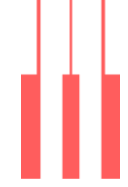


# Sonata Software Application Modernization with App Service

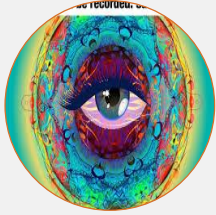




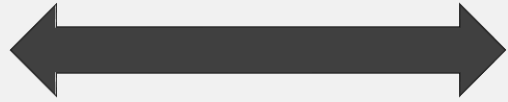
# Digital Agenda and Modern Infrastructure



# Digital Agenda of customers today...

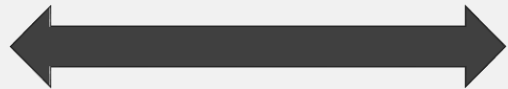


*Being Digital* (1995), technology futurist Nicholas Negroponte (1995), described how the old industrial economy would be eaten away by a new digital economy.



Established companies recognize that digital technologies can help them operate their businesses with

- greater speed and lower costs
- offer their customers opportunities to co-design and co-produce products and services (Sambamurthy et al. 2003).



## Digital Business Agenda

Drive Digital Business Revenue

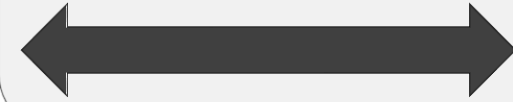
Transforming Existing Business

Improved Capital & Resource Usage

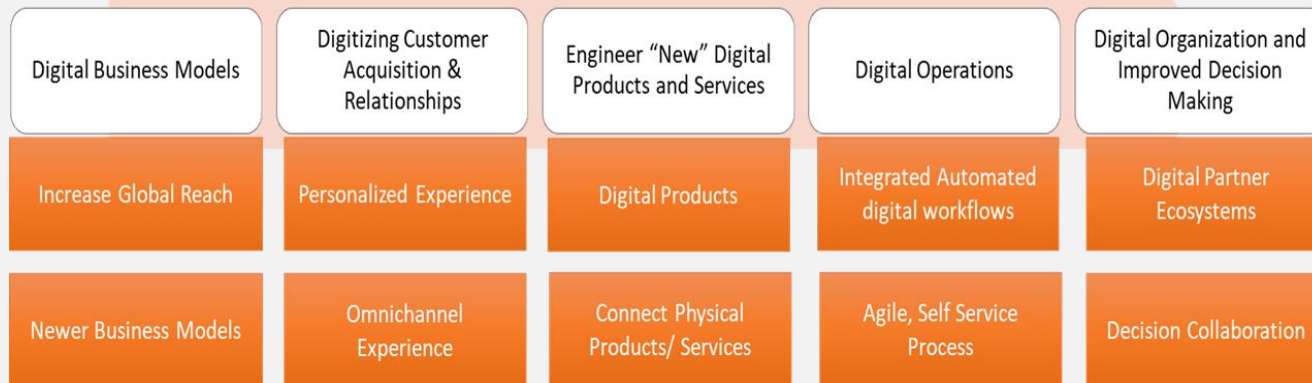
Cost Reduction and Higher productivity



Digital technology makes it possible for members of an organization to self-organize and thereby avoid the delays, distortions, and other damaging effects of hierarchically organized systems (Benkler, 2002).



