

Recommendation

ITU-T Y.4492 (11/2023)

SERIES Y: Global information infrastructure, Internet protocol aspects, next-generation networks, Internet of Things and smart cities

Internet of things and smart cities and communities –
Frameworks, architectures and protocols

Decentralized Internet of things communication architecture based on information-centric networking and blockchain

ITU-T Y-SERIES RECOMMENDATIONS

Global information infrastructure, Internet protocol aspects, next-generation networks, Internet of things and smart cities

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Recommendation ITU-T Y.4492

Decentralized Internet of things communication architecture based on information-centric networking and blockchain

Summary

Recommendation ITU-T Y.4492 gives an overview of decentralized Internet of things (IoT) communication and its requirements. Recommendation ITU-T Y.4492 also includes the functional architecture of decentralized IoT communication based on information-centric networking (ICN) and blockchain, and an implementation view of decentralized IoT communication architecture based on ICN and blockchain.

History *

Edition	Recommendation	Approval	Study Group	Unique ID
1.0	ITU-T Y.4492	2023-11-29	20	11.1002/1000/15686

Keywords

Blockchain, information-centric networking, Internet of things, named data object.

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