Everest Group - Assessment of Managed Blockchain Platform Readiness for Enterprise Use

Focus on Oracle
March 2020
Introduction and scope

Enterprises are betting big on blockchain technology and are actively looking for easy ways to understand, prototype, and deploy blockchain-based solutions. Although open source blockchain frameworks have exploded in popularity in recent years, many enterprises today are looking for mature and deployment-ready solutions that are easy to adopt, maintain, and manage, presenting an interesting market opportunity for vendors to build service-focused platforms on top of such frameworks.

Everest Group recently released its report titled “BigTech Battle: Assessing Managed Blockchain Platform Readiness for Enterprise Use – Gearing Up for the Adoption Wave.” This report analyzes the changing dynamics of the managed blockchain platforms landscape and vendors across several key dimensions.

As a part of this report, Everest Group classified 12 vendors into Leaders, Visionaries, Niche providers and Nascent providers for their managed blockchain platform readiness for enterprise use.

Based on the analysis, Oracle emerged as a Leader. This document focuses on Oracle’s managed blockchain platform experience and capabilities and includes:

- Oracle’s position in the assessment of managed blockchain platform readiness for enterprise use
- Detailed managed blockchain platform profile of Oracle

Buyers can use the BigTech Battle assessment to identify and evaluate different managed blockchain platform vendors. It helps them understand the vendors’ relative strengths and gaps. However, it is also important to note that while this assessment is a useful starting point, the results from the assessment may not be directly prescriptive for each buyer. Buyers will have to consider their unique situation and requirements, and match them against vendors’ capability for an ideal fit.

Source: Everest Group (2020) unless cited otherwise
Assessment of Managed Blockchain Platform Readiness for Enterprise Use

Enterprise readiness assessment of managed blockchain platforms based on capability maturity and market adoption 2020

Note: Assessment for Microsoft Azure, Amazon Web Services, Alibaba Cloud, SAP, HPE, and VMware excludes platform vendor inputs, and is based on Everest Group’s proprietary database, public disclosures, and interactions with enterprises and blockchain system integrators. For these companies, Everest Group’s data for assessment may be less complete.

Source: Public disclosures, Everest Group (2020)
# Oracle Leader

## Blockchain solutions: Oracle Blockchain Platform (OBP)

**Underlying frameworks**
- Hyperledger Fabric

**SI partners**
- Deloitte
- Infosys
- Tech Mahindra
- Accenture
- PwC

**Key features**
- Pre-assembled BaaS and on-premise versions
- Plug-and-play integrations and REST APIs
- Built-in data streaming
- Transportation and logistics visibility and tracking
- Extended security and access control
- Sustainable sourcing

**Key use cases**
- Payments and settlements
- Supply chain provenance
- Transportation and logistics visibility and tracking
- Sustainable sourcing

**Top 3 geographies**
- Europe
- APAC
- Middle East and Africa

**Top 3 industries**
- Financial services
- Supply Chain
- Manufacturing

**Major clients (illustrative)**
- Certified Origins, Volvo/CATL, Circulor, CDEL, CargoSmart/GSBN, Schneider Electric

**Tools/IP and solutions**

- **Oracle Intelligent Track and Trace**
  - A pre-built SaaS blockchain application that uses OBP PaaS to track and trace supply chain documentation and product transactions by integrating data feeds from Oracle SaaS ERP/SCM applications as well as third party cloud or on-premise applications

- **Product Lineage and Provenance**
  - A SaaS solution that verifies the origin and authenticity of a product as it moves throughout the value chain and automatically captures information about all product transformations including pedigree, serialization, and genealogy

- **Oracle Database Blockchain Tables**
  - A new type of table available in Oracle Database 20c with insert-only, cryptographically linked rows and optional public key infrastructure signing that ensures non-repudiation and higher tamper resistance in centralized ledgers

**Recent activities**

- **Product alliance**
  - Oracle Blockchain Platform became available as part of Everledger’s blockchain-based solution

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**Source:** Public disclosures, Everest Group (2020)

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Everest Group’s definition of managed blockchain platforms

Blockchain technology stack

- Decentralized applications
- User interfaces

Applications

- Consensus and validation
- Messaging and protocol
- Smart contracts
- Token management system
- Ledger management service
- Streaming service

Value-added services

- Interoperability and APIs
- Identity services
- Governance
- Oracle services
- Smart contract templates
- Digital assets and tokens
- Reusable business use cases
- External data and system connectors

Framework

- Storage node
- Cloud node

Infrastructure
### Overview of enterprise readiness assessment dimensions for managed blockchain platforms

#### Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Vision &amp; strategy</th>
<th>Platform configuration and ecosystem</th>
<th>Ease of adoption</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Overview</strong></td>
<td>Current product strategy and Go to Market (GTM) focus along with the future vision for their platform</td>
<td>Coverage across the blockchain platform’s features and functions as well as talent available for development on the platform</td>
<td>The techniques, features, and IP that assist in ease and speed of enterprise adoption</td>
</tr>
</tbody>
</table>

#### Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Enterprise adoption</th>
<th>Business Value</th>
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<tbody>
<tr>
<td><strong>Overview</strong></td>
<td>Market share, total projects, and overall demand for the platform</td>
<td>Complexity and impact of delivered projects with special focus on production cases</td>
</tr>
</tbody>
</table>

Source: Everest Group (2020)
Vendors were assessed on their capability maturity and the business impact

**Leaders**
- Delivering best-in-class blockchain platforms in the market
- Provide extensive coverage across multiple open frameworks and enable collaboration and consortia among clients
- Have good market presence, a robust partner ecosystem, and lead in production deployments

**Visionaries**
- Have developed strong capabilities and a sound strategy for the future
- Lack market presence as they continue to build and scale their partner and consortia ecosystems

**Niche providers**
- Technology companies that have built niche capabilities in blockchain
- Have good traction in the market but are lagging due to their evolving offerings, especially the breadth of offerings

**Nascent providers**
- In the nascent phase of delivering and/or building their blockchain platforms
- Investing to develop capabilities and create ecosystems around their platform to drive adoption

Source: Everest Group (2020)
About Everest Group

Everest Group is a consulting and research firm focused on strategic IT, business services, and sourcing. We are trusted advisors to senior executives of leading enterprises, providers, and investors. Our firm helps clients improve operational and financial performance through a hands-on process that supports them in making well-informed decisions that deliver high-impact results and achieve sustained value. Our insight and guidance empower clients to improve organizational efficiency, effectiveness, agility, and responsiveness. What sets Everest Group apart is the integration of deep sourcing knowledge, problem-solving skills and original research. Details and in-depth content are available at www.everestgrp.com.

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