-case basis – while their privacy is respected through complete data anonymization. If, for example, they make their data available for research purposes, companies can reward them with tokens, virtual vouchers, via the blockchain. This gives healthcare organizations, universities, pharmaceutical companies or medical device manufacturers access to huge amounts of previously inaccessible data.

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