## Value Chain Transformation

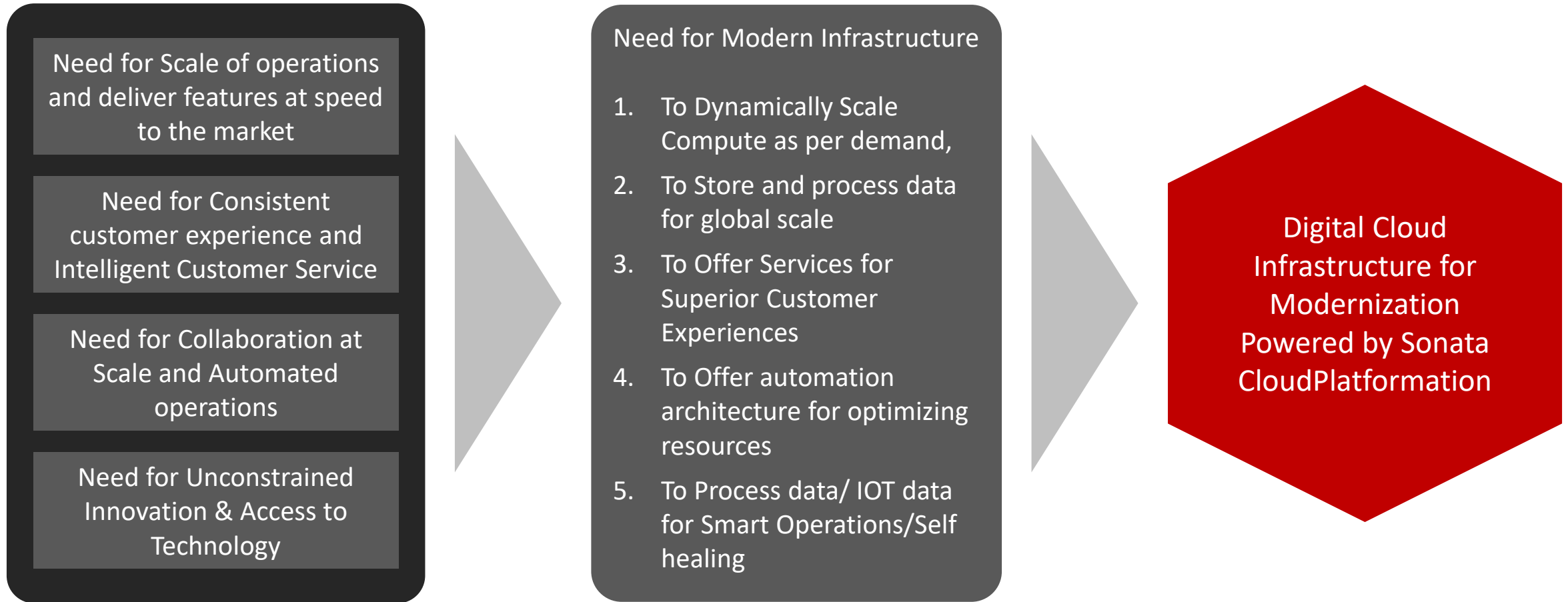


Many start-up companies use digital technologies to develop new products and business models that disrupt the present way of doing business and take customers away from firms that cannot change and adapt.



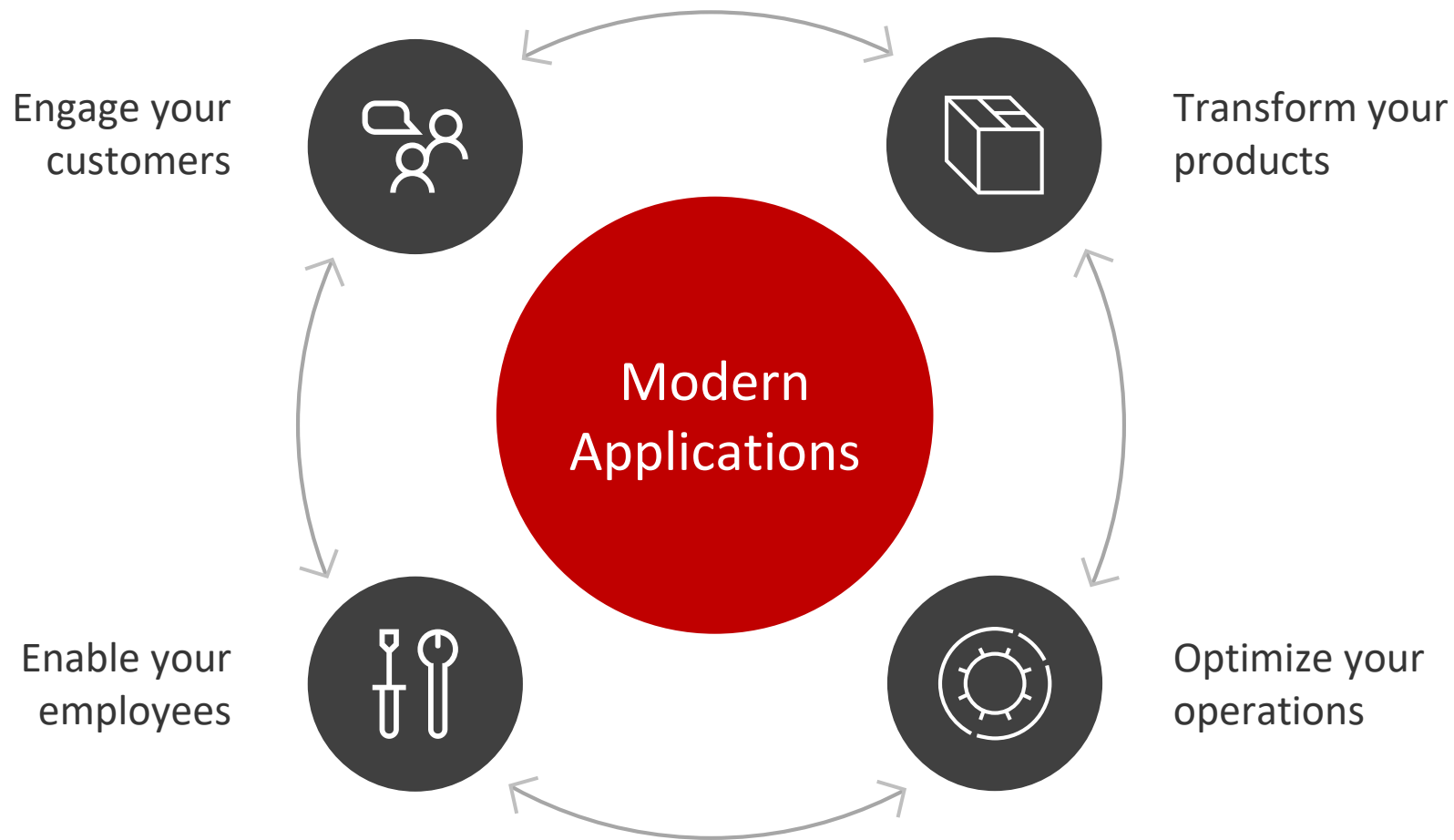
# Digital Agenda Needs Modernization of Existing Infrastructure

