

IBM Strategic Partners

IBM & Microsoft

Azure Accelerator – For Cloud Transformation Journey

IBM Consulting

June 2022



01

Cloud Transformation
Triggers and Why Azure ?

02

IBM Approach for
Azure Accelerator
(MVP)

03

IBM Solution Offerings
for Azure

04

IBM
Discovery/Migration/
Modernization
Services

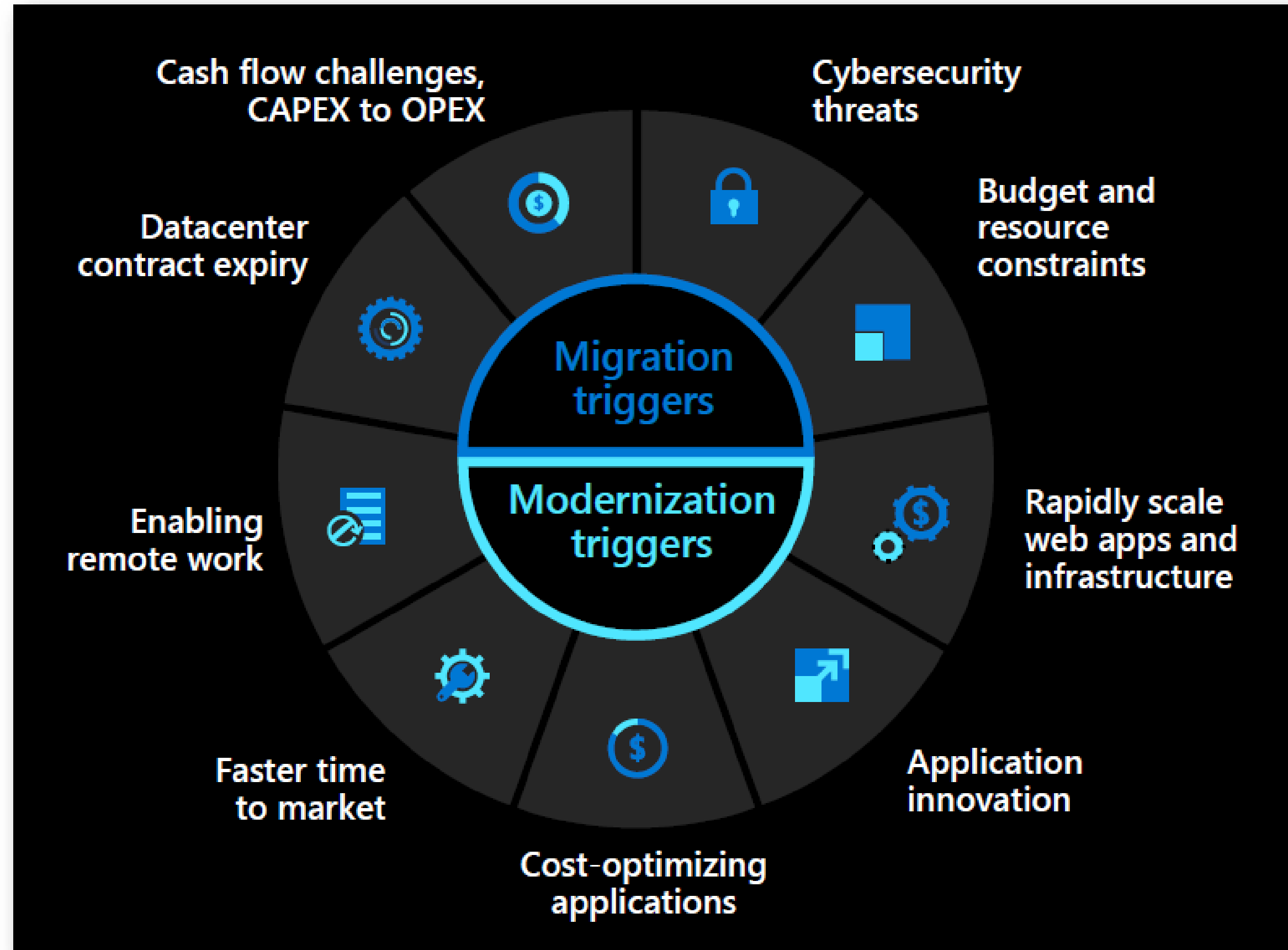
05

Tools & Accelerators

06

Azure Incentives

Cloud Migration and Modernization Triggers



Why Azure ?



