AZURESMART APP MODERNIZATION WORKSHOP

Azure Service Fabric and Containers

ARE YOUR APPLICATIONS READY FOR TOMORROW?

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Today

- Silo'ed applications built in isolation
- Limited set of platforms and form factors
- Overabundance of data
- Servers and infrastructure to manage
- Upfront capacity planning, fixed scale

Future

- Multi-channel applications covering all touchpoints
- All major platforms and form factors supported
- Data-driven intelligence in applications
- Focus on application functionality, not infrastructure
- Elastic, unlimited scale

How can I make sure that my existing applications can take maximum advantage of cloud capabilities?
It looks like I need to start from scratch or rebuild for the cloud?
How do I get started, I have so many apps!

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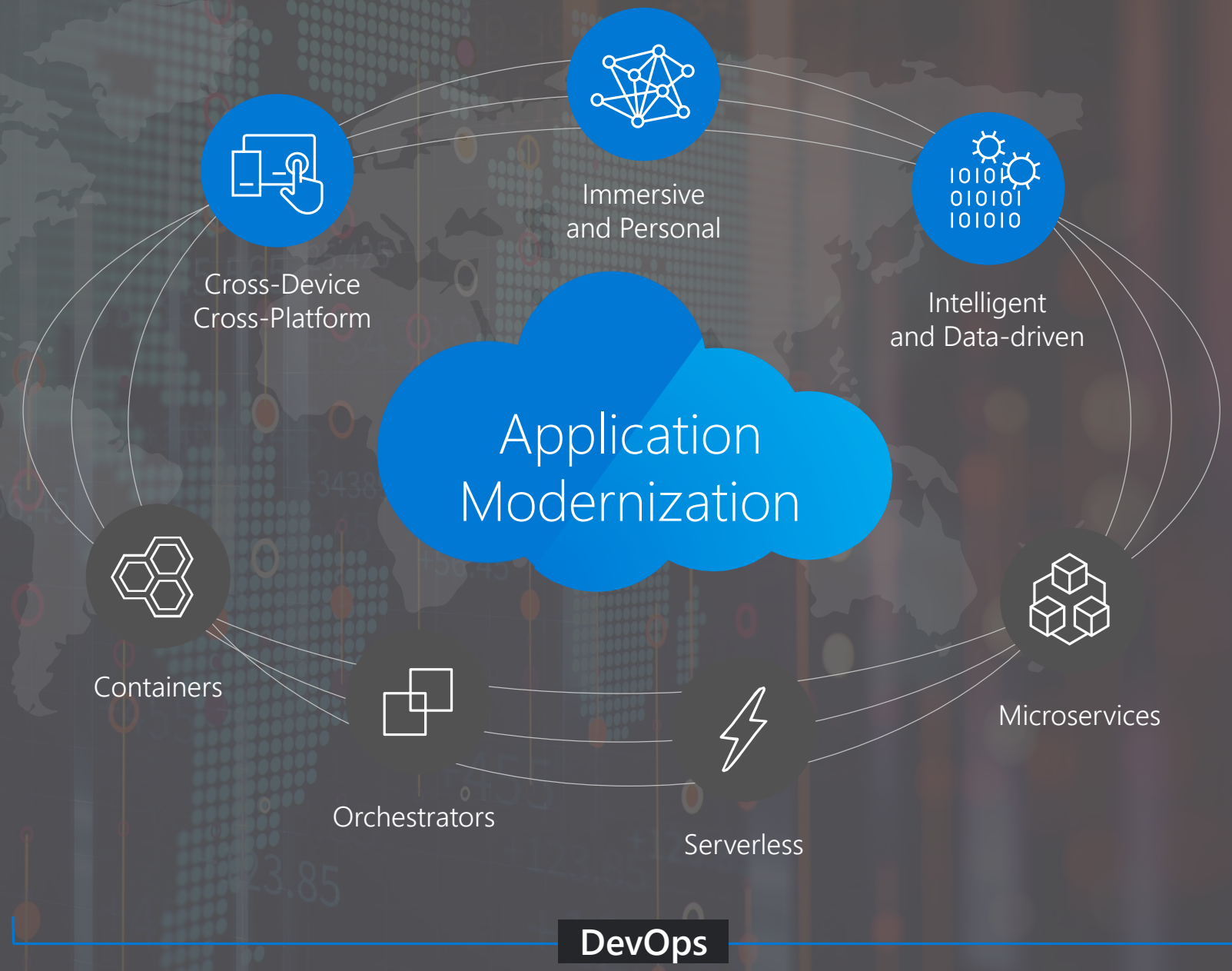
Application Experience

Application Architecture



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APP MODERNIZATION USING CONTAINERS

Powered by Azure Service Fabric

2 Weeks

Modernize Your Apps in Cloud Using Containers

Containers can help you modernize your existing applications for the modern world. This pilot offering is designed to assess and migrate your applications in Docker containers, modernize the architecture, and deploy to the cloud using Azure Service Fabric

QUESTIONS WE ANSWER

Can I deploy my application **using Containers**?

