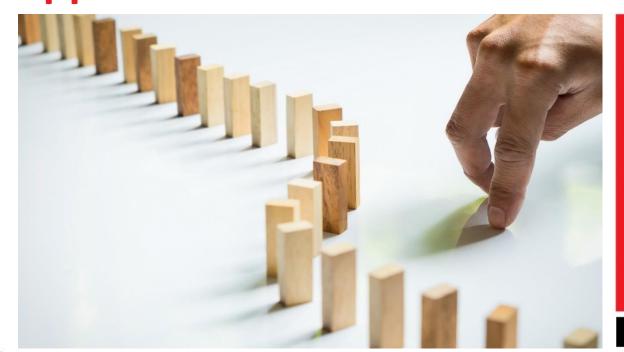
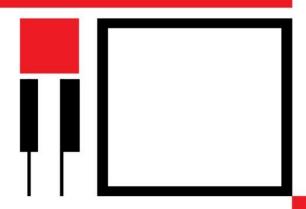




Sonata Software Application Modernization with App Service





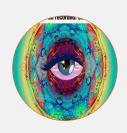




Digital Agenda and Modern Infrastructure

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

- produce products and services (Sambamurthy et al. 2003).



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

Digital Business Models

Increase Global Reach

Newer Business Models

Digitizing Customer Acquisition & Relationships

Personalized Experience

Engineer "New" Digital **Products and Services**

Products/ Services

Digital Operations

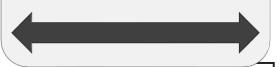
Digital Organization and Improved Decision Making

digital workflows

Agile, Self Service

Decision Collaboration

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.



greater speed and lower costs

offer their customers opportunities to co-design and co-

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

Need for Scale of operations and deliver features at speed to the market

Need for Consistent customer experience and Intelligent Customer Service

Need for Collaboration at Scale and Automated operations

Need for Unconstrained Innovation & Access to Technology

Need for Modern Infrastructure

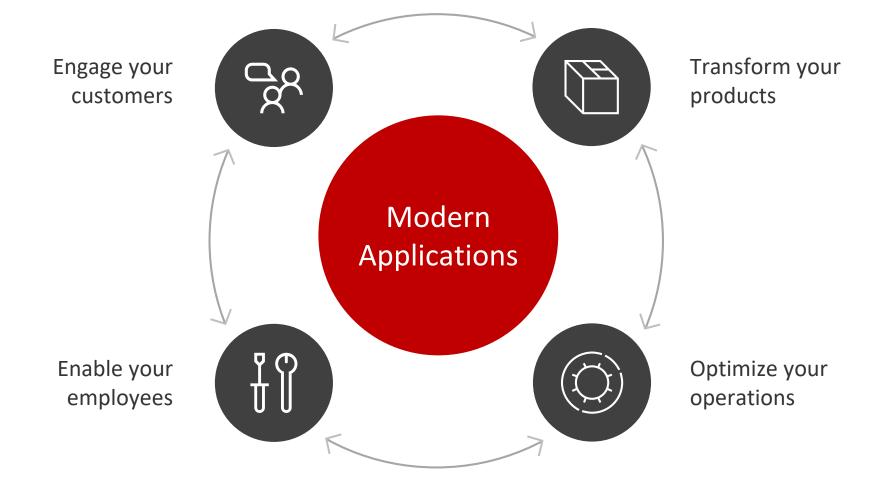
- To Dynamically Scale Compute as per demand,
- 2. To Store and process data for global scale
- 3. To Offer Services for Superior Customer Experiences
- To Offer automation architecture for optimizing resources
- 5. To Process data/ IOT data for Smart Operations/Self healing

Digital Cloud
Infrastructure for
Modernization
Powered by Sonata
CloudPlatformation



App innovation fuels digital transformation





Source: Microsoft



Cloud is an enabler of Modernization of Digital Infrastructure



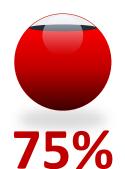
Modernization use cases on cloud

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





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.