**Enterprise-grade
infrastructure for less**



**Faster innovation with
a fully managed
platform**



**Trusted cloud
security to protect
valuable assets**



**Hybrid flexibility to
move on their terms**

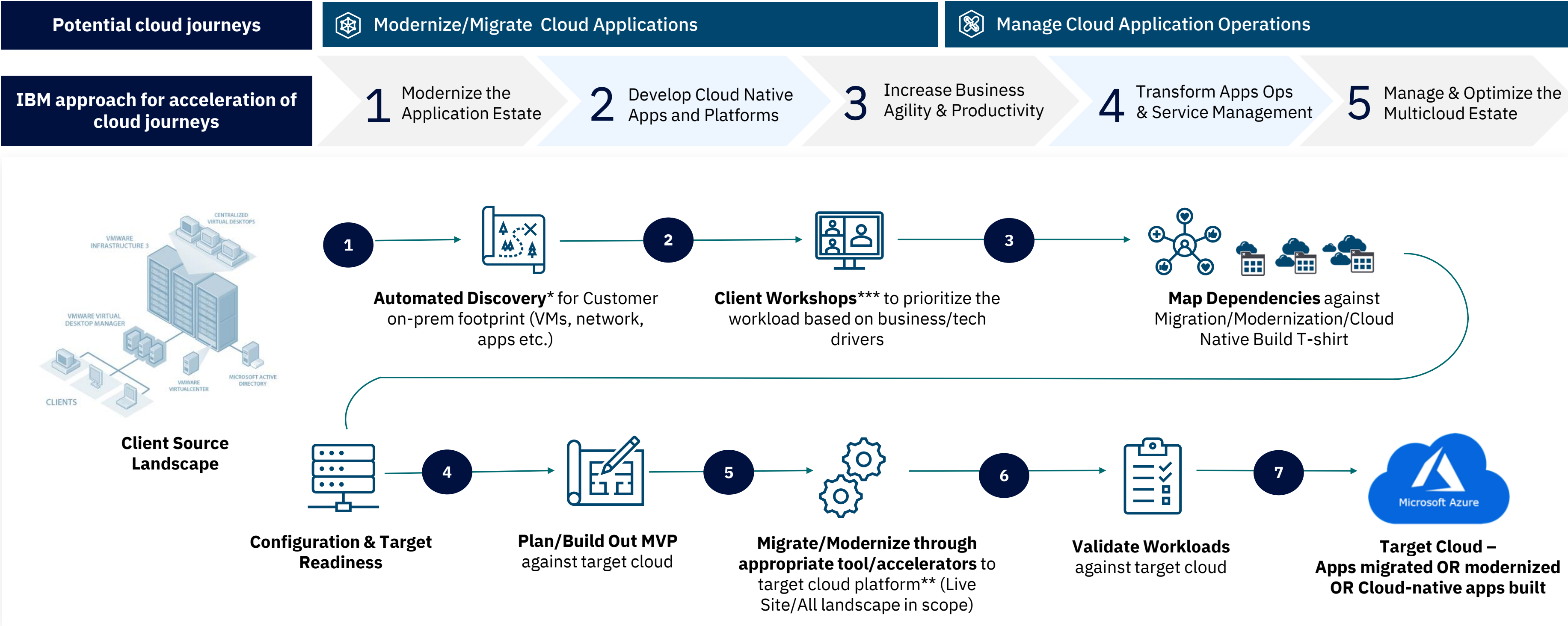


**Drive sustainability
initiatives**

**Comprehensive programs for a
high-confidence move**



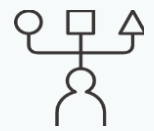
Client Cloud Journeys & IBM Approach for Acceleration of Azure Journeys



IBM Solution Offerings



Advisory



Multi-Cloud Strategy, Architecture and Design

Identify modernization opportunities in a subset of the customer ecosystem

- ETOM – Enterprise Target Operating Model
- HCT Strategy & Architecture
- AMR / FTVP



IBM Garage

Visioning, design thinking and Agile build activities, co-located with stakeholder & programming teams



