

HFS Horizons Report

The Best Service Providers for Retail Banks, 2023—Disruptors, Enterprise Innovators, and Market Leaders

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In our post-pandemic world, the top imperative for retail banks has shifted from digital engagement to front-to-back modernization. To succeed, digital innovation must permeate throughout banking operations and modernized core systems to enable new forms of value for end customers. Retail banks will get there with the help of their ecosystem partners.

Elena Christopher, Chief Research Officer

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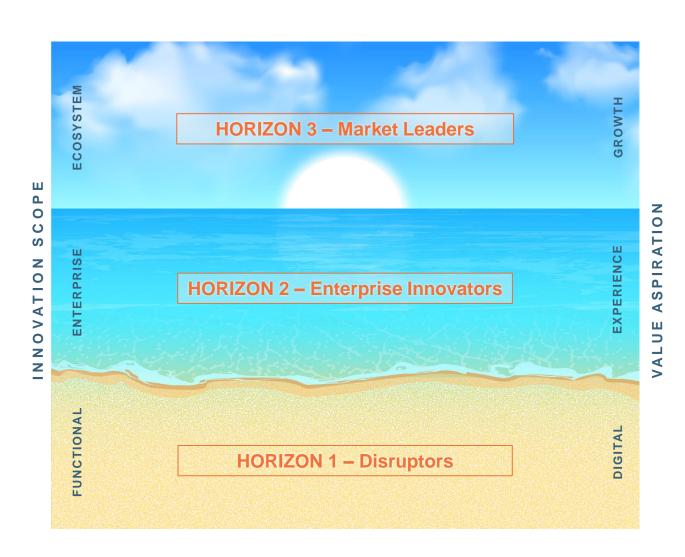
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Introduction and the HFS retail banking value chain

Introduction

- Retail banking remains the most visible segment of the global banking market with the greatest alignment (and exposure!) to consumer behavior and sentiment. This perpetual tension between what consumers want and what banks provide has driven nearly a decade of sexy front-end digital investment to help banks defend against fickle customer loyalty. In our post-pandemic world, the top imperative for retail banks has shifted from digital engagement to front-to-back modernization. To succeed, digital innovation must permeate throughout banking operations and modernized core systems to enable new forms of value for end customers. Retail banks will get there with the help of their ecosystem partners.
- The HFS Horizons Report: The Best Service Providers for Retail Banks, 2023 assesses how well service providers are helping their retail banking clients embrace innovation and realize value across three distinct horizons:
 - Horizon 1 is digital: Ability to drive functional optimization outcomes through cost reduction, speed, and efficiency
 - Horizon 2 is experience: Horizon 1 + enablement of the OneOffice™ model of end-to-end organizational alignment across the front, middle, and back offices to drive unmatched stakeholder experience
 - Horizon 3 is growth: Horizon 2 + ability to drive OneEcosystem[™] synergy via collaboration across multiple organizations with common objectives around driving completely new sources of value
- The report evaluates the capabilities of 21 service providers across the <u>HFS retail banking value chain</u> based on a range of dimensions to understand the *why, what, how,* and *so what* of their service offerings.
- It highlights the value-based positioning for each participant across the three distinct horizons. It
 also includes detailed profiles of each service provider, outlining their provider facts, strengths,
 and development opportunities.

HFS Horizons—aligning enterprise objectives with service provider value



Horizon 3 is growth through ecosystem transformation

Horizon 3 service providers demonstrate Horizon 2, plus

- Ability to drive a "OneEcosystem" synergy via collaboration to create completely new sources of value
- Strategy and execution capabilities at scale
- Well-rounded capabilities across all value creation levers: talent, domain, technology, data, and change
- Driving co-creation with clients as ecosystem partners
- Referenceable and satisfied clients driving new business models with the partnership

Horizon 2 is experience through enterprise transformation

Horizon 2 service providers demonstrate Horizon 1, plus

- Ability to drive a "OneOffice" model of **end-to-end organizational alignment** across the front, middle, and back offices to drive **unmatched stakeholder experiences**
- Ability to support clients aligning customer and employee experience
- Global capabilities with strong consulting skills
- Capability to deliver enterprise transformation as an ongoing multi-year managed service
- Proven and leading-edge proprietary tools, assets, and frameworks
- Referenceable and satisfied clients for ability to innovate

Horizon 1 is optimization through functional digital transformation

Horizon 1 service providers demonstrate

- Ability to drive functional optimization outcomes
- · Driving cost reduction, speed, and efficiency
- Strong implementation partners
- · Offshore-focused with strong technical skills
- · Robust fundamentals of cloud-transformation
- Referenceable and satisfied clients for ability to execute