What **changes are required** to migrate my app to Azure?

Do I need **rebuild my application for containers**?

What will be my **costs in Azure using containers**?

How do I **get started?**

WHAT YOU GAIN

Analysis of application readiness for containers

Pilot for deployment using Service Fabric

Automated Deployment package for deployments in Azure

Azure Cost Projections and savings analysis

DIFFERENT PATHS FOR YOUR JOURNEY TO THE CLOUD

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App
Data
Infrastructure

	REHOST Redeploy as-is to cloud	REFACTOR Modernize using Containers	REARCHITECT/NEW Design using Cloud-Native approach
BUSINESS DRIVERS	• Reduce Capex. • Free datacenter space. • Quick cloud ROI.	• Faster, smaller updates. • Code portability. • Greater cloud efficiency (resources, speed, cost).	• Accelerate innovation. • Build apps faster. • Reduce operational cost.
CORE TECHNOLOGIES	**IaaS**	**AZURE SERVICE FABRIC Containers**	**AZURE SERVICE FABRIC PaaS/Serverless**

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FOUNDATION WORKSHOP

MODULE	TOPICS	DELIVERABLE	DURATION
APP MODERNIZATION BEST PRACTICES AND TRENDS	• A review of trends and best practices • Review of 5R options and different technology alternatives	Summary of trends and best practices	1 Hour
LIFT & SHIFT VS REFACTOR USING CONTAINERS VS REARCHITECT USING MICROSERVICES	• Technical deep-dive review of each options • Advantages of using each approach • Cost advantages • Use cases • Review of some of the pitfalls	Comparison and Use Cases for evaluating each approach	1.5 Hour
APPLICATION ASSESSMENT	• Review of a legacy/traditional candidate application for assessment • Technical architecture review • Current limitations and business objectives review for the application	Application assessment results	2 Hours
APP MODERNIZATION RECOMMENDATIONS	• Review of the recommendations for modernizing the candidate application	Analysis and Recommendations for App Modernization	1.5 Hour

DURATION: 1 DAY **IN-PERSON/REMOTE** **$2,500 VALUE**

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MIGRATION WORKSHOP

MODULE	TOPICS	DELIVERABLE	DURATION
APP MODERNIZATION BEST PRACTICES AND TRENDS	• A review of trends and best practices • Review of 5R options and different technology alternatives	Summary of trends and best practices	1 Hour
APPLICATION INVENTORY AND MODERNIZATION RECOMMENDATION	• Review and validate the inventory of legacy/traditional applications for modernization • Review of technology stack, deployment process and requirements • Current limitations and business objectives review for each application • Define a desired end state for application modernization	Application Inventory Assessment results	1 Day
APPLICATION MODERNIZATION PILOT	• Technical deep-dive review of a selected candidate legacy/traditional application for migration • Perform migration of the selected application using Containers in Azure and Azure Service Fabric	Application deployed in Azure using Containers and Azure Service Fabric	3 to 5 Days
MODERNIZATION ROADMAP AND PLAN	• Review key considerations for continuing the Application Modernization effort • A plan to modernize all or pre-defined list of applications including recommended approach and high-level sizing	Application Modernization Roadmap	1 Day

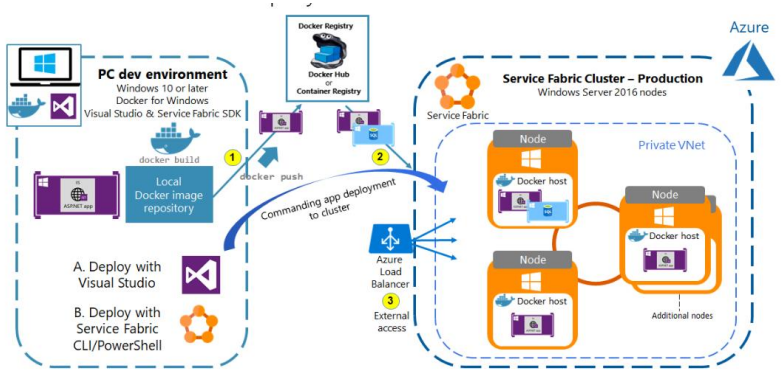
DURATION: 7 TO 10 DAYS **REMOTE** **$15,000 VALUE**