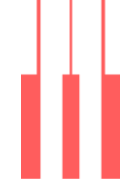
Every Enterprise is now a “software and data” organization and is in need of building Modern ecosystems





# App innovation fuels digital transformation



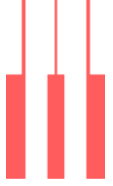


# Cloud is an enabler of Modernization of Digital Infrastructure

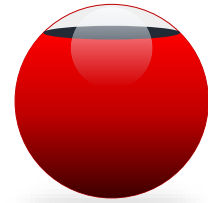
Modernization use cases on cloud

Engineering agility, speedy release to market	Need for heavy content distribution	Reduce over- provisioning / Achieve Elasticity
Unique Services at a Scale – NLP, IOT, ML/AI	Processing and Analyzing Huge datasets	Managing Cost of global IT systems
Need for Global distribution of product	Ability to make better IT Investment	Delivering scalable, Always-on Modern platforms



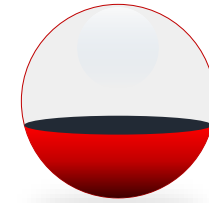


# Global outlook on Application Modernization



**75%**

of Non-Cloud applications will be Modernized in next 3 years



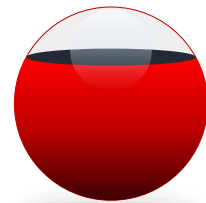
**42%**

of applications will be extended with cloud based features within next 3 years.



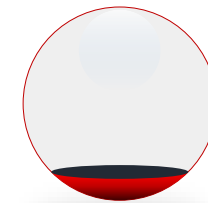
**55%**

of Applications developed in next 12 months will be designed as cloud native



**66%**

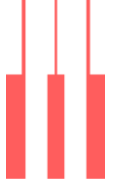
of companies overall are exploring cloud native development



**25%**

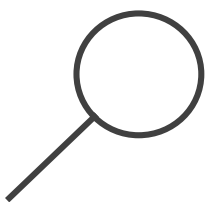
of existing cloud applications will be completely rebuilt as cloud native application.



