



# **Enterprise Blockchain State of the Market 2020 – Rise of the Network Resource Planner (NRP)**

Digital Services

State of the Market Report – June 2020: Complementary Abstract / Table of Contents

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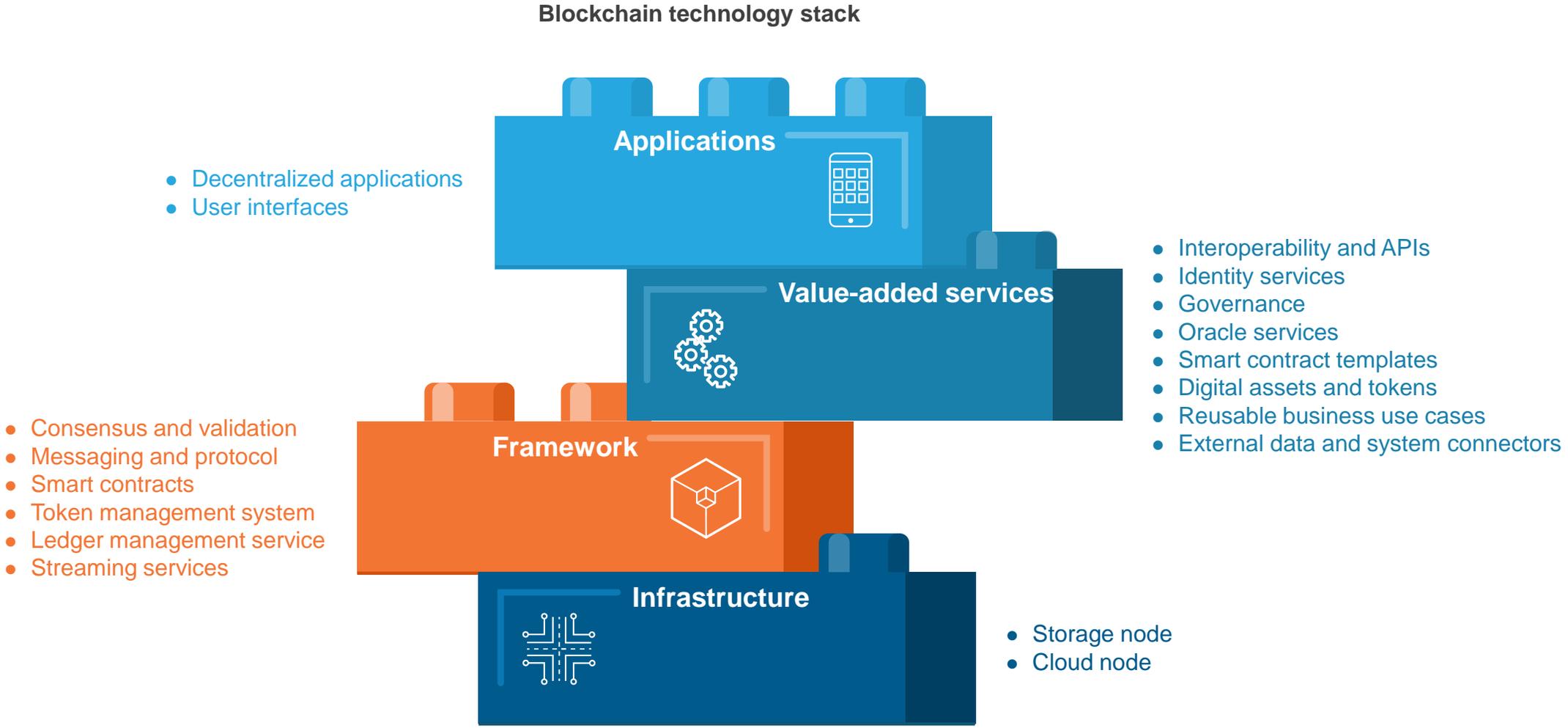
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# Everest Group's definition of blockchain technology stack



# Background and methodology

Blockchain technology is signaling enterprise readiness and moving beyond the hype phase, where it had captured the attention of visionaries, technologists, governments, and enterprises alike. Blockchain has witnessed widespread adoption across industries, with projects moving from Proof of Concepts (POCs) to deployment stages.

Enterprise blockchain technology has presented an opportunity to reinvent the services delivery model. Given the nature of technology, it demands an ecosystem play, and thus the role of orchestration of business outcomes enabled by digital levers (including blockchain) becomes more prominent.

As interest from BigTech firms increases, the market is witnessing rise of managed blockchain platform solutions and specialized networks that assist enterprises to address abstract technology challenges and focus on business outcomes and monetization.