Retail banking Small & Medium Mortgage Wealth Management **Payments Deposits** Lending Cards Business Customer acquisition · Customer acquisition · Sales and marketing · Real-time payments · Sales and marketing Sales and marketing Deposits Origination Merchant services Onboarding Origination Onboarding Onboarding · Lending and line of credit Transaction · Credit decisioning Underwriting Transaction Transaction Intermediary processing Cards services processing Loan fulfilment · Loan fulfillment processing Report focus Liquidity and cash · Merchant services Fund and portfolio Remittance services Loan servicing Trade services · Loan servicing management management Liquidity and cash Default management · Foreign exchange Default management Default management Industry · Financial wellness management Account servicing · Value-added · Secondary market Co-branding specific Retirement planning Dispute and accounting services operations Loyalty services resolution · Merchant services Value added Peer-to-peer services payments Reconciliations Cross-functional banking and financial services (BFS) processes Bills and statements | Risk management and monitoring | Regulatory compliance | Audit and reporting | Fraud |Legal | Treasury | ESG **Enabling technologies** RPA | Intelligent document processing | Artificial intelligence | Smart analytics | Machine learning | Blockchain | IoT | Cloud | Mobility Horizontal business processes Horizontal Customer experience | Human resources | Procurement | Finance and accounting | Payroll | R&D **Horizontal IT processes** Plan, design, and implementation | Application development and maintenance | Infrastructure management | Cybersecurity

The HFS retail banking value chain defined

HFS developed the industry value chain concept to graphically depict our understanding of the processes and functions that specific industries engage in to operate their businesses. The industry value chain for retail banking is a subset of our broader <u>banking and financial services value chain</u>. The elements of the retail banking value chain include

- Retail banking lines of business and functional processes, including deposits, lending, mortgage, cards, wealth
 management, small and medium business, and payments; these functions represent the range of unique processes retail
 banks undertake to conduct their core business.
- Cross-functional retail banking processes, including functions that are industry specific yet run across all lines of business, such as regulatory compliance, fraud management, and environmental, social, and governance (ESG); we have called out these functions as cross-functional banking processes.
- Enabling technologies drive so much of the innovation and change taking place in retail banking. They include elements such as robotic process automation (RPA), intelligent document processing (IDP), artificial intelligence (AI), smart analytics, and others. Our research on these topics will focus on how they are used within retail banking, which service providers bring them to the table, and what real business impact is realized.
- Horizontal IT and business processes are essential for enterprises in all sectors running their businesses, but they are
 executed similarly regardless of industry. We refer to these as horizontal processes and have segmented them by IT and
 business functions. Our industry-specific coverage of these areas will focus on instances where something unique has
 been developed for the industry, such as core banking modernization or customer onboarding.



Research methodology

Service providers covered in this report











































Note: All service providers are listed alphabetically

Sources of data

This Horizons research report relies on myriad data sources to support our methodology and help HFS obtain a well-rounded perspective on service capabilities of the participating organizations covered in our study. Sources are as follows:



Briefings and information gathering

HFS conducted detailed **briefings** with banking leadership from each vendor.

Each participant submitted a specific set of **supporting information** aligned to the assessment methodology.



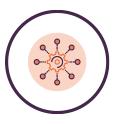
Reference checks

We conducted reference checks with 41 active clients and 47 active partners of the study participants via survey-based and telephonic interviews.



HFS Pulse

Each year, HFS fields multiple demand-side surveys in which we include detailed vendor rating questions. For this study, we leveraged our fresh from the field HFS Pulse Study data featuring ~900 service provider ratings from BFS enterprises.



Other data sources

Public information such as press releases and websites.

Ongoing interactions, briefings, virtual events, etc., with in-scope vendors and their clients and partners.

Horizons assessment methodology—services for retail banks

The HFS Horizons Report: The Best Service Providers for Retail Banks, 2023 research evaluates the capabilities of service providers across a range of dimensions to understand the why, what, how, and so what of their service offerings supporting retail banks. Our assessment is based on inputs from clients, partners, and employees and augmented with analyst perspectives. The following illustrates how we assessed provider capabilities:

		Distinguishing supplier characteristics ————————————————————————————————————		
Assessment dimension	Assessment sub-dimension	Horizon 1 service providers	Horizon 2 service providers	Horizon 3 service providers
Value proposition: The Why?	Strategy for retail banking market and vision for the future of the industry	ontimization outcomes through	Horizon 1 + Enablement of the	Horizon 2 + Ability to drive "OneEcosystem" synergy via collaboration across multiple organizations with common objectives around driving completely new sources of value
	Retail banking offerings aligned to top problem statements for the sector		"OneOffice" model of end-to-end organizational alignment across the front, middle, and back offices to drive unmatched stakeholder experience (EX, PX, CX)	
(25%)	Differentiators—Why retail banks work with you			
Execution and innovation capabilities:	Breadth and depth of services across the retail banking value chain and associated delivery capabilities	 Functional domain expertise for segments of the retail banking value chain Industry-specific talent focused on key process domains or tech Focused partnerships and strong PX Limited industry-specific IP 	Comprehensive coverage across the retail banking value chain	retail banking value chain and beyond oool • Strong industry-specific talent pool
The What? (25%)	Strength of industry-specific talent—hiring, training, and ongoing development		 Strong industry-specific talent pool across IT and operations domains Range of industry-specific partnerships and strong PX Strong industry-specific IP 	
	Approach to and strength of ecosystem partners			
	Industry-specific technology innovation			
Go-to-market strategy: The How? (25%)	What are you actually selling to retail banks?	 Investments aligned to functional optimization outcomes Optimization and point solutions Target-focused personas and LOBs, Majority tier 2 and 3 firms, geo-specific 	 Horizon 1 + investments aligned to enterprise experience Optimization and top-down transformation Target range of personas and LOBs, tiers 1 and 2, broad geo coverage 	 Investments aligned to Horizons 1, 2 and ecosystem enablement Horizon 1, 2 + co-creation with customers and partners Horizon 1, 2 + new value creation C-Suite coverage across LOBs and geos for tiers 1 and 2
	Nature of investments in your retail banking business (M&A, non-M&A, R&D)			
	Co-innovation and collaboration approaches with customers and partners including creative commercial models			
	Customer targeting approach			
Market impact:	Scale of retail banking business—revenue, clients, and headcount	 Proven scale and growth driven by functional optimization focus Top marks as an optimization partner across key retail banking functions (CX) 	 Proven scale and growth driven by Horizon 1 + stakeholder experience Top marks as an enterprise transformation partner emphasizing stakeholder experience (CX) 	+ ecosystem synergyTop marks as a global growth partner
The So What?	Growth of retail banking business—revenue, clients, and headcount			
(25%)	Proven outcomes showcasing nature of value delivered to retail banks			
	Voice of the customer			

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Executive summary and market dynamics

Executive summary

1 Horizon 3 service providers revealed

We assessed 21 service providers across their value propositions (the why), execution and innovation capabilities (the what), go-to-market strategy (the how), and market impact criteria (the so what). The Horizon 3 leaders are, in alphabetical order, Accenture, Deloitte, EY, Infosys, TCS, and Wipro. These service providers have demonstrated their ability to support retail banks across the journey from functional digital transformation to enterprise-wide modernization to creating new value through ecosystems. These leaders' shared characteristics include deep industry expertise across the retail banking value chain, a full-service approach across consulting, IT, and operations, a strong focus on innovation, internally and externally with partners, co-innovation with clients and partners, and proven impact and outcomes with its retail banking clients around the world.

What retail banks need from service providers

The HFS Horizons model aligns closely with enterprise maturity. We asked the retail banking leaders we interviewed as references for this study to comment on the primary value delivered by their service provider partners today and in two years. Overwhelming, respondents indicated that the value realized today is Horizon 1—functional digital transformation focused on digital and optimization outcomes (72%). Two years from now, the story changes with an enhanced focus on using service providers to help achieve enterprise transformation (24%) and a heavy focus on driving growth and new value creation through ecosystem transformation (28%). Retail banks should select their partners based on the value they seek. The most effective service providers of the future need to enable the growth and transformation of retail banks across the ecosystem continuum.

How service providers are meeting retail banking needs

As retail banks evolve and mature across the Horizons model, service providers are on point to support these ever-changing needs. In our study, we found strong alignment between retail banks' push to Horizon 2—enterprise transformation—and the fastest-growing service offerings from providers. Providers are prioritizing modernization offerings for retail banks, especially core system transformation, cloud-enabled data and application modernization, and payments capabilities expansion. Modernization is a necessary pathway to cultivating new forms of value and ecosystem-enabled growth. CX elevation is ongoing and increasingly enabled by modernization, especially data initiatives. Risk and regulatory compliance is perpetual, and there is still work to be done on optimization. ESG needs are certainly on the radar for retail banks, but there is substantial definitional work to be done to better understand needs and solutions. IT services leads for spending.

Voice of the customer (VOC)

We did deep-dive interviews with more than 40+ retail banks as part of our VOC research for this study. Banking leaders showed a clear pattern of leveraging service providers to enable their future growth, with quality, industry expertise, and transformation advice dominating provider selection criteria and innovation and modernization initiatives leading services scope. We note banks barely consider the ecosystem as a key section criterion. Banks are largely satisfied with providers for the basics, averaging 8.4 out of 10 for CSAT. However, the delivery of outcomes is a bit more tepid, with satisfaction with growth-oriented new value creation at the bottom of the satisfaction pile.

