AWS re:Invent

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ENT231

Introducing AWS Mainframe Modernization service

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Amazon Web Services

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Need for mainframe change

Mainframe



Modernization drivers

- Increase agility
- Reduce costs
- Mitigate risks

Questions

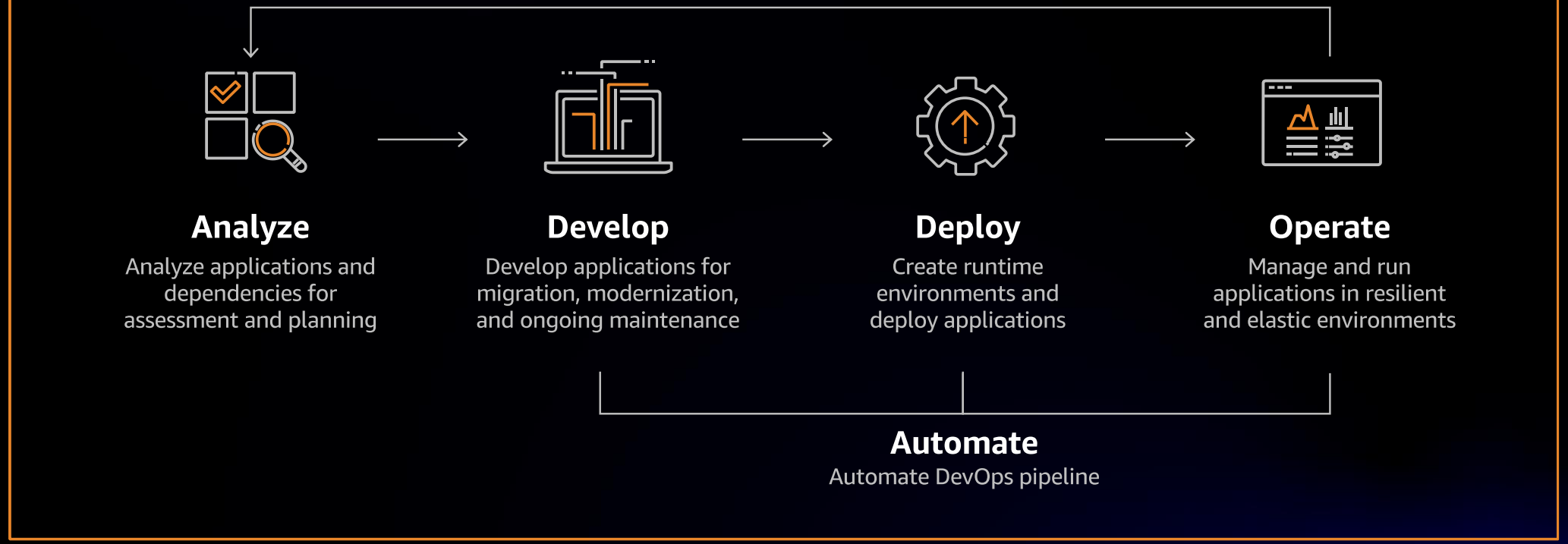
Benefits?
Prioritization?
Goals?
Timeline?
Tools?
Pattern?
Business case?
Experts?
Workload?
Sizing?
Performance?
POC?
Infrastructure?
Architecture?
Resiliency?
Security?
Mapping?
Integrations?
Operations?
Tests?

aws

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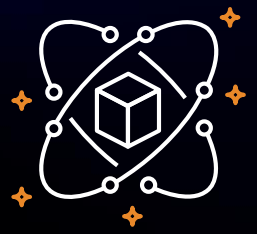
Introducing AWS Mainframe Modernization service

"AWS Mainframe Modernization service is a platform for migration, modernization, execution, and operation of mainframe applications."



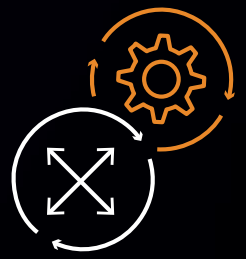
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AWS Mainframe Modernization service key benefits



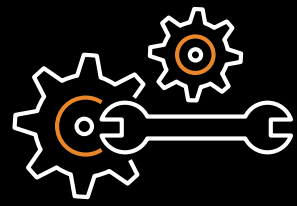
Agility

- DevOps
- On demand
- Managed



Managed service

- Fewer simpler interfaces
- Automation for operations
- Available in minutes globally