In this report, we explore the state of the blockchain market, impact of the pandemic, and how enterprise can solve some of the business challenges associated with blockchain adoption. This report explores the evolution of blockchain solutions into business networks and the elements needed to successfully create blockchain-enabled networks.

## Scope of this report



### Industry

All industries witnessing blockchain implementation have been covered in this report



### Market segment

Blockchain services



### Geography

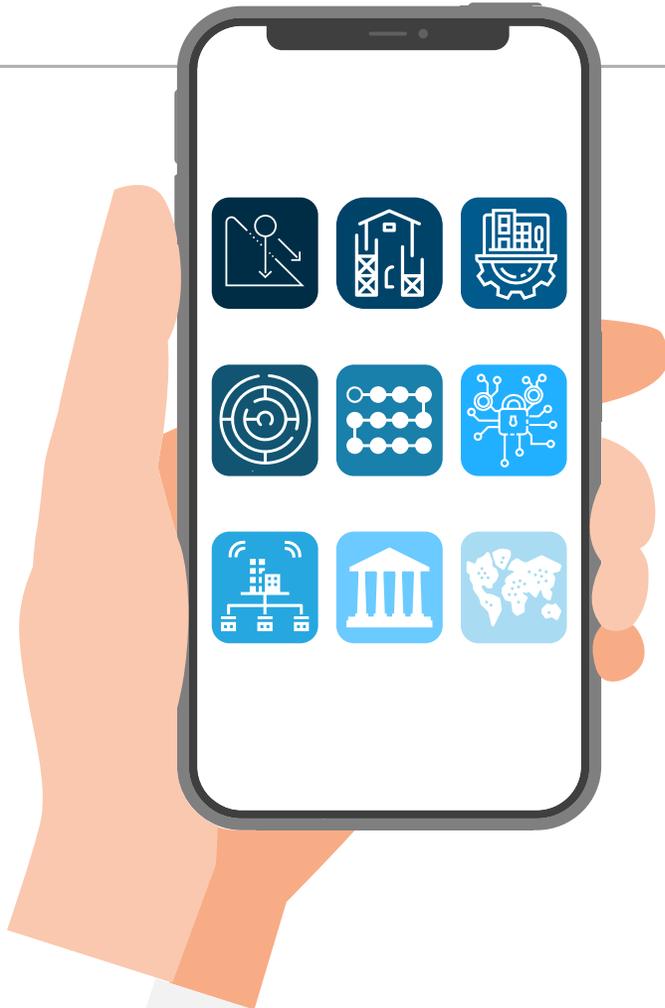
Global



### Sources

- Operational capability of 30+ blockchain service providers updated through Request for Information (RFI), Everest Group proprietary service provider intelligence database, enterprise discussions, and public disclosures
- Independent Software Vendors' (ISVs) demonstration of capabilities through briefings and discussions
- Discussions with open-source consortia
- Interactions with service providers' and ISVs' clients

# Summary of key messages



Friction in inter- and intra- industry/enterprise workflows provide potential for blockchain adoption

Industries can gain true value by reimagining boundaries of each workflow for a shared network

The rise of enterprise-grade technology is rapidly maturing blockchain to be ready for the vision of industry networks

The challenge lies in getting industry participants to align to this shared future vision

Enterprises need help in their journey to handle the complexity of technology and change management

Blockchain solutions are triggering the next wave of ERP solutions built for collaborative network resource planning

Building blockchain-enabled resilient industry networks is a business change management issue vs. a technology one

Government-backed citizen services, life sciences, and global trade and payment networks are seeing early traction

The pandemic is making enterprises rethink the business case and accelerating the operating model innovation

# This study explores the blockchain networks and how enterprises can solve business challenges around adoption; below are four charts that illustrate the depth of the report