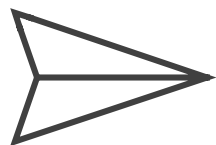


# Application Modernization journey

Top-down buy in: Business case | Executive sponsorship | Business and IT alignment



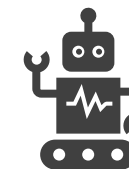
Assess



Migrate



Optimize



Modernize

Foundational investments: Technical | Process | People





# Modernization Service

## Assessment



### Modern DC Assessment

- On Prem to Cloud Migration Assessment



### Application Modernization Assessment

- Legacy Application to Modernization Assessment

## Modernization



### DC Modernization



### Application Modernization

- With App Service
- With AKS
- With Microservice and Service fabric
- With Platform Engineering



### Modern DR and BCP



### Biz Apps on Azure

- SAP ECC / SAP Hybris
- MS Dynamics
- Internal Business Applications, Platforms

## NextGen Managed Services

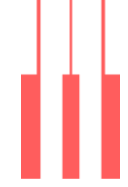


### Managed DC



### Managed Applications





# Application Modernization with App Service

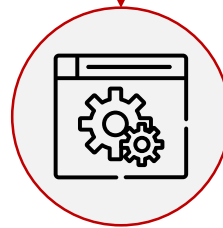


This service includes assessment, architecture design, engineering and deploying the applications in the azure environment.



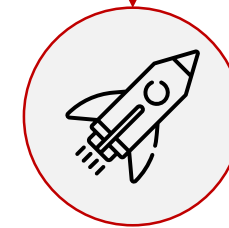
## Assessment

- Defining the Scope of Engagement
- Identify candidate application for modernization
- Review Application Architecture, resource usage and Integration with other systems.
- Perform GAP analysis and develop requirements.



## Architecture

- Analyze architectural Options
- Define To-Be architecture and present it.
- Estimate Time and Cost



## Deliver

- Build microservice architecture applications.
- Integrate Azure app services into the application
- Deploy CI/CD for developing applications for development services.



