What is Beckn?

A set of open microservices specifications for enabling transactions in digital commerce. Beckn is designed to be interoperable across different sectors and technologies.

Design of Beckn

The design of Beckn is inspired by the key design philosophy of the Internet:

- Openness
- Self-governance
- Distributed control
- End-to-end networking
- No centralised intelligence
- Differentiated services
- No central authority
- No centralised data
- No centralised intelligence

A key feature of the architecture is a set of independent peer-to-peer nodes (called Beckn Gateway, see “Beckn Ecosystem”) allowing redundancy as the demand side and supply side digital interfaces and systems exchanging and interacting with each other similar to how such end-points on the Web interact.

Being a protocol, Beckn is a set of recommendations and rules that outline the distribution of services and information over a network, and are not tied to a specific technology or implementation. These specifications can be extended into sector-specific applications like mobility, delivery, etc. allowing Beckn to act as a transaction protocol in a market among its participants to enable open interoperable interactions.

Design features of Beckn

- A key feature of the architecture is a set of independent peer-to-peer nodes (called Beckn Gateway, see “Beckn Ecosystem”) allowing redundancy.
- Openness: Differentiated services are provided without a central authority.
- Self-governance.
- Distributed control.
- End-to-end networking.
- No centralised intelligence.
- No centralised data.
- No centralised intelligence.

Beckn in a nutshell

Beckn is not a platform or an app. It’s an open protocol specification, that allows fair and equitable transactions in digital commerce like ‘select an item from menu’, ‘place an order’ with another seller (consumers and providers in the digital marketplace).

Creating open playgrounds

The market ecosystem of consumers and providers can be on the Beckn open network as end-beneficiaries with each of them implementing their end of the Beckn ecosystem.

Users

Today as much as the web is an open infrastructure, the economy on the web is not. Beckn is an endeavour to create an open network economy that doesn’t centralise any intelligence or control and offers ease of doing business for providers of goods and services on the one hand and offers opportunities for consumers, governments, and businesses to unlock markets by enabling direct interactions among them while leveraging the power of the internet and the web.

Beckn allows consumers, governments, and business to unlock markets by enabling direct interactions among them while leveraging the power of the internet and the web.

Beckn aims to be a key feature of the architecture.

Beckn as an easy-to-adopt open digital commerce packet communication infrastructure.

Beckn allows consumers, governments, and business to unlock markets by enabling direct interactions among them while leveraging the power of the internet and the web.

Beckn is an open digital infrastructure that allows creation of an unbundled and decentralised digital market more like the Web itself and the underlying computer anywhere on the internet by exchanging open, standardised, and lightweight service requests and responses. It is a common way that allows basic interoperability of the services and information over a network, and are not tied to a specific technology or implementation.

Beckn brings an ecosystem of market participants together with a set of APIs to exchange open, standardised, and lightweight service requests and responses. These specifications can be extended into sector-specific applications like mobility, delivery, etc.

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