## Chasm between POCs and production deployments

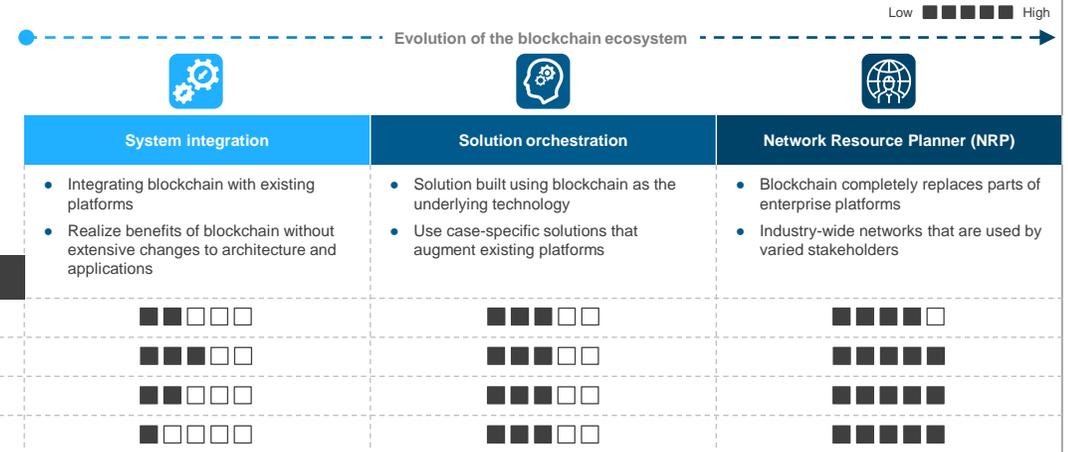


79% Projects have completed pilot/POC phase<sup>1</sup>



7% Projects have been deployed to production<sup>1</sup>

## Evolution of the blockchain and rise of the Network Resource Planner (NRP)



## Assessment of key industry networks powered by blockchain

■ High ■ Moderate ■ Limited

Defines the meaning of color coding of icons mentioned below. For example, Competitive intensity is high, while Standardizations have limited activity

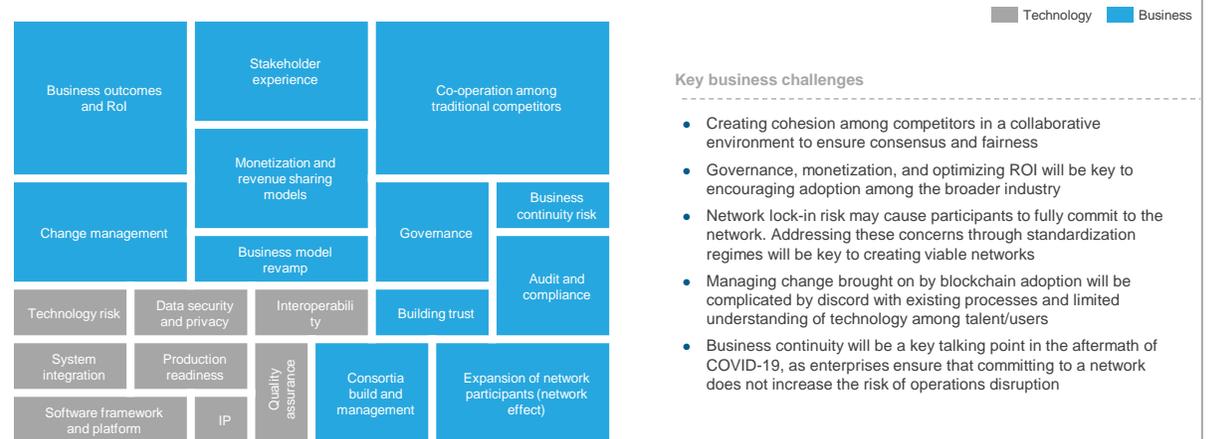
### Agro-commodities network

A track-and-trace network that informs users of the product's supply chain lineage, while also serving as a quality control mechanism against tampering, contamination, or counterfeiting

Defines the name of blockchain network along with a short description

Encapsulated use cases	Quality compliance, origin tracing, and tamper detection <i>Defines the names of popular blockchain use cases within this network</i>	Notable networks	IBM Food Trust, GrainChain, and Agrocorp <i>Names of popular blockchain networks currently in the market</i>		
Federal tailwinds	Regulatory barriers	Standardizations	Competitive intensity	Financial distress due to pandemic	Recessionary impact
<i>Measures the support such networks have from state and federal legislature</i>	<i>Measures the amount of regulatory hurdles to be overcome for fruition</i>	<i>Assesses the standardizations available in the market for such networks</i>	<i>Portrays the level of competition currently present for such a network</i>	<i>Measures the immediate cashflow-related stress put on the participants of such networks</i>	<i>Assesses the long-term recessionary impact of COVID-19 on such networks</i>

