European Blockchain Partnership

The European Blockchain Partnership (EBP) was launched in 2018 with the objective to develop and deploy the European Blockchain Services Infrastructure (EBSI). This initiative leverages blockchain technology to create a more transparent, secure, and efficient way of managing and verifying information. The EBSI infrastructure may have various applications, including cross-border services, public administrations, businesses, and citizens, ensuring that data integrity and trust are maintained throughout the process.

EBSI's architecture is built on a network of distributed nodes across Europe, making it the first EU-wide blockchain infrastructure driven by the public sector. This decentralised approach ensures that there is no single point of failure, enhancing the robustness and reliability of the system. The core components of EBSI include APIs, smart contracts, and a decentralised ledger, which work together to facilitate trusted transactions and data exchanges. These elements enable various use cases, such as verifiable credentials, trusted data exchange, and track and trace, which can be applied in multiple domains like education, social security, and anti-counterfeiting. You can find more details on EBSI and its ecosystem (https://ec.europa.eu/digital-building-blocks/sites/display/EBSI/What+is+ebsi).

Building up on the EBP and work already done for EBSI, the EUROPEUM-EDIC (https://digital-strategy.ec.europa.eu/en/news/blockchain-creation-europeum-edic) was established in May 2024, as a new legal entity formed by a consortium of nine Member States, to enhance cooperation on blockchain and Web3 technologies. This initiative aims makes use of the EBSI infrastructure to deliver EU-wide cross-border public services, reinforcing trust and cyber resilience in line with EU regulations, including the European Digital Identity framework. The EUROPEUM-EDIC will promote innovation and interoperability of decentralised technologies, supporting cross-border collaboration among public authorities. Check the latest updates on the EUROPEUM-EDIC (https://ec.europa.eu/digital-building-blocks/sites/display/EBSI/The+EUROPEUM-EDICs+latest+updates).

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