Move



Migrate to Azure Cloud

- Factory based modular approach to migration purposefully fit to client's cloud adoption needs
- Azure offerings & IBM Assets
- IBM OpenShift assets



Modernize for Azure Cloud

Refactor reinsurance platform leveraging cross-cloud alliances to build flexible hybrid cloud solutions



Build



Build Cloud-native Applications

- Build and Deploy on Azure Cloud- leverage the most appropriate cloud services for the solution.
- Leverage maximum portability

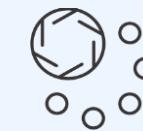


Build Multi-Cloud Environment

Design, provision and deploy a cloud-native environment “ready to manage”



Managed Services



Multi-Cloud Application Monitoring & Management

- Instantiate and manage the cloud platform on Azure Cloud for the reinsurance platform through integrated DevOps and service management

IBM Consulting Discovery, Migration and Containerization Services

1

Discovery as a Service (DaaS)

- Discovery & Dependency discovery
- Capacity Planning
- Update central repository
- Platform Point of View for Migration

4 to 8 weeks time box - up to 500 apps

2

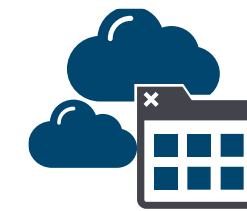
Migration as a Service (MaaS)

- Get to Cloud First
- Leverage DaaS or Client Discovery data*
- Factory based delivery
- Timebox Point A 2 B Migration



Up to 4 weeks

- Up to 8 Apps (simple)
- <=5 Database
- <100GB Database Size
- No of Interface: <=2



Up to 8 weeks

- Up to 16 Apps (simple to medium)
- Up to 7 Database
- <500GB Database Size
- No of Interface: <=3



Up to 12 weeks

- >up to 16 Apps (medium to complex)
- Up to 10 Database
- Up to 1 TB Data/DB
- No of Interface: <=5

3

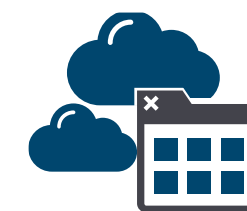
Container as a Service (CaaS)

- Get to Cloud First
- Leverage DaaS or Client Discovery data*
- Factory based delivery



Up to 4 weeks

- 5 applications of small complexity
- 12 factor compatible apps
- No Code & Security Remediation



Up to 8 weeks

- 8 applications
- 5 simple and 3 medium applications
- Code remediation limited to Runtime & Middleware Upgrades & Security posture



Up to 16 weeks

- 12 applications (5 simple, 5 medium applications, 2 large apps)
- Code Remediation limited to Runtime/Middleware upgrades, Middleware Conversion and Security Posture remediation