Voice of the partners

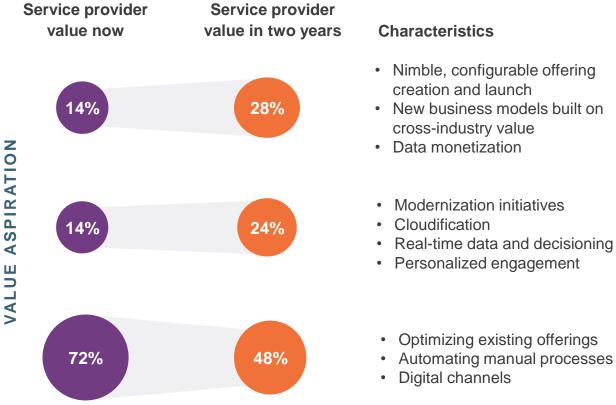
Service providers work with a range of partners to meet the needs of their retail banking clients, including hyperscalers and industry-skinned and industry-specific ISVs. Satisfaction is generally high from a partner experience standpoint, which bodes well for downstream client impact. However, partner perception of service providers is that they offer retail banks a higher level of value than the retail banks perceive. Enterprises need to better consider the value delivered via ecosystems.

The role of service providers is changing as retail banks mature and transform

Which of the following statements best represents the primary value delivered by your service provider today? And in the next two years?

Percentage of respondents





Service providers' fastest growing offerings are around modernization—core banking, cloud, and payments

1	Core banking modernization	There is a massive push in retail banks for their business functions to access critical data, process it in real time, effect faster pricing changes, launch new products and digital solutions (apps), and scale infrastructure up and down at will. Traditional core retail banking systems were meant for reliability and facilitating the retail banking tenet of transaction processing without intervention. Intending to establish a nimbler core, retail banks are ripping and replacing, implementing greenfield core banking technologies, decomposing the core with nimble layering, and decoupling from auxiliary systems.
2	All things cloud	For retail banks, the dimension of the cloud is from customer experience to operations to the back office. Retail banks mostly embrace the cloud to harness data and for application modernization. Most retail banks use multi-cloud configurations to migrate applications onto an infrastructure that is best suited. Working with the handful of hyperscalers, workload and application migration for retail banks requires deep domain and proprietary application knowledge, not just cloud expertise.
3	CX and customer journeys elevation	Retail banks have gotten smarter about the way they approach CX elevation. Retail banks are increasingly becoming customer-centric by emphasizing on customer journey mapping that tightly couples products—deposits, cards, lending, mortgages, pensions, and insurance—to the path of onboarding, transactions, administering, and resolving, etc., to simplify and upgrade customer experience and create value through data—increasingly across banking silos and with an emphasis on rewards and loyalty.
4	Ramping payments and lending	The rapid pace of payment and lending transformation is off the charts. Retail banks are debating between legacy build-versus-buy approaches, which have yielded mixed results. Retail banks leverage service providers to take their monolithic frameworks created through consolidation to establish a single consolidated payments and lending platform supporting channels, middle-office, and back-end systems, with clear API endpoints for integration to support the next retail banking evolution in both payments and lending. This modernization effect is a prerequisite for developing and enabling new payment offerings.
5	Risk and regulatory banking services (KYC, AML)	In the past, operational risk was an intensively human-driven process that lacked transparency and lumped together across groups—compliance, financial crime, cyber risk, and IT risk. Service providers are bringing AI, machine learning, and intelligent automation to change the nature of work from qualitative manual controls to data-driven, real-time monitoring. High dependency by service providers on vendors and fintech partnerships, to bring the necessary innovation to optimize the function. Lines between operational risk management functions and compliance continue to shift for different banks.
6	ESG—reporting and	Banks are still mapping out what ESG commitments mean in practice for retail banks. The early-stage execution opportunity centers on establishing effective

governance

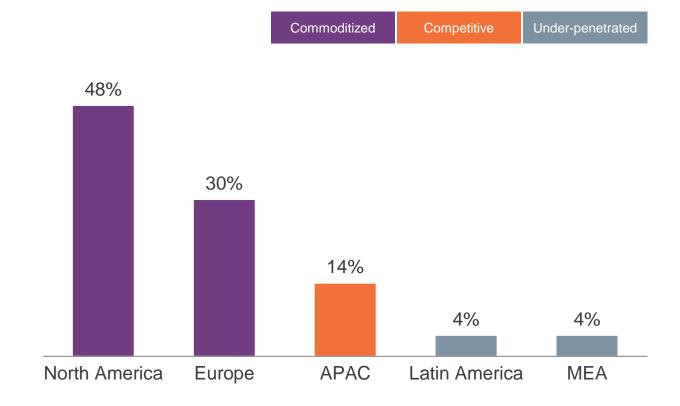
and centralized reporting for ESG. There is also a facet tied to green financing, socially responsible pension plans, green products, and services.

