®

OTARIS

Your partner for blockchain technologies

OTARIS Interactive Services GmbH is a service provider specialized in development and consulting of individual software, IT security, quality management and testing. As an independent consulting company we support our customers in optimizing business processes, testing and evaluation of mobile and distributed solutions, services, infrastructures, and hardware.

Intelligent, networked terminals and devices enable a high degree of autonomy and interaction with each other. Blockchain technologies significantly contribute to business transactions between distributed devices. Efficiency improvement and trust building are key factors for your blockchain application. One success factor in our implementations of block chain applications is the systematic consideration of IT security and data protection aspects right from the start. We consistently use security and privacy by design methods in all projects.

OTARIS is engaged in research and development in the field of distributed ledger technologies, and offers consulting for different blockchain frameworks like Hyperledger®, Ethereum® and Corda®, as well as the implementation of customer specific blockchain applications in close cooperation with the customer. OTARIS Interactive Services GmbH takes you by the hand and leads you to your very own solution.

OTARIS represents the Federal Association IT Security e.V. (TeleTrusT) as regional office in Bremen.
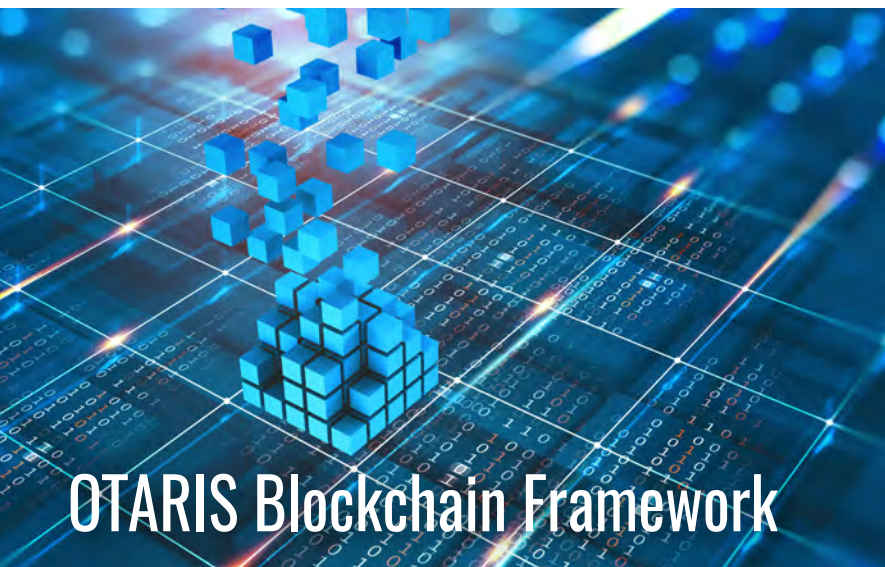
Supply Chain   Smart Contracts   Industrial IoT   Cyber Security   Digital Identity

OTARIS

Hyperledger® is an open source community, hosted by The Linux Foundation®, and provides a suite of tools, frameworks, and libraries for custom blockchain deployments. More than 250 member companies including global players in finance, banking, Internet of Things (IoT), supply chains, manufacturing, and technology value multiple advantages of blockchain networks. The distributed character offers more information security. Voluntary provision ensures privacy while providing transparency with smart contracts. Cooperation processes between companies, and/or public authorities can be simplified with the blockchain technology.

Hyperledger® Fabric is a permissioned blockchain infrastructure and supports own membership services with secure X.509 certificates. It offers a unique approach to establishing a consensus inside the blockchain that enables high performance while preserving privacy requirements.

Hyperledger® Fabric

OTARIS Blockchain Framework

The open source framework of OTARIS is built on Hyperledger® Fabric as part of NutriSafe. The joint project NutriSafe is supported by the Federal Ministry of Education and Research (BMBF). Customer requirements are as unique as domain-based specifications can be. Our Framework provides a highly flexible and yet easy to use REST interface — for your new custom application, or for extending your existing system. Define and change dynamically all attributes that you might want to store of your product and have full control on who can see the information. It has never been easier to use modern blockchain technologies.

Benefit from all blockchain advantages, like security, resilience, privacy, and transparency. Profit from digitalisation and automation in your company while always having an eye on your supply chain and products. Join the future today.

OTARIS Interactive Services GmbH cooperates in NutriSafe with Universities, public authorities and other companies from Germany and Austria. We develop technologies, data models, service architectures, business processes and business models based on blockchain technology to make food production and logistics more resilient.

Together with the Bundeswehr University Munich we have implemented several applications using our blockchain framework for a complex supply chain scenario. The food industry is a diverse area with many different product specifications and a particular interest in tracing products (e.g. in case of contamination). By using our framework, a food company can map all their products to virtual blockchain objects and extend the model during runtime. All results are part of the free, publicly available NutriSafe toolkit.

Reference Implementation

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