

Vishvasya-Blockchain Technology Stack

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About Vishvasya-Blockchain Technology Stack:

- It is designed to offer **Blockchain-as-a-Service (BaaS)** with a **geographically distributed** setup to support a range of permissioned blockchain applications.
- The stack is **hosted across NIC Data Centers** in Bhubaneswar, Pune, and Hyderabad, ensuring robust and scalable service delivery.
- The government also introduced the **NBFLite-Lightweight Blockchain Platform** and **Praamaanik**, a blockchain-enabled solution for verifying the origin of mobile apps.
- **Application:** The Government also unveiled a suite of applications of the Vishvasya BaaS.
 - e-Stamps Solution, Judiciary Application, IPS officers service level training record management, Forensic Application
 - Praamaanik – verification of mobile app authenticity

- Consent Management Framework
- **IoT** Device Security Management
- Cotton bale identification and tracking
- Domicile Certificate Chain
- Document Chain (Caste Certificate chain etc)

What is the National Blockchain Framework?

- The National Blockchain Framework (NBF) has been initiated with the vision of creating **reliable digital platforms**.
 - The NBF is built on a distributed infrastructure and includes key components such as Distributed Infrastructure, Core Framework Functionality, Smart Contracts & API Gateway, and Security, Privacy & Interoperability.
 - The framework currently **supports two permissioned blockchain platforms** and is designed to be extensible
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Q1: What is Blockchain?

Blockchain is also known as Distributed Ledger Technology (DLT), is an emerging technology that facilitates the conversion of currency and various assets into digital formats for storage and management. It enables the recording and distribution of digital information, serving as an immutable ledger of transactions that cannot be altered, deleted, or erased.

Source: [Govt introduces Vishvasya-Blockchain Technology Stack. Know all about it](#)

Source: <https://vajiramandravi.com/current-affairs/vishvasya-blockchain-technology-stack/>

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