Proven toolchains

- Replatforming
- Refactoring



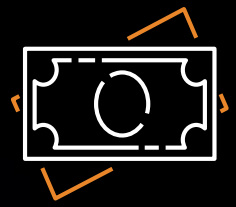
Quality of service

- Security
- High availability
- Elasticity



Fast modernization

- Incremental changes
- Efficient toolchains
- Quick benefits



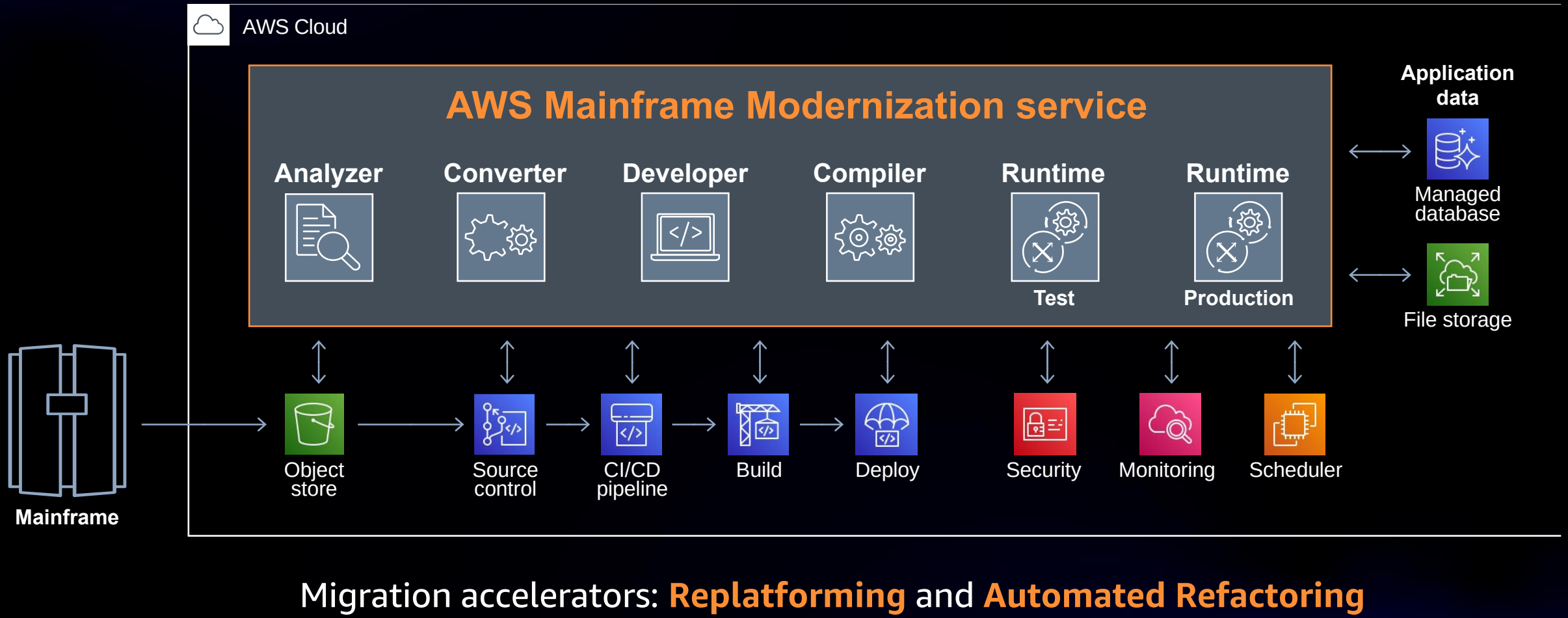
Cost efficiency

- Pay-as-you-go
- Elastic infrastructure