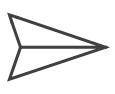
Application Modernization journey



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







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



Service Description



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

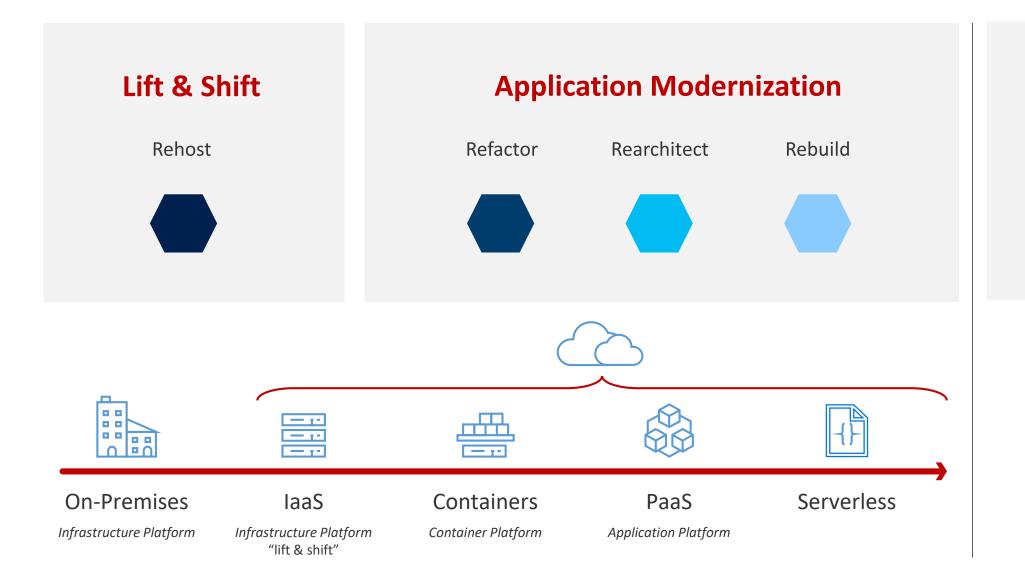
Fans get real-time experiences with Real Madrid

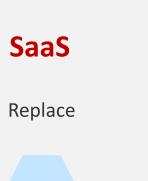
Source: IDC White Paper | The Business Value of Microsoft Azure SQL Database Services