Retail banks are predominantly spending on IT services, with North America as the largest market

Revenue by service scope

14% 19% BPO IT Services

Clients by geography

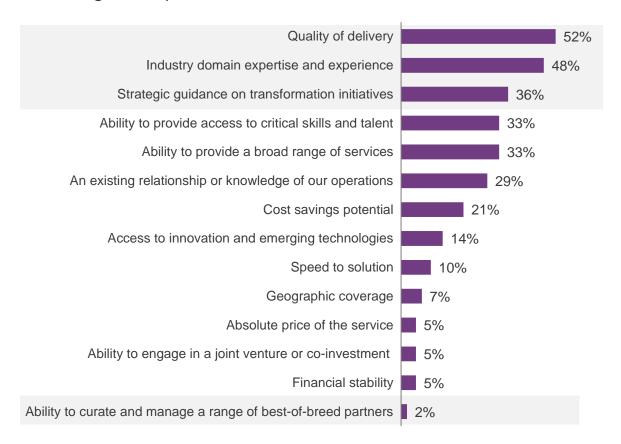


N= 21 providers of services to retail banks representing ~7,500 clients globally Source: HFS Research, 2023

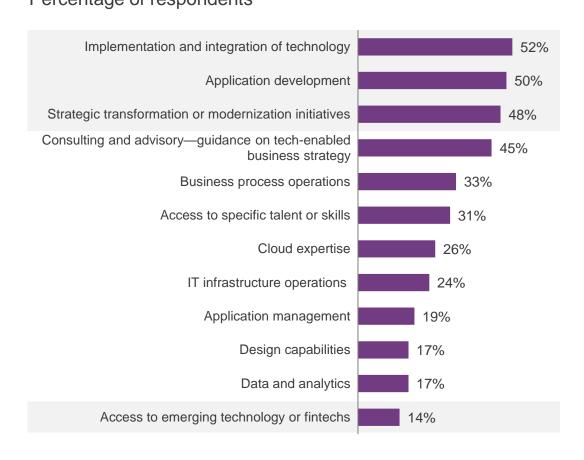
Retail banks' service provider selection criteria and scope of use underscore a transformation focus—but ignore partners

How did you pick this service provider?

Percentage of respondents

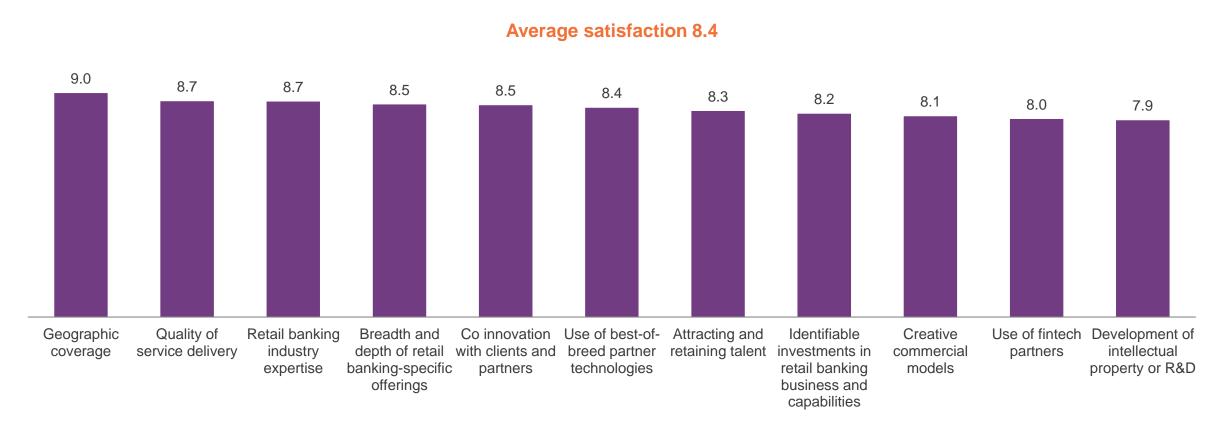


What do you use this service provider for? Percentage of respondents



Retail banks are largely satisfied with their providers for the basics...

Please rate the service provider across the following parameters using a 1–10 scale, where 1 is poor and 10 is excellent. Weighted average of respondents



...but they are less satisfied with the outcomes delivered by their providers

Please rate the outcomes delivered by your service provider across the following parameters using a 1–10 scale, where 1 is poor and 10 is excellent.