## Imperative to solve business challenges of blockchain networks



# Research calendar – Digital Services

■ Published ■ Planned □ Current release

## Flagship Digital Services reports

Release date

Digital Services – Market Report 2019: Moving from Digital Readiness to Effectiveness .....	June 2019
Digital Interactive Services PEAK Matrix™ Assessment and Market Trends 2019 .....	November 2019
Blockchain Services PEAK Matrix™ Assessment 2020 .....	December 2019
Internet of Things (IoT) Services PEAK Matrix® Assessment 2020 .....	April 2020
<b>Enterprise Blockchain State of the Market 2020 – Rise of the Network Resource Planner (NRP) .....</b>	<b>June 2020</b>
IoT Services PEAK Matrix® Assessment 2020 – Service Provider Compendium .....	Q2 2020
Digital Services – Market Report 2020 .....	Q2 2020
State of the Market – IoT Services .....	Q2 2020

## Thematic Digital Services reports

BigTech Battle: Leading Internet of Things (IoT) Platforms Assessment – A Selection Guide .....	October 2018
Customer Experience Trailblazers – Experience Spearheading the Digital Economy .....	February 2019
BigTech Battle: Digital Experience Platforms Assessment – Rise of the Digital Experience Platform .....	June 2019
AI Masterclass   Recalibrate Your AI Impact – Insights From 230 AI Use Cases Across Industries .....	October 2019
Experience Design .....	Q2 2020
BigTech Battle: Enterprise Data Platforms .....	Q3 2020
Making IT-OT Integration Work .....	Q3 2020

Note: For a list of all our published DS reports, please refer to our [website page](#)

# Additional Digital Services research references

The following documents are recommended for additional insight into the topic covered in this report. The recommended documents either provide additional details or complementary content that may be of interest

- 1. BigTech Battle: Assessing Enterprise Readiness of Blockchain Frameworks – Protocols of the Decentralized Ecosystem** ([EGR-2020-33-R-3583](#)); 2020. In recent years, open source blockchain frameworks have exploded in popularity as enterprises, large and small, look to explore and adopt the technology. Open source frameworks have driven most of the adoption among enterprises, even as managed platforms continue to take a foothold in the market. This report is focused on the blockchain frameworks landscape and assesses 13 frameworks on their capabilities, enterprise readiness, and potential impact. This report intends to also demystify the blockchain framework landscape and provide an outlook of the industry
- 2. Enterprise Blockchain Services PEAK Matrix™ Assessment 2020: Getting the Economics of Consensus Right** ([EGR-2019-33-R-3461](#)); 2019. The recent surge in blockchain adoption has created a unique market for service providers. Many leading service providers are adopting a platform approach of building proprietary industry-centric offerings. In this research, we assess the vision & capability and market impact generated by 30 service providers for enterprise blockchain services capabilities. These providers were mapped on the Everest Group PEAK Matrix™, which is a composite index of a range of distinct metrics related to each provider's vision & capability and market impact to identify Leaders, Major Contenders, and Aspirants
- 3. BigTech Battle: Assessing Managed Blockchain Platform Readiness for Enterprise Use – Gearing Up for the Adoption Wave** ([EGR-2019-33-R-3433](#)); 2019. The predominant means of adopting blockchain for many enterprises is open source blockchain frameworks, while many are considering managed blockchain platforms in search of a mature and deployment-ready solution that is easy to adopt, maintain, and manage. This report is an assessment of 12 such platforms to understand their readiness for enterprise use
- 4. Enterprise Guidebook for Blockchain Adoption: A Compilation of Insights from 320+ Blockchain Projects** ([EGR-2019-33-R-3095](#)); 2019. In this research, we analyzed 320+ blockchain case studies to understand the blockchain adoption journey for leaders across industries. We also identified more than 90 use cases across 10+ industries offering proof points of blockchain adoption. This report also provides a roadmap for blockchain adoption to enterprise executives leading blockchain initiatives, helping them to extract the maximum impact by studying the value currently being delivered and building pragmatic hypotheses on potential value

For more information on this and other research published by Everest Group, please contact us:

**Ronak Doshi**, Vice President:

[ronak.doshi@everestgrp.com](mailto:ronak.doshi@everestgrp.com)

**Suseel Menon**, Analyst:

[Suseel.Menon@everestgrp.com](mailto:Suseel.Menon@everestgrp.com)

Website: [www.everestgrp.com](http://www.everestgrp.com) | Phone: +1-214-451-3000 | Email: [info@everestgrp.com](mailto:info@everestgrp.com)



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### Dallas (Headquarters)

info@everestgrp.com  
+1-214-451-3000

### Bangalore

india@everestgrp.com  
+91-80-61463500

### Delhi

india@everestgrp.com  
+91-124-496-1000

### London

unitedkingdom@everestgrp.com  
+44-207-129-1318

### New York

info@everestgrp.com  
+1-646-805-4000

### Toronto

canada@everestgrp.com  
+1-416-388-6765

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