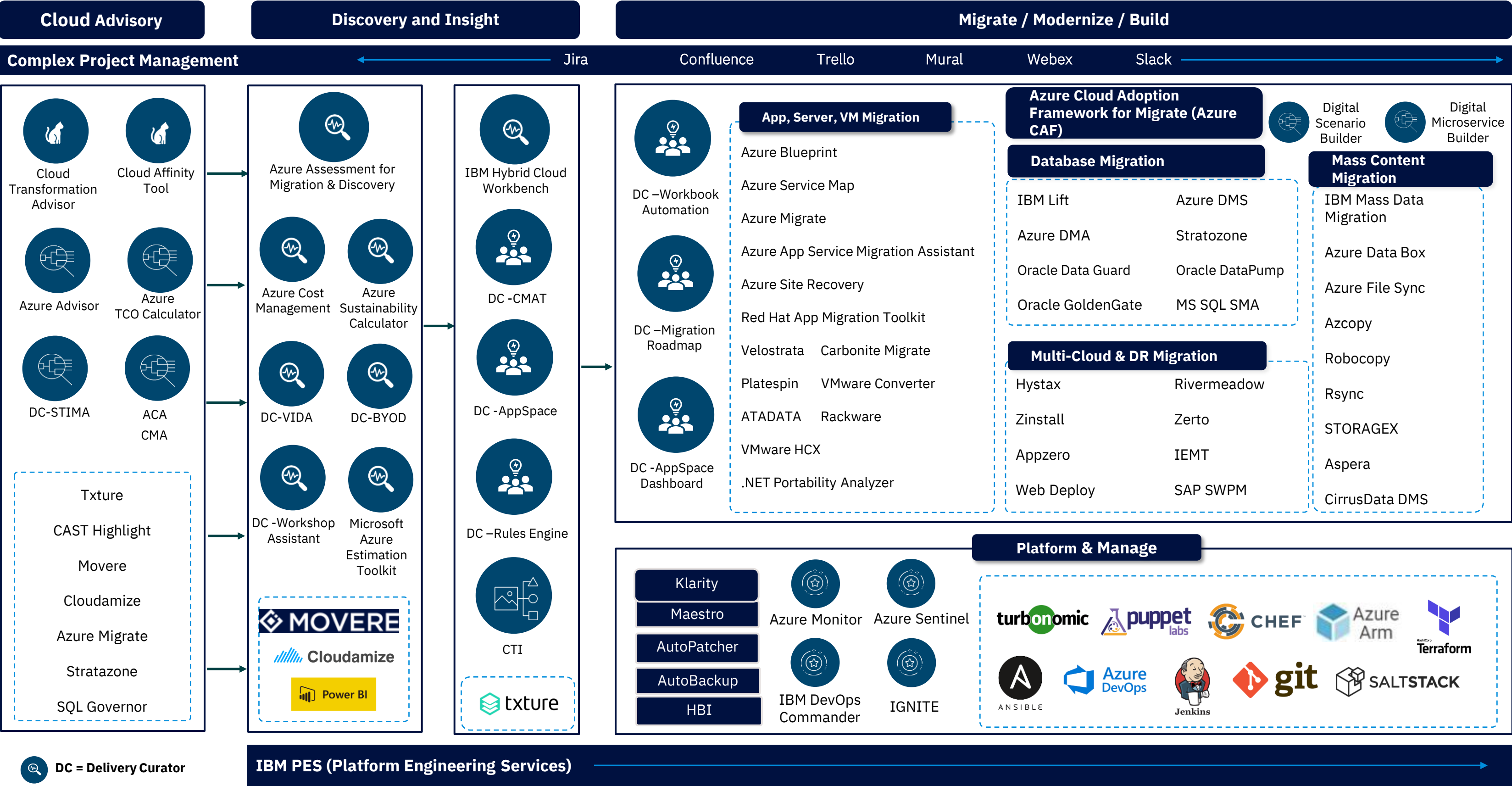
Migration Models – DaaS and MaaS - Detailed

	DaaS Upto 8 weeks	MaaS - Small Upto 4 weeks	MaaS - Medium Upto 8 weeks	MaaS - Large Upto 12 weeks
Scope	<ul style="list-style-type: none"> <500 apps/2500 VMs Capacity Planning Update central repository Platform Point of View for Migration 	<ul style="list-style-type: none"> Migrate upto 8 Apps <=5 Database <100GB Database Size No of Interface: <=2 <10 Batch Jobs No code changes 	<ul style="list-style-type: none"> > 8 & upto 16 Apps >5 & upto 7 Database <500GB Database Size No of Interface: <=3 10-15 Batch Jobs <=20-page code changes <=50 program code changes 	<ul style="list-style-type: none"> >16 & upto 40 Apps 8 to 10 Database Upto 1 TB Data/DB No of Interface: <=5 15-20 Batch Jobs >20 & <50-page code changes <=100 program changes
Pre-requisites	<ul style="list-style-type: none"> Access to the source infrastructure Custom Scripts installation on all the servers/VMs landscape (optional) Applications owners/SMEs availability Security Clearance 	<ul style="list-style-type: none"> 2 weeks of validation and preparedness Inputs from Client Workshops Existing knowledge and repository from current app portfolio Applications owners/SMEs availability Dependency on vendors managing business applications 	<ul style="list-style-type: none"> Discovery stage Outcome & Reports Inputs from Client Workshops Existing knowledge & Applications owners/SMEs availability Stakeholders' coordination for cutover event Dependency on vendors managing business applications Non availability of updated applications deployment designs 	<ul style="list-style-type: none"> Discovery stage Outcome & Reports Inputs from Client Workshops Existing knowledge & Applications owners/SMEs availability Stakeholders' coordination for cutover event Dependency on vendors managing business applications Non availability of updated applications deployment designs
Deliverables	<ul style="list-style-type: none"> Application dispositions and Migration patterns (blueprints) Finalize Landing zone & Deployment Architecture Finalize Migration Workbooks and cutover plans Migration detail plan Migration tool Config setup 	<ul style="list-style-type: none"> Migration Roadmap & Planning Complexity & Validate the T-shirt size Migrate application Migration path for each application Dependencies for migration execution; Design target infrastructure 	<ul style="list-style-type: none"> Application Migration Workbook Build sheet & Firewall Configuration Tool setup Provision target Migrate Application Migrate Database Operational/Smoke Test Cutover 	<ul style="list-style-type: none"> Application Migration Workbook Build sheet & Firewall Configuration Tool setup Provision target Migrate Application Migrate Database Operational/Smoke Test Cutover