Excerpt for EY

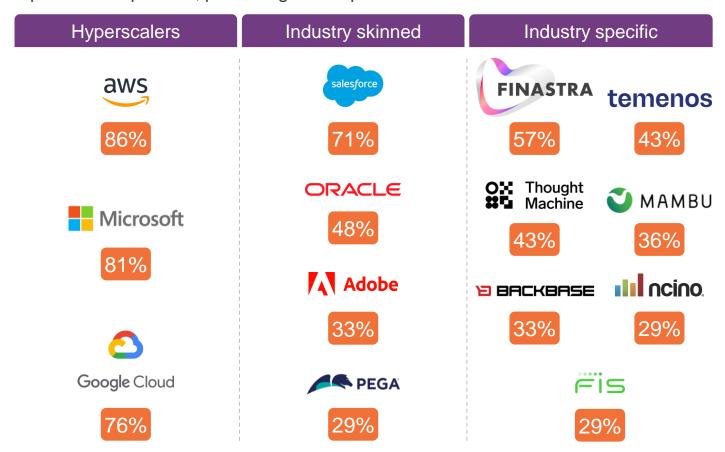
Weighted average of respondents



Efficiency gains are hygiene. Service provider partnerships should reflect bold aspirations of developing new business models for banks. We hope to see the lowest service rating increase.

The top service provider partners for retail banks are a mixed bag of hyperscalers, industry-skinned, and industry-specific ISVs

Who are your key partners for supporting retail banking clients? Include general, industry specific, and fintechs. Open-ended question, percentage of respondents



Top retail bank partners. These partners rose to the top as most frequently identified as critical to supporting retail banking clients.

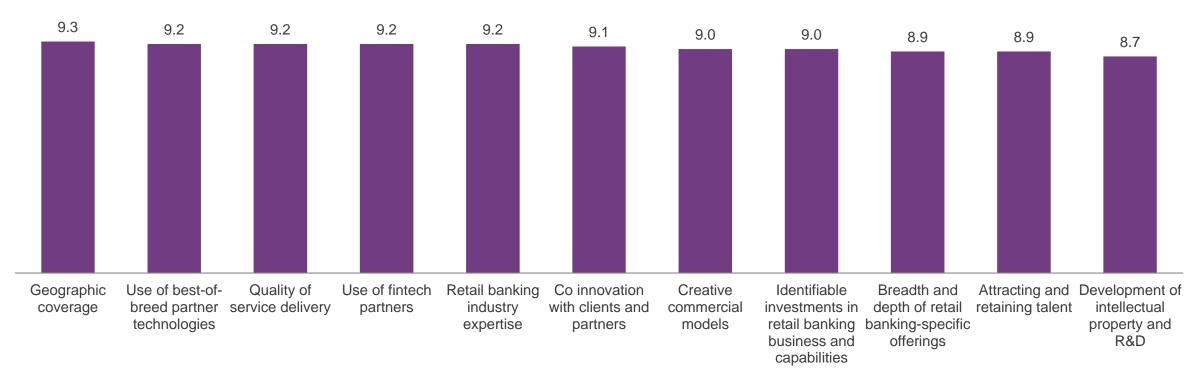
- Hyperscalers offer critical storage and compute capabilities with some industry-specific capabilities.
- General purpose tools are increasingly skinned for retail banking. Oracle and Pega have various banking solutions.
- Industry-specific partners are most typically leveraged for
 - Finastra, created from the merger of Misys and D+H,
 offers a range of banking and payment solutions.
 - Temenos, an on-premises and cloud core banking platform.
 - Thought Machine, cloud-native headless core banking.
 - Mambu, cloud-native headless core banking.
 - **Backbase**, offers digital engagement banking platform.
 - nCino, a cloud-based lending and core banking specialist.
 - FIS offers a wide range of financial products and services, often used for core banking and specialty finance products.

N= 21 providers of services to retail banks Source: HFS Research, 2023

The PX factor is high! Partners are generally very satisfied with their service provider relationships

Please rate the service provider across the following parameters using a 1–10 scale, where 1 is poor and 10 is excellent. Weighted average of ratings

Average satisfaction 9.1

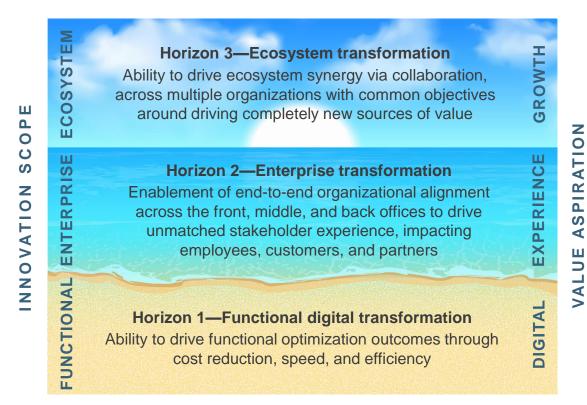


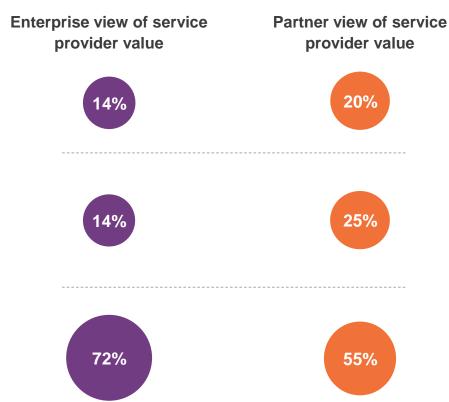
PX – Partner Experience N= 47 partner respondents Source: HFS Research, 2023