# Application Modernization Reasons

## Migrate Optimize IT



Lift + shift tactical apps  
to cloud to reduce cost

**406%**

Five-year ROI

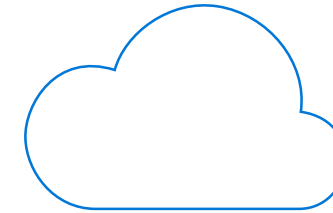
**53%**

Less expensive than  
on-prem/hosted

**98%**

Less database  
downtime

## Modernize Transform customer experiences



Migrate and reimagine apps  
that matter to your business

**100T**

Transactions  
per day on  
Jet.com

**100M**

Customers supported  
worldwide with Citrix

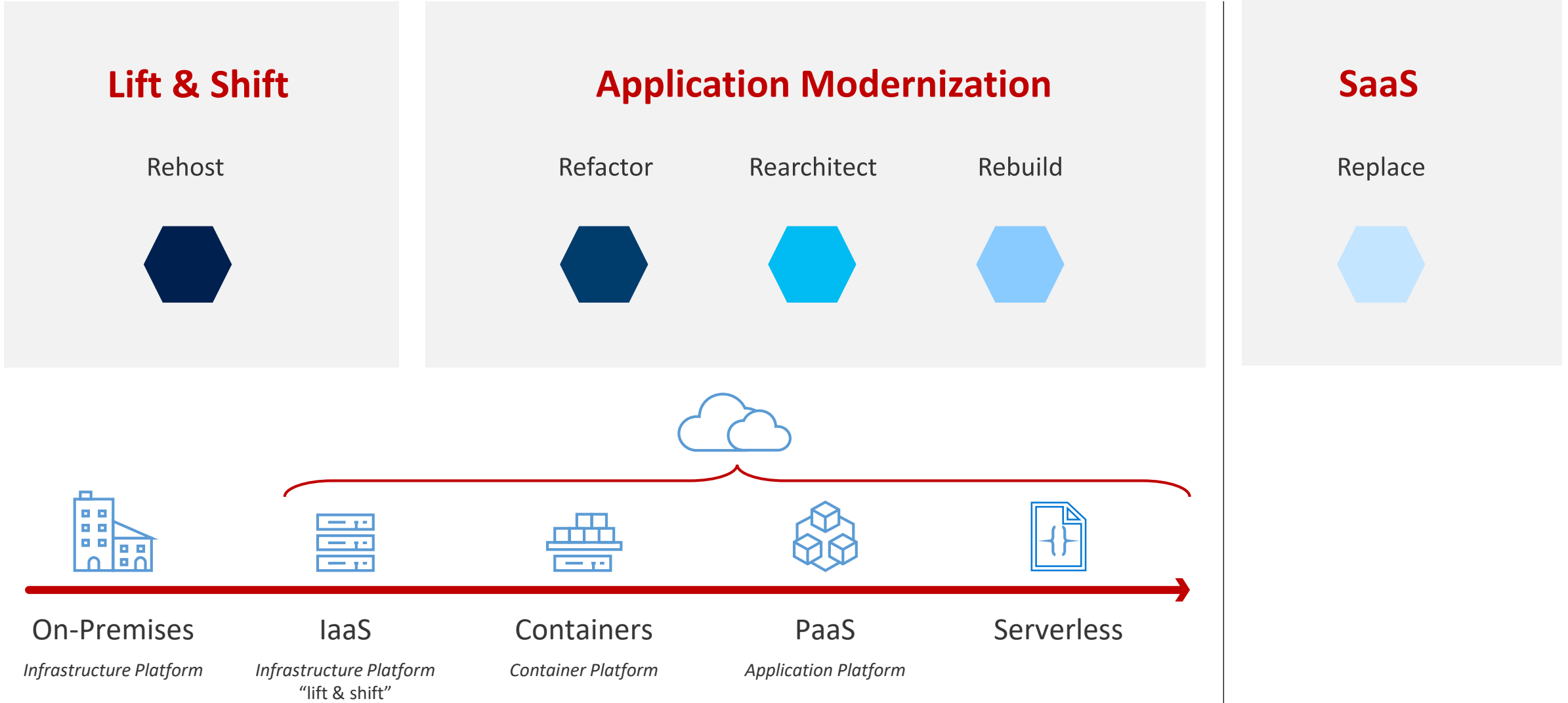
**500M**

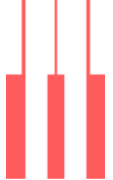
Fans get real-time  
experiences with  
Real Madrid

Source: IDC White Paper | The Business Value of Microsoft Azure SQL Database Services