- Low cost of entry

aws

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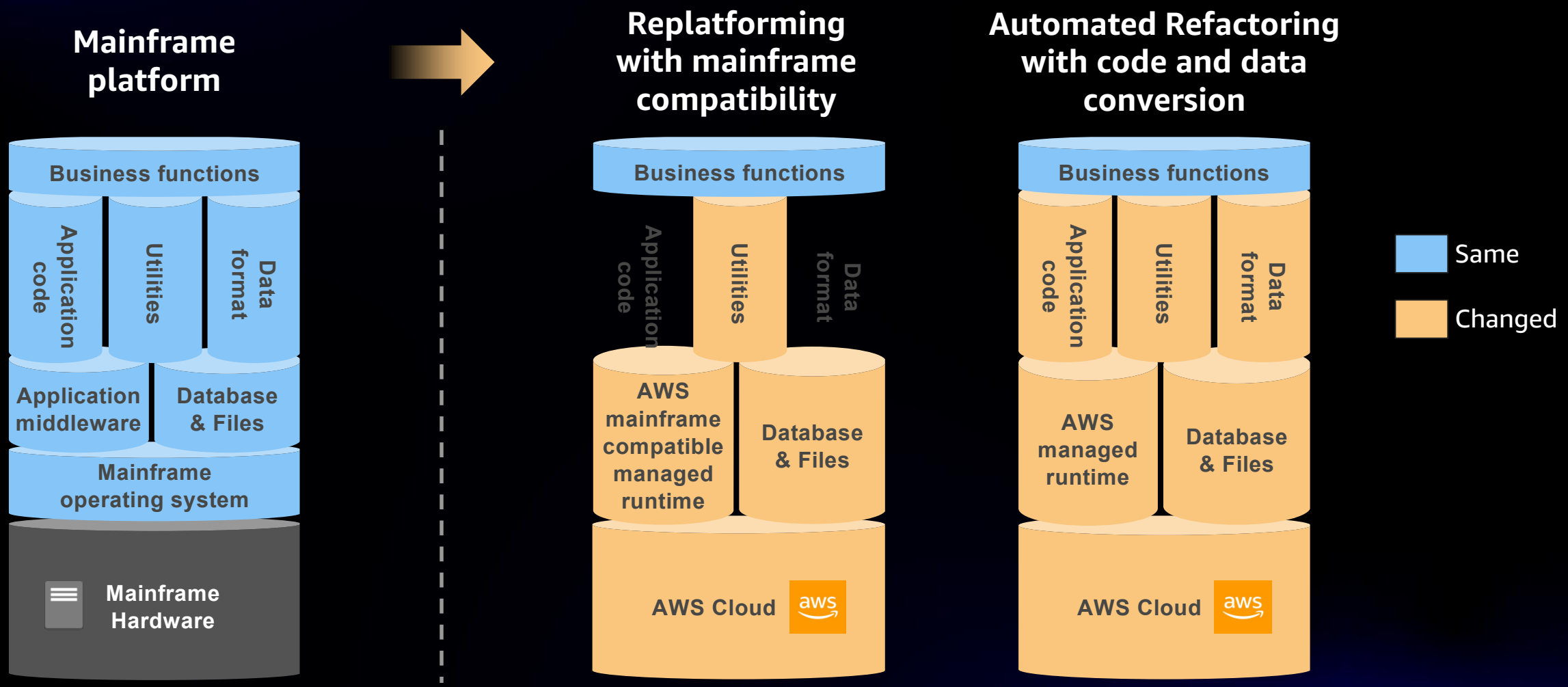
AWS Mainframe Modernization components



Migration accelerators: **Replatforming** and **Automated Refactoring**

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Migration and modernization patterns