Partners view the value they deliver with service providers as a notch up the Horizons value chain

Which of the following statements best represents the primary value delivered by your service provider today? Percentage of respondents

Based on your experiences so far, which value description best describes your service provider partner? Pick one, percentage of respondents





N= 41 retail bank respondents, 47 partner respondents Source: HFS Research, 2023



Horizons results:
The Best Service Providers for Retail Banks, 2023

HFS Horizons: The Best Service Providers for Retail Banks—summary of providers assessed in this report

Providers (alphabetical order)	HFS point of view
Accenture	Enabling the top priorities of banks from strategy to operations, underpinned by ecosystem
Amdocs	Technology-led approach to banking to accelerate digital transformation
Capgemini	Building customer-first, intelligent, and modernized retail banks of the future
Cognizant	Rebuilding retail banking technology and operating models in support of enhanced customer experience and efficiency
Deloitte	A global consultancy helping retail banks stay ahead of the their most complex issues
EY	Helping retail banks enable the next wave of consumer demand
Firstsource	Enabling digital operations for mid-tier retail banks
Genpact	Transforming retail banking operations with data, tech, and Al
HCLTech	Supporting retail banks' digital aspirations with platforms, partners, and IP
Hexaware	Driving digital enablement in retail banks with cloud, product engineering, and automation
Hitachi Vantara	Leveraging data, storage, and services to help retail banks engineer transformation

Providers (alphabetical order)	HFS point of view
IBM	Enabling future retail banking business models through business transformation powered by cloud, AI, and partners
Infosys	Offering end-to-end services and ecosystem access to help retail banks modernize and transform
LTIMindtree	Leveraging its enhanced scale to help retail banks deliver holistic digital experiences
Mphasis	Helping retail banks embrace innovation at scale
Publicis Sapient	Helping retail banks modernize through relevant digital business propositions
PwC	A Big 4 consultancy helping retail banks address business challenges and drive competitive advantage
Sutherland	Enabling retail banks to offer high-impact experiences and growth through digital operations
TCS	Enabling retail banks to be "future-ready enterprises"
Virtusa	Helping retail banks accelerate digital innovation
Wipro	Offering strategy-led execution to help retail banks "be digital"

HFS Horizons: The Best Service Providers for Retail Banks, 2023



Horizon 3 is growth through ecosystem transformation

Horizon 3 service providers demonstrate Horizon 2, plus

- Ability to drive a "OneEcosystem" synergy via collaboration to create completely new sources of value
- · Strategy and execution capabilities at scale
- Well-rounded capabilities across all value creation levers: talent, domain, technology, data, and change
- · Driving co-creation with clients as ecosystem partners
- Referenceable and satisfied clients driving new business models with the partnership

Horizon 2 is experience through enterprise transformation

Horizon 2 service providers demonstrate Horizon 1, plus

- Ability to drive a "OneOffice" model of **end-to-end organizational alignment** across the front, middle, and back offices to drive **unmatched stakeholder experiences**
- · Ability to support clients aligning customer and employee experience
- · Global capabilities with strong consulting skills
- Capability to deliver enterprise transformation as an ongoing multi-year managed service
- Proven and leading-edge proprietary tools, assets, and frameworks
- · Referenceable and satisfied clients for ability to innovate

Horizon 1 is optimization through functional digital transformation

Horizon 1 service providers demonstrate

- · Ability to drive functional optimization outcomes
- · Driving cost reduction, speed, and efficiency
- · Strong implementation partners
- · Offshore-focused with strong technical skills
- · Robust fundamentals of cloud-transformation
- · Referenceable and satisfied clients for ability to execute

Note: All service providers within a "Horizon" are listed alphabetically

EY profile: The Best Service Providers for Retail Banks, 2023

EY: Helping retail banks enable the next wave of consumer demand



Strengths

- Value proposition: EY enables the C-suite transformation agendas of retail banks, addressing three key imperatives with its consulting-led services: profitable growth, operational excellence, and safety and soundness.
- Growth proof points: EY has invested significantly in platforms such as its Nexus business transformation platform. It has been amping up its partners to complement its platform play as much as it can within the governing SOX rules. Its Project Everest split will change this baseline. It continues to invest in strategic M&A to support its financial services business, and it reported strong double-digit revenue growth.
- Key differentiators: EY is actively moving beyond consulting to help clients achieve new forms of value with technology & managed services. Its Global Delivery Centers help enable affordability. Its broader role as a tax and audit firm have earned EY a reputation as a trust-based partner, which has been critical in the development of deep risk and compliance expertise. Experience across its broad client roster and its insights-led approach re-enforce its ability to lead with proven ideas.
- Outcomes: It helped a bank drive new mortgage business by integrating into the broader firm, yielding \$7B in loan balance growth. It helped a Canadian bank drive an 80% increase in deposits through channel expansion.
- Customer kudos: Clients appreciated its knowledge and insights, flexibility, and highly engaged teams.
- Partner kudos: Partners note that it blends business ingenuity and technical expertise and brings together the right talent, tech, and insights to deliver business outcomes.

