

# Next-Generation Computing Platforms

*Key offerings enable enterprises to operate next-generation applications across the cloud and on-premises*

2025 CONSTELLATION SHORTLIST

The Constellation ShortList™ presents vendors in different categories of the market relevant to early adopters. In addition, products included in this document meet the threshold criteria for this category as determined by Constellation Research. This Constellation ShortList of vendors for a market category is compiled through conversations with early adopter clients, independent analysis and briefings with vendors and partners.

## ABOUT THIS SHORTLIST

Enterprises look for ways to run their next-generation applications across public clouds and on-premises in their data center(s). To achieve this flexibility, CxOs need a high degree of Identity between the cloud and on-premises-based technology stacks.

This Constellation ShortList evaluates the Next-Generation Computing Platforms available and includes the leading offerings that meet the requirements of today's CxOs. They need these platforms to offer workload portability and a single pane of glass to manage environments and workloads of their next-generation applications (for more, see [here](#)). These platforms also provide advanced services to help manage, maintain and operate these complex technology stacks. Innovation speed and elastic commercial terms are also required to keep these vendors competitive in the Infinite Computing era (for more, see [here](#)).

Obviously, the rise of AI in 2023 also impacts the Next Generation Computing Platforms, who have to be able to operate and train AI models and workloads. The ability to use AI models as code assets, similar to traditional software code assets, and move them seamlessly across on premises, to the cloud and to the edge is a key capability to watch in 2024.

For more information, please review this Market Overview report: ["Next-Gen Computing: The Enterprise Computing Model for the 2020s."](#)

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To learn more about Constellation Research Shortlists visit: [www.constellationr.com/ShortList](http://www.constellationr.com/ShortList)

## 8 SOLUTIONS TO KNOW

Constellation evaluates over 20 solutions categorized in this market. This Constellation ShortList is determined by client inquiries, partner conversations, customer references, vendor selection projects, market share, and internal research.



**AMAZON WEB SERVICES (AWS) WITH OUTPOSTS**



**GOOGLE CLOUD WITH ANTHOS**



**HPE GREENLAKE FOR PRIVATE CLOUD BUSINESS EDITION**



**IBM CLOUD WITH REDHAT/ OPENSIFT**



**MICROSOFT AZURE WITH AZURE ARC**



**MIRANTIS CONTAINER CLOUD / KUBERNETES ENGINE (FORMERLY DOCKER ENTERPRISE)**



**NUTANIX CLOUD PLATFORM**



**ORACLE CLOUD AND ORACLE CLOUD AT CUSTOMER, ORACLE DEDICATED REGION AT CUSTOMER**



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**ShortList™**

## THRESHOLD CRITERIA

Constellation considers the following criteria for these solutions:

- Technology stack capabilities deployed on-premises, offline
- A public IaaS—either directly owned or through partners where the same set of capabilities (or more) are running
- Sufficient capabilities to operate at least three of the seven next-generation application use cases
- Coverage in at least five continents from an availability perspective
- At least 625+ customers
- Availability of at least 2,500 service professionals (direct or partners)

## BUSINESS THEMES



New C-Suite



Technology Optimization

## ABOUT CONSTELLATION RESEARCH

As an award-winning Silicon Valley-based strategic advisory and futurist analyst firm, Constellation Research serves leaders and organizations navigating the challenges of digital strategy, business-model disruption and digital transformation. Constellation works closely with solution providers, partners, C-suite executives, board of directors, and its Constellation Executive Network of buy-side leaders to lead the way in research coverage and advise clients how to achieve valuable business results.

## FREQUENCY OF EVALUATION

Each Constellation ShortList is updated at least once per year. Updates may occur after six months if deemed necessary.

## EVALUATION SERVICES

Constellation clients can work with the analyst and the research team to conduct a more thorough discussion of this ShortList. Constellation can also provide guidance in vendor selection and contract negotiation.



### Holger Mueller Vice President & Principal Analyst

Holger Mueller focuses on the synergies between people and software. As the hand-to-machine ratio radically changes over the next decade (primary factors: age dynamics and technology innovation), enterprises need to find the appropriate balance between changes in a dynamic workforce and the creation and adoption of next-generation applications, all determining the Future of Work and helping enterprises accelerate. Mueller provides strategy and counsel for key clients, including CTOs, CHROs and CIOs as well as investment analysts, VCs, PE firms and technology buyers.