Business functional equivalence is essential for automation and project speed

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Blu Age is now AWS



Technology for Automated Refactoring





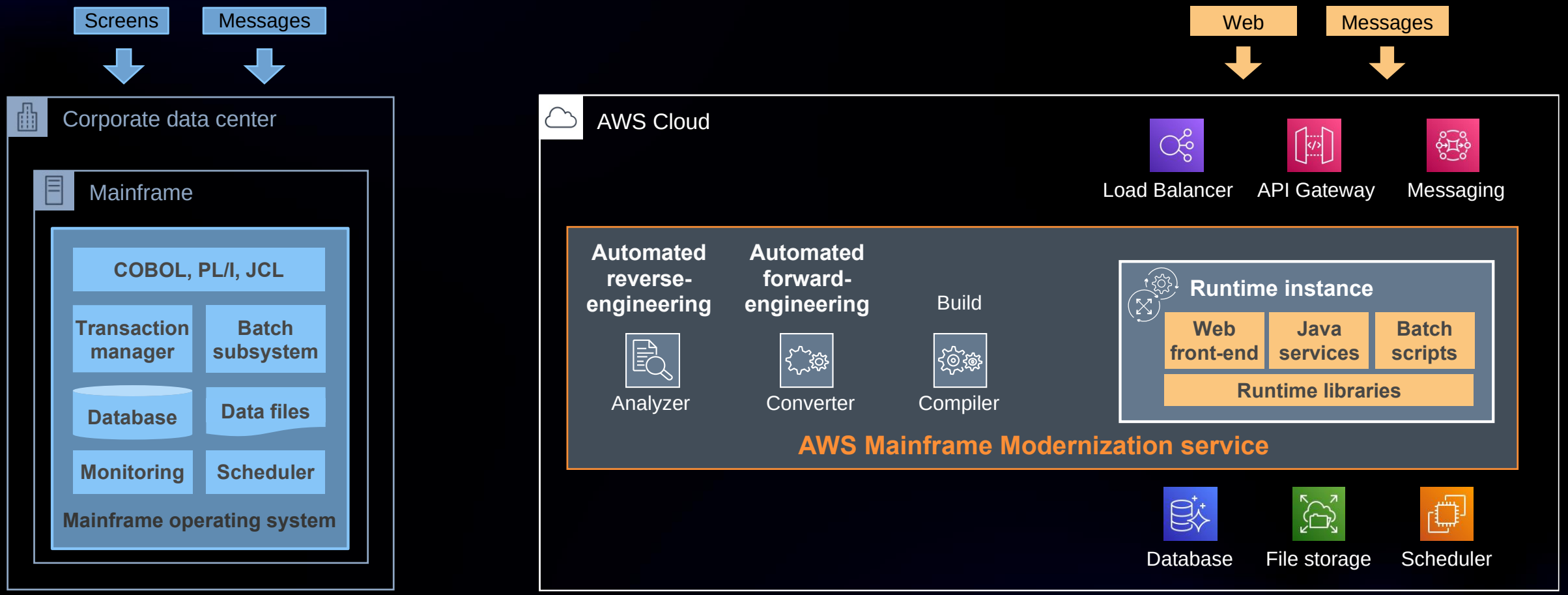


Consulting services



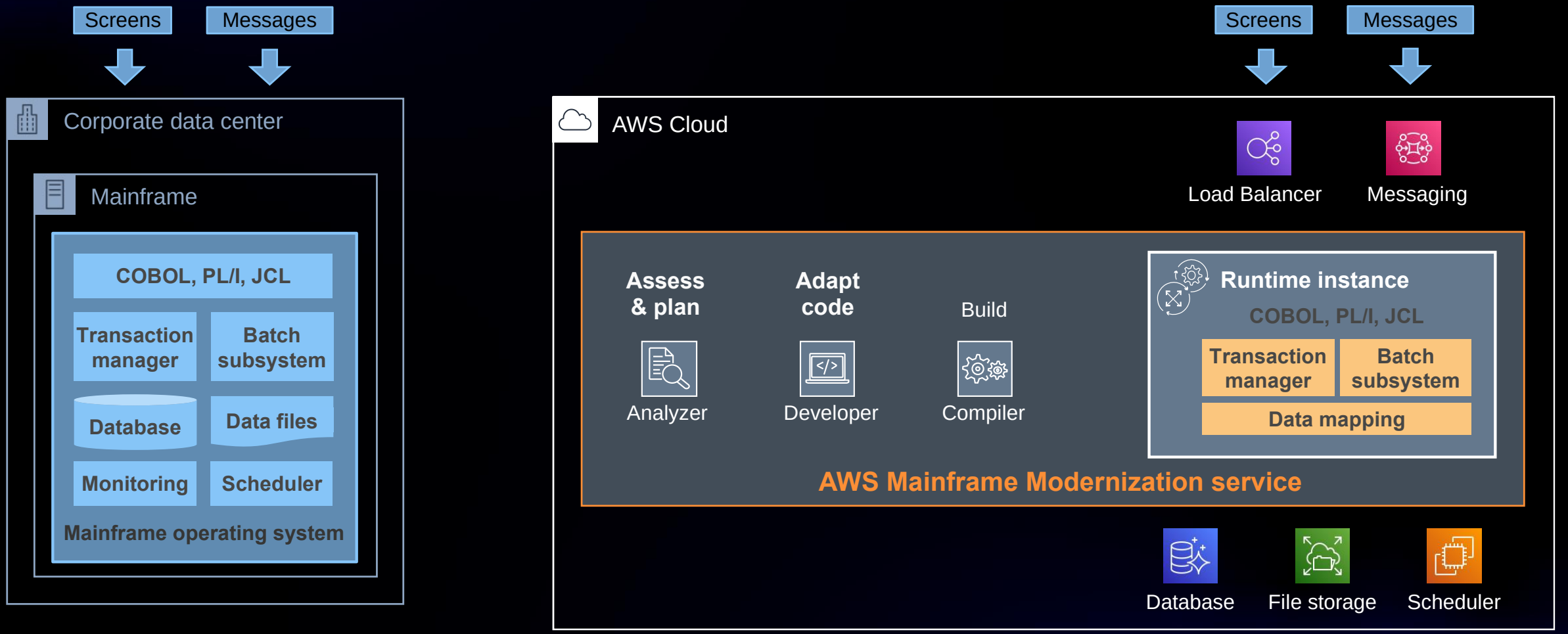
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AWS Blu Age for Automated Refactoring