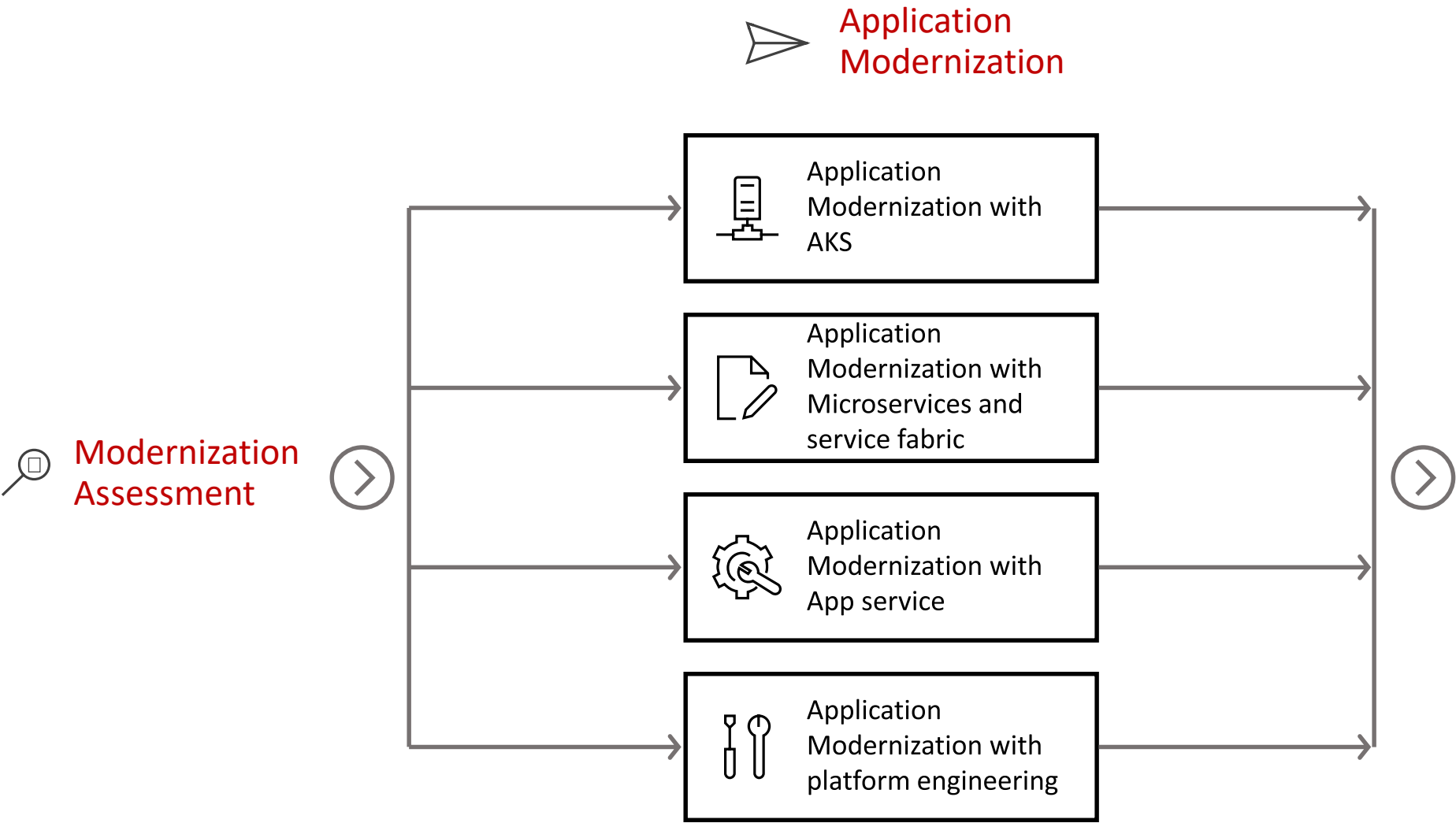


# Breaking down the Application migration journey





# Application Modernization Options



# Why use App Service for App Modernization

## Enterprise-grade apps



Global data center footprint



Hybrid support



AAD integrated



Secure + compliant

## Fully managed platform



Built-in auto scale and load balancing



High availability with auto-patching



Reduced operations costs



Backup and recovery

## High productivity development



.NET, Java, PHP, Node, Ruby, and Python



Staging and deployment



Testing in production



App gallery marketplace



# Modernization with App Services



## LOGIC APPS

Automate business process  
across SaaS and on-premises



## WEB APPS

Web apps that scale with your  
business



## MOBILE APPS

Build Mobile apps for any  
device



## API APPS

Easily build and consume APIs  
in the cloud





# Build in API Connectors

## Connectors

- Box
- Chatter
- Delay
- Dropbox
- Azure HD Insight
- Marketo
- Azure Media Services
- OneDrive
- SharePoint
- SQL Server
- Office 365
- Oracle
- QuickBooks
- SalesForce
- Sugar CRM
- SAP
- Azure Service Bus
- Azure Storage
- Timer / Recurrence
- Twilio
- Twitter
- IBM DB2
- Informix
- Websphere MQ
- Azure Web Jobs
- Yammer
- Dynamics CRM
- Dynamics AX
- Hybrid Connectivity

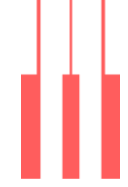
## Protocols

- HTTP, HTTPS
- File
- Flat File
- FTP, SFTP
- POP3/IMAP
- SMTP
- SOAP + WCF

## BizTalk Services

- Batching / Debatching
- Validate
- Extract (XPath)
- Transform (+Mapper)
- Convert (XML-JSON)
- Convert (XML-FF)
- X12
- EDIFACT
- AS2
- TPMOM
- Rules Engine





# Azure Cloud Capability



# Our Capability - Expertise

CSP, MSP, ISV Dev Center, ESP

Experience of managing 150+ azure engineering engagements

CoE for Azure Infra, Engineering and DevOps

100+ CSP/ Managed Service Customers

## Credentials

- CSP & Enterprise Cloud partner
- 54 + CSP Customers/ Managed Service associations
- End to End Cloud Services- Consulting to Managed Services, 24/7 Support
- Sonata IP In Azure / AppSource



## Experience

- 200+ Cloud engineers and 300+ Azure Developers
- 40+ cloud evangelists and Architects
- 100 + Successful Cloud Migrations
- 50 + Assessments
- 10+ Large Data Migrations to cloud



## Methodology

- Proven Consulting Methodology
- Proven Migration Methodologies
- Platform Engineering Methodology
- Operations and Automation Methodology