3 YEAR COST SAVINGS
TOTAL COST OF OWNERSHIP

28.01%

Server Type	Azure Pricing	Windows Pricing
All	PAYG	Azure

Azure VM Costs	702.07K
Azure Storage	132.68K
Azure Backup	40.24K
Azure Networking	3.36K
TOTAL COST OF OWNERSHIP 3YR	**874.99K**



AZURE PAAS ASF ANALYSIS

PRICING TYPE: ASF | PaaS
WIN/SQL LICENSE: AHUB | Azure
CONTRACT TYPE: PAYG | 3YR RES | 1YR RES

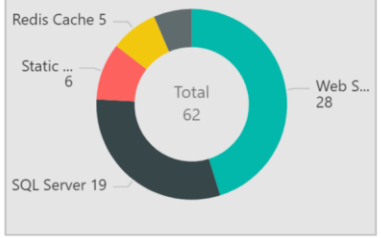
IN SCOPE: Yes | No

Linux Windows

9	53

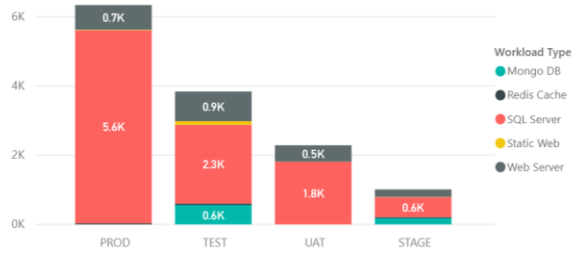
SERVER COUNT
62

WORKLOAD TYPE



Workload	Total Cost
SQL Server	10253
Web Server	2258
Mongo DB	734
Static Web	124
Redis Cache	111
Total	**13480**

Environment	Total Cost
PROD	6341
TEST	3842
UAT	2287
STAGE	1010
Total	**13480**



AZURE SERVICE BY SERVERS

Server	Azure Service	Type	Tier	Type 2	Tier 2
QAARCHSQL01	SQL Database	Single DB DTU	S4	Gen Purpose ...	3/21
STAGINGSQLEU01	SQL Database	Single DB DTU	S3	Gen Purpose ...	4/28
QAJUPITERSQL01	SQL Database	Single DB DTU	S4	Gen Purpose ...	4/28
QAMARSSQL01	SQL Database	Single DB DTU	S4	Gen Purpose ...	4/28
QANEPTUNESQL...	SQL Database	Single DB DTU	S4	Gen Purpose ...	4/28
STAGINGSQLUS01	SQL Database	Single DB DTU	S4	Gen Purpose ...	4/28
QAPERFSQL03	SQL Database	Single DB DTU	S6	Gen Purpose ...	4/28
QAPLUTOSQL01	SQL Database	Single DB DTU	S6	Gen Purpose ...	4/28
QASATURNSQL01	SQL Database	Single DB DTU	S6	Gen Purpose ...	4/28
QAVENUSSQL01	SQL Database	Single DB DTU	S6	Gen Purpose ...	4/28

Solution Assessment Output Report Prepared By:
motifworks
February 27, 2019

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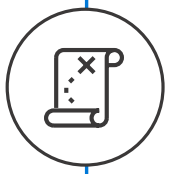
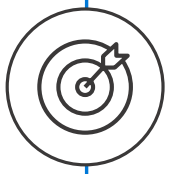
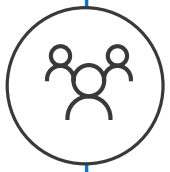
Let's Modernize Your Legacy Application For Cloud Using Azure Service Fabric And Containers



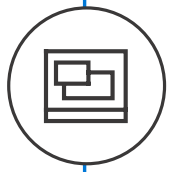
Review your **Application portfolio** inventory and identify application for pilot



Complete an **App Modernization Assessment**



Partner with Motifworks for Service Fabric Pilot



Create your **roadmap to modern apps**