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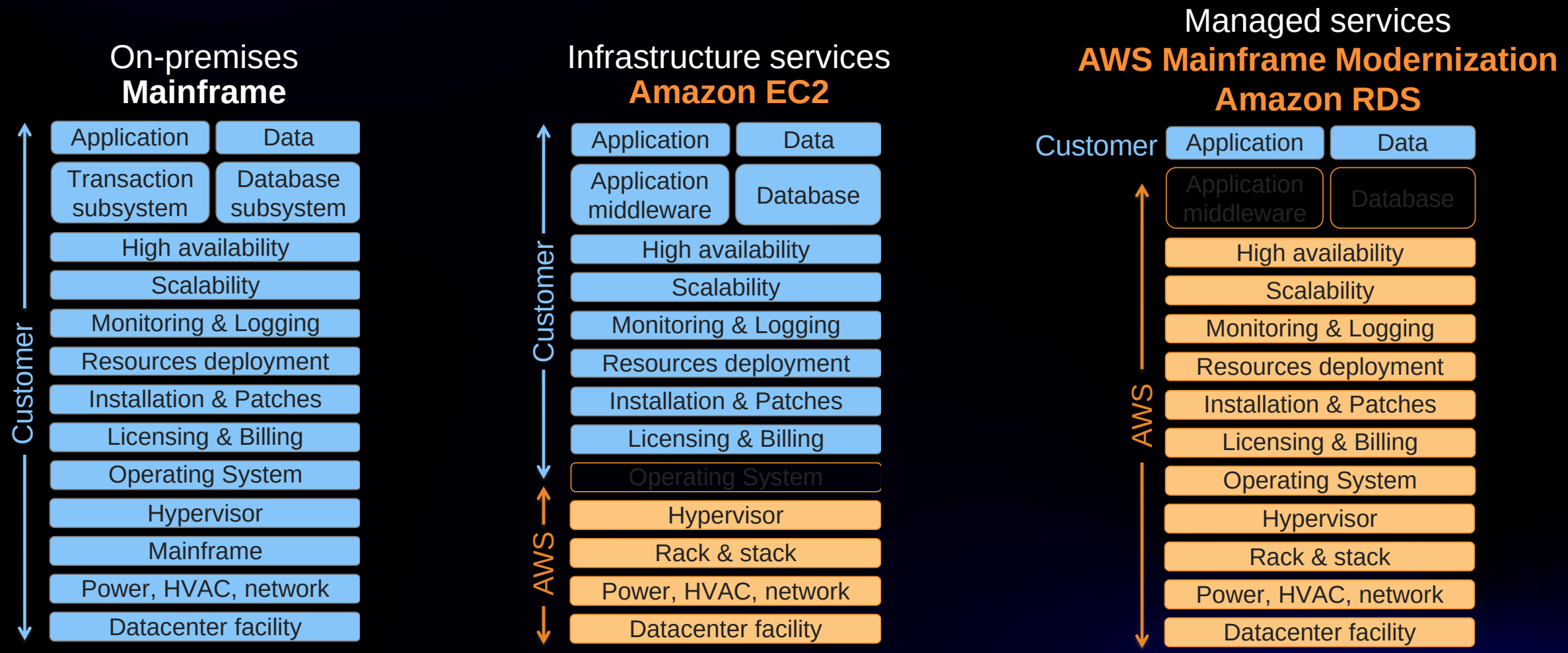
Micro Focus for Replatforming



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AWS Mainframe Modernization is a managed service