Breaking down the Application migration journey



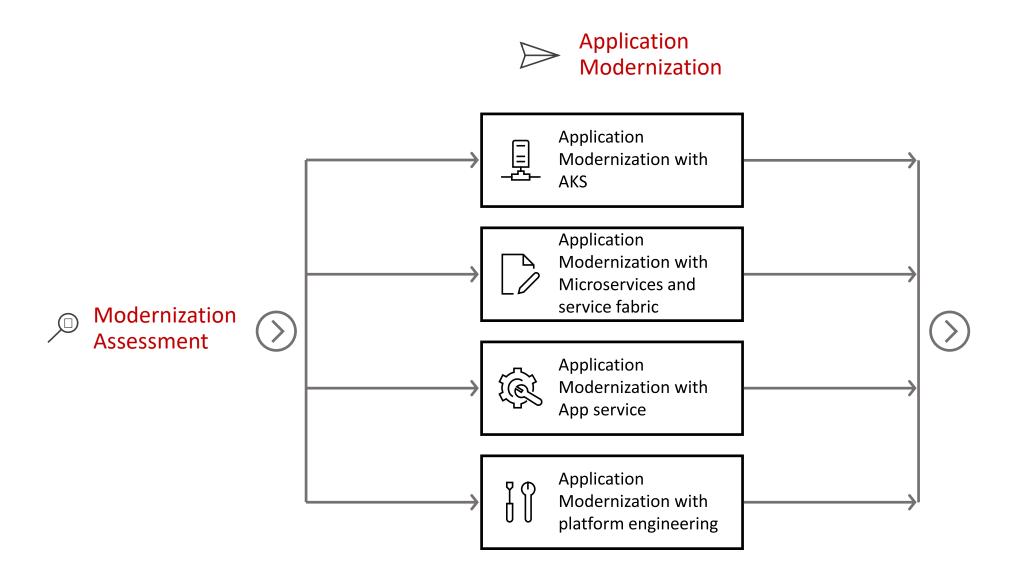






Application Modernization Options





Ш

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

Sonata Software copyright 2018

Source: Microsoft



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

Sonata Software copyright 2018 Source: Microsoft



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

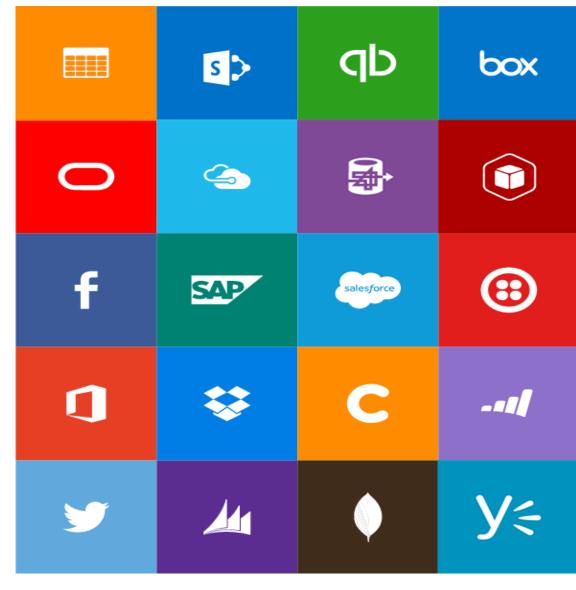
Protocols

- 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



Sonata Software copyright 2018

Source: Microsoft





Azure Cloud Capability

Our Capability - Expertise

SONATA
SONATA SOFTWARE

CSP, MSP, ISV Dev Center, ESP

Experience of managing 150+ azure engineering engagements

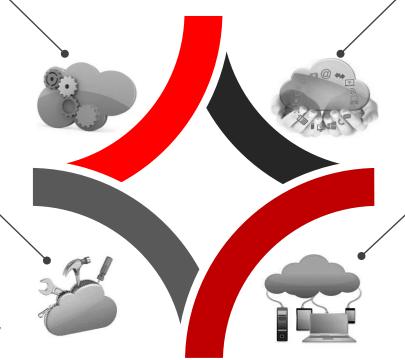
CoE for Azure Infra, Engineering and DevOps 100+ CSP/ Managed Service Customers

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

Methodology

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



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

Framework / Automation

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























Technology Expertise – at a Glance



Operating System

Windows

Linux and Unix

Databases

Traditional RDBMS -Microsoft SQL, Oracle, DB2

Opensource – Postgres, My SQL

NoSQL – Cosmos, AzureSQL, MongoDB, Maria, Azure Cache

MS 365

Windows 10

Office 365 and Messaging

Office 365, Messaging and collaboration

Cloud Services

Assessment – CloudAmize, Corent, UnifyCloud Migration Tool- Zerto

Azure Migrate, DB migrate

VMs, containers, Storage, AKS, VPN, Policy, Import-Export, Servicebus, Data factory

AppService, Service fabric, AKS, Azure functions, Azure Automation, API mgmt., Logic Apps, Search

Enterprise Management Tools

Microsoft System Center SCOM, SCCM, SCVMM, OMS,

Symantec, Ntapps, Sophos, WebSense, ASR, Azure backup, Express route, VPN

SolarWinds, HP Openview, Splunk, Manage Engine, Tivoli, Remedy, ICCM, Nagios

Newrelic, OTRS, Zabbix, Librato, Splunk, Azure Monitor, Network watch, Cost Optimization

DevOps

Automation & Orchestration Chef, Ansible, Terraform

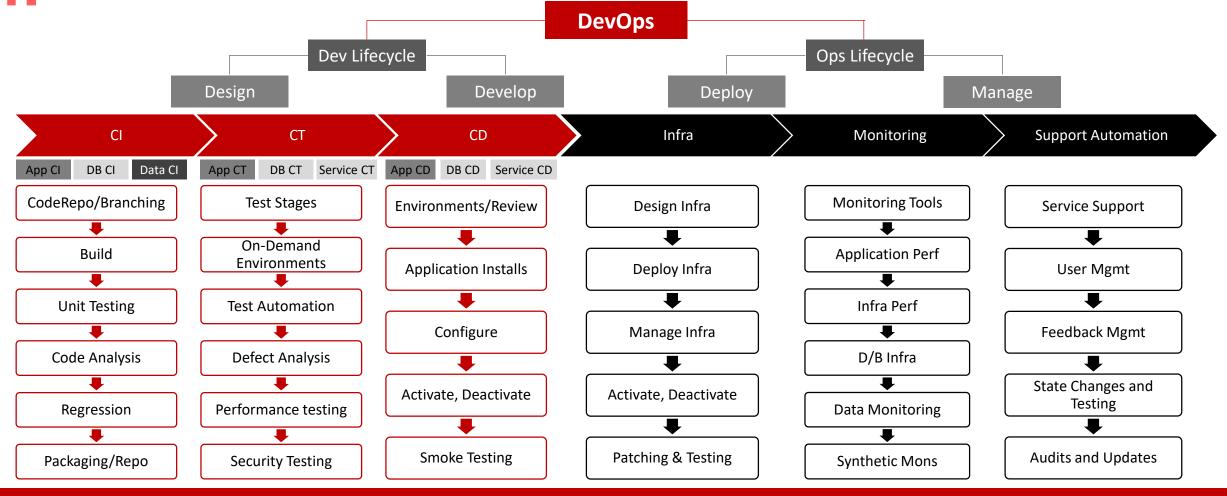
Build, Deployment and Test management tools Jenkins, Jira, Bugzilla, Fortinet, Jmeter etc

Azure DevOps, Sonata Rapid DevOps platform



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



















































QATAR DUTY FREE











TOTAL INSURANCE SOLUTIONS

Technology Depth: Microsoft Full Stack













Microsoft Flow









Applications Business















Azure Integration Services

Integration &

Aggregation

BizTalk Server

 \overline{A} Ø Data















Learning



















Apps & Infra structure





















Azure Services









Cognitive Services





Thank You