Development opportunities

- What we'd like to see more of: As EY continues its expansion to products and platforms and corollary managed services, the market is keen for proof of value examples, especially for Nexus.
- What we'd like to see less of: The cultivation of ecosystem partners to help complement EY's platforms and create composable solutions is ideal. However, the play is light on visible fintechs.
- Customer critiques: Some clients feel EY is expensive, which can make it challenging to have ongoing engagement.
- Partner critiques: Some partners would like to see the development of more global solutions expanded from regional member firms. Others cite a need for more ecosystem partners to complement their solutions.

Key offerings

Its retail banking offerings span strategy and advice, customer and market insights, experience and content design, platforms, data and insights, and operating model design, all aligned to three client imperatives of profitable growth, operational excellence, and safety and soundness. Its revenue mix is about 60% consulting, 25% IT services, and 15% business process services.

Mergers and acquisitions (2019–2023)

- 2022: ifb SE, finance and risk transformation consultancy
- 2021: PeakEPM Limited, financial planning, stress testing, and cost management consultancy

Partnerships 32 alliance and tech partners, including

 Adobe, EXL, FIS, IBM, Key clients Microsoft, Pega, ServiceNow, Snowflake

Key clients

Number of clients: 1,610

 EY provides consulting services to 75% of the top 100 retail banking and wealth management firms

Global operations and resources

Headcount: Banking and capital markets: 37,800; wealth and asset management: 12,700

Number and location of delivery and innovation centers

- 21 global delivery centers in Argentina, Mexico, Poland (2), Hungary, the UK (2), Spain, India (10), Philippines, Sri Lanka and China
- 50 wavespace (Innovation) centers, 20 in the Americas, 23 in EMEIA, and 7 in Asia Pacific

Flagship internal IP

- EY NEXUS for banking: Cloud-native platform to accelerate innovation.
- TRADA (Transaction Reporting Advanced Data Analytics): Automated transaction reporting validation engine.
- EY Comply: Managed services platform to manage evolving regulatory reporting requirements.
- FinCrime and Trade Risk Analytics Compliance: FinCrime engine.
- NextWave Insight Engine: Predictive consumer and market intelligence for banking.



HFS Research authors

HFS Research authors



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Elena Christopher is Chief Research Officer at HFS. Elena sets the strategic research focus and agenda for HFS Research, understanding and predicting the needs of the industry and ensuring our unique "analyst advisory" capabilities drive thought-provoking impact across enterprises and their associated emerging technology and services ecosystems. Elena also leads our industry research coverage, with a specialization in banking and financial services.

Elena brings more than 25 years of technologyenabled IT and business process services expertise to HFS, having served as either an advisor or vendor partner for major clients in industries such as financial services, high-tech, communications, retail, automotive, and energy.



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Divya Iyer covers the IT and business services sectors, researching emerging and established digital business models and technologies, start-ups, and business solutions suppliers.

She has more than 15 years of experience in the financial services industry in the areas of capital markets, equity research, financial modeling, data analysis, client management, and strategic project development.



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Niti is a senior analyst at HFS Research. She is working on competitive intelligence across IT and business process services.

Niti joins us with 6+ years of experience in market research. Prior to starting the HFS journey, she worked with Kantar (leading data, insights, and consulting company). She has experience in both primary and secondary market research studies in the FMCG domain. She has worked on accounts across the globe as well as in India, for various categories including tobacco, new-generation products, and personal care products. Her responsibilities included leading end-toend research studies along with client presentations. She holds an MBA degree specializing in Finance and Marketing and B.Tech in Information Technology.

About HFS Insight. Inspiration. Impact.

HFS is a unique analyst organization that combines deep visionary expertise with rapid demand-side analysis of the Global 2000. Its outlook for the future is admired across the global technology and business operations industries. Its analysts are respected for their no-nonsense insights based on demand-side data and engagements with industry practitioners.

HFS Research introduced the world to terms such as "RPA" (Robotic Process Automation) in 2012 and more recently, Digital OneOffice™ and OneEcosystem™. The HFS mission is to provide visionary insight into the major innovations impacting business operations such as Automation and Process Intelligence, Blockchain, the Metaverse and Web3. HFS has deep business practices across all key industries, IT and business services, sustainability and engineering.



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