Migration Models – CaaS - Detailed

Scope	CaaS Upto 8 weeks	CaaS - Small Upto 4 weeks	CaaS - Medium Upto 8 weeks
	<ul style="list-style-type: none"> • 5 applications of small complexity • 12 factor compatible apps • No Code & Security Remediation 	<ul style="list-style-type: none"> • 8 applications • 5 simple and 3 medium applications • Code remediation limited to Runtime & Middleware Upgrades from (N-1) to N • Security posture Remediation 	<ul style="list-style-type: none"> • 12 applications(5 simple, 5 medium applications, 2 large apps) • Code Remediation limited to Runtime/Middleware upgrades from <(N-1) to N / Middleware Conversion • Security Posture remediation
	<ul style="list-style-type: none"> • Application Discovery Completed • Application fully functional in PROD • Applications owners/SMEs availability • Hardened NFR features documented • High level Deployment Architecture • Kubernetes cluster setup Complete • Access set up for team • Stakeholders' coordination for cutover event 	<ul style="list-style-type: none"> • Application Discovery Completed • Application fully functional in PROD • Applications owners/SMEs availability • Hardened NFR features documented • High level Deployment Architecture • Kubernetes cluster setup Complete • Access set up for team • Stakeholders' coordination for cutover event 	<ul style="list-style-type: none"> • Application Discovery Completed • Application fully functional in PROD • Applications owners/SMEs availability • Hardened NFR features documented • High level Deployment Architecture • Kubernetes cluster setup Complete • Access set up for team • Stakeholders' coordination for cutover event
Deliverables	<ul style="list-style-type: none"> • Containerization Workbook • Tool Setup • Container Config files • Pipeline modified/new created • Containers Deployed • Operational/Smoke Test 	<ul style="list-style-type: none"> • Containerization Workbook • Tool Setup • Container Config files • Pipeline modified/new created • Containers Deployed • Operational/Smoke Test 	<ul style="list-style-type: none"> • Containerization Workbook • Tool Setup • Container Config files • Pipeline modified/new created • Containers Deployed • Operational/Smoke Test

IBM Consulting + Azure Tools combined to accelerate Cloud journey on Azure



Microsoft AMMP (Azure Migration & Modernization Program) Incentive

Assessment/MVP/POC phases

1

Discovery as a Service (DaaS)

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Migration as a Service (MaaS)

- Get to Cloud First
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Container as a Service (CaaS)

- Get to Cloud First
- Leverage DaaS or Client Discovery data*
- Factory based delivery



AMMP Offerings			
AMMP scenario	Solution Assessment	Pilot/Proof of Concept	Cloud Adoption Framework Workshops
Any AMMP scenario (Infra/database migration; VDI; App/data modernization)	Funded by Microsoft	Up to \$10K partner funding Up to \$4K Azure credits	Up to \$5K partner funding

Any of the above offers may be used standalone or in combination

Large scale migration/modernization phases

2

Migration as a Service (MaaS)

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AMMP project milestone			
By project size	Landing zone	Migration activity	Max funding
Standard offer \$25K - \$99K/year Azure consumption (About 15 to 55 VMs)	Single milestone reflective of all above activities up to the max funding		\$20,000 USD (20% of 1 st year Azure consumption estimates)
Advanced offer \$100K - \$2.5M/year Azure consumption (About 55 to 1300+ VMs)	Recommend allocating ~30% of overall funding (Effective max: \$150,000)	Recommend allocating ~70% of overall funding (Effective max: \$350,000)	\$500,000 USD NEW (20% of 1 st year Azure consumption estimates)