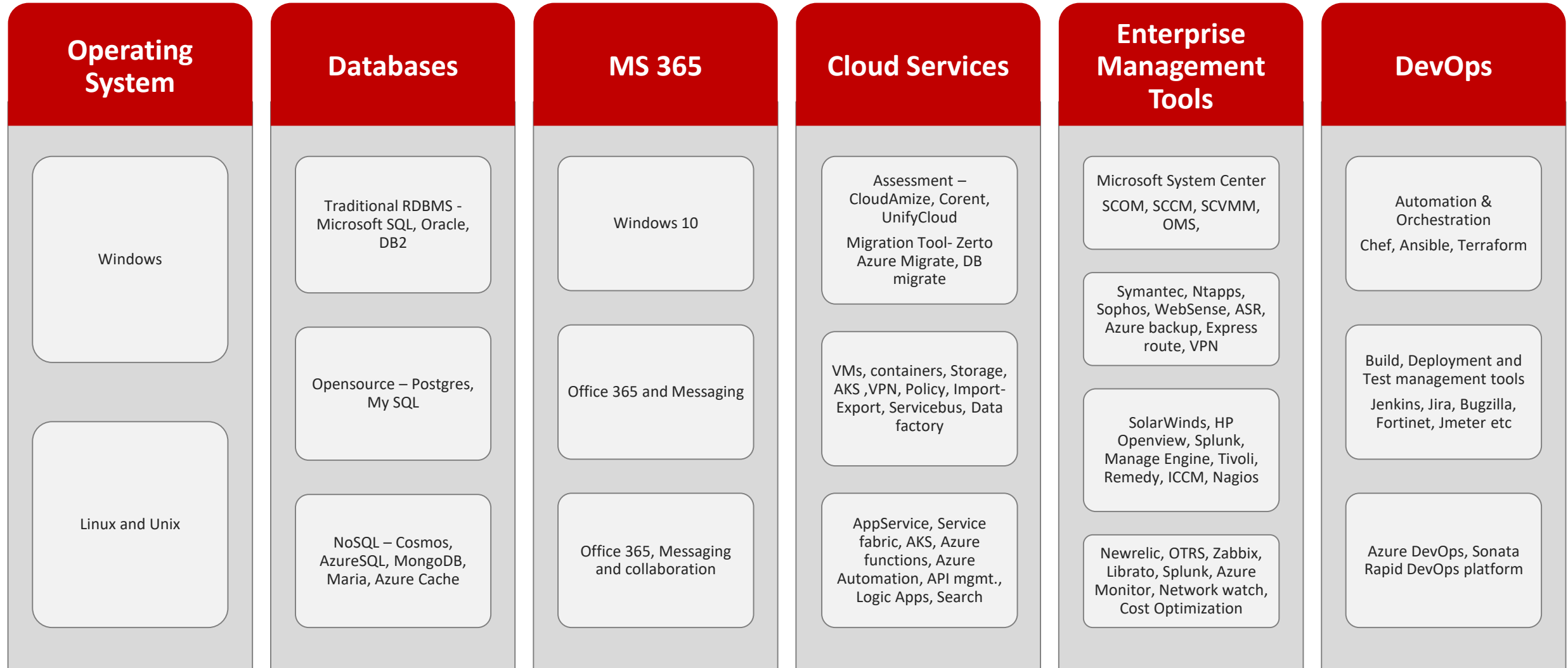


## Framework / Automation

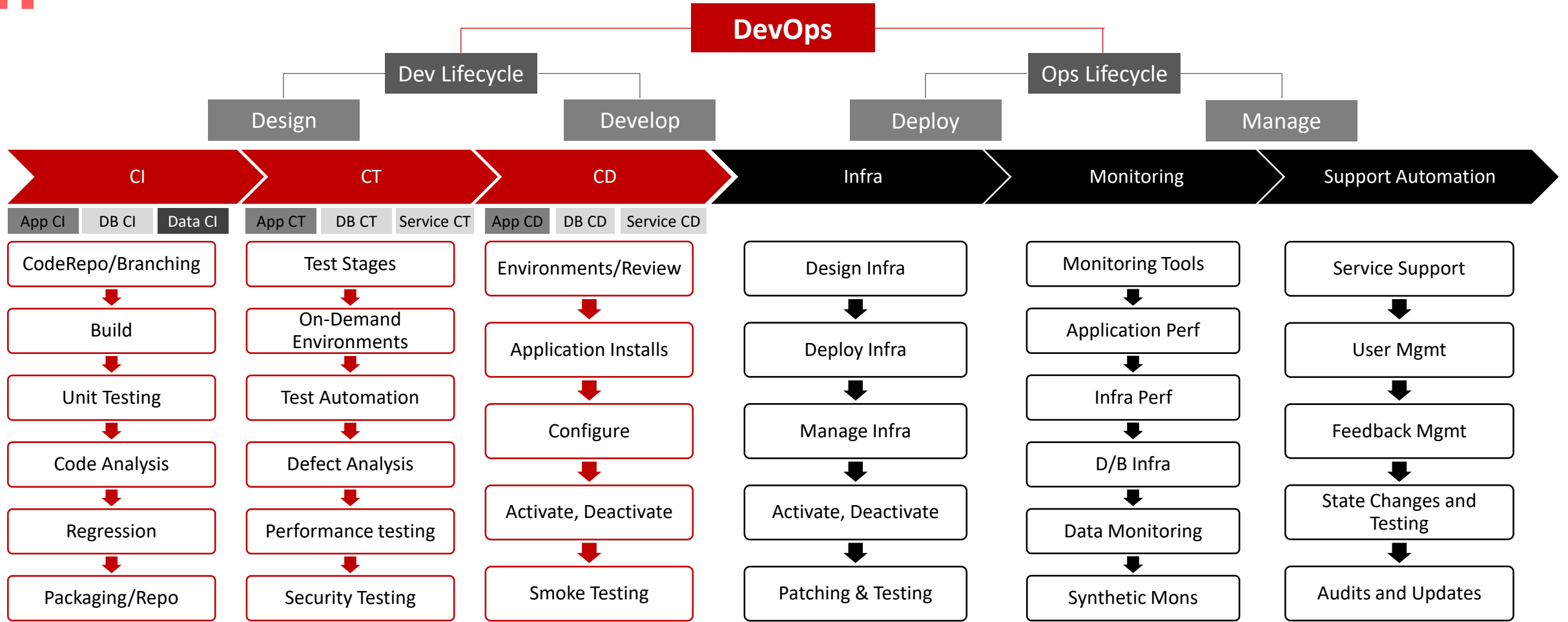
- Own Platform for managing operations
- Automated Framework for DevOps
- Automated Framework for CloudOps



# Technology Expertise – at a Glance



# DevOps Processes and Services



Business Dashboard – Feature flow, Collaboration, Feedback and Monitoring Analytics

## Sonata Platform Services

- SonataReady – Rapid Engineering Platform
- Sonata Custom – Custom DevOps Platform

## Sonata DevOps Services

- Project Services
- Managed Services
- Automation Services



# MARQUEE CLIENTS

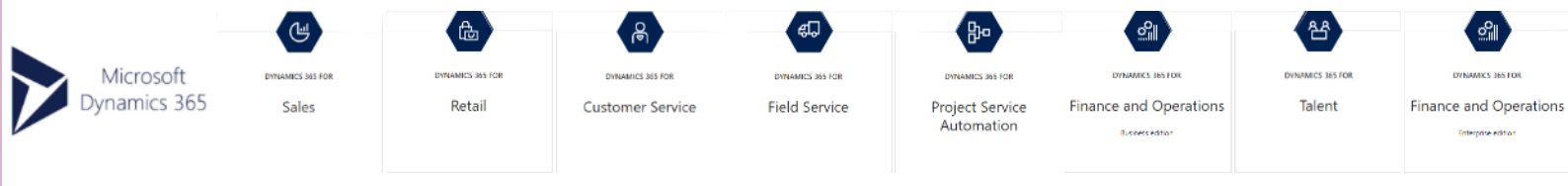


# Technology Depth: Microsoft Full Stack

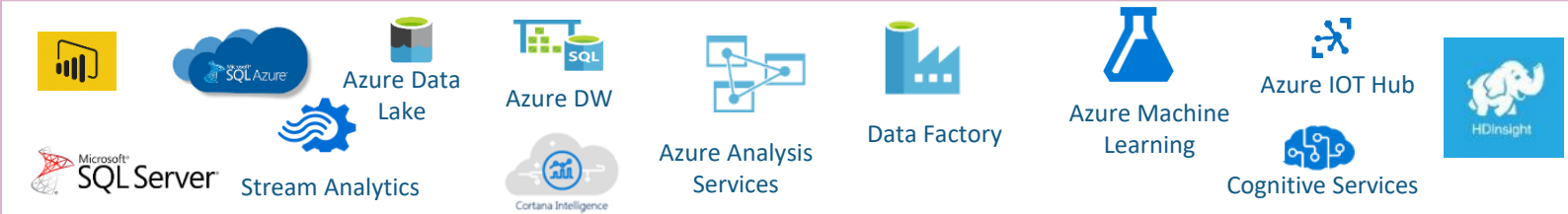
**Modern Workplace**




**Business Applications**




**Data & AI**



**Apps & Infra - structure**



**Integration & Aggregation**





Thank You