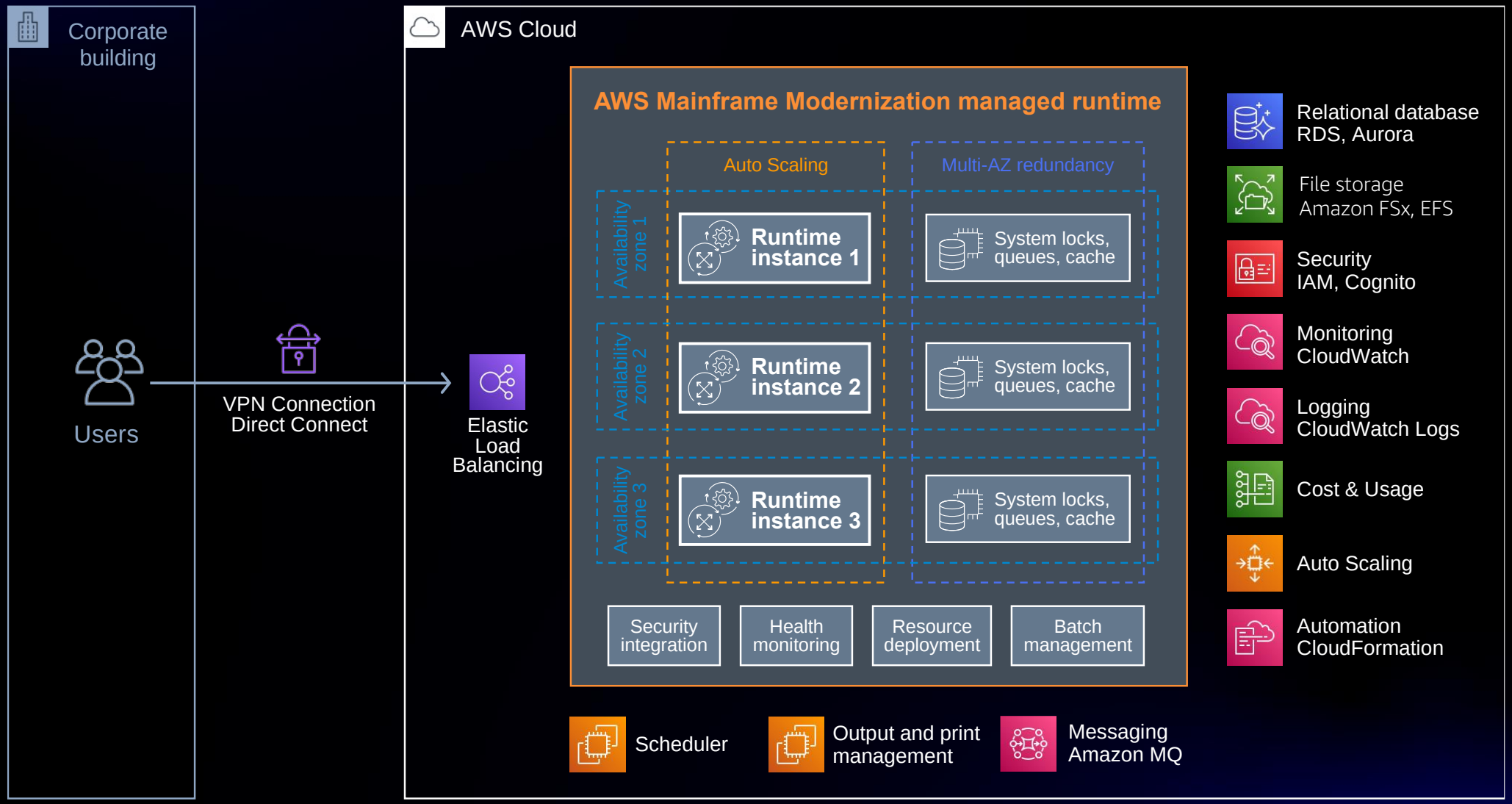
Comprehensive infrastructure resources and automation with easier interface in AWS Console and CLI
Not a Managed Service Provider (MSP) offering



Spend time innovating and building new capabilities, not managing infrastructure

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Runtime architecture

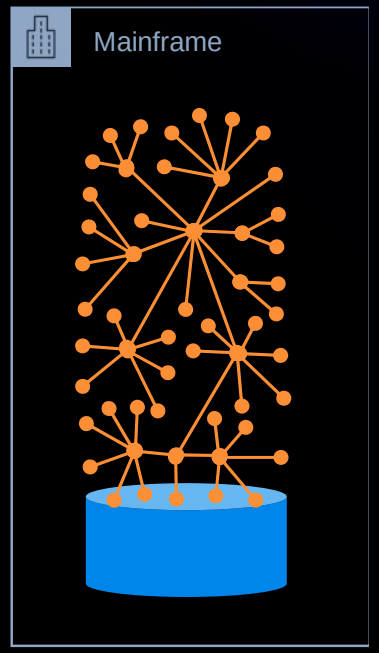


High availability, security, scalability, elasticity, system management

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Accelerate evolution to agile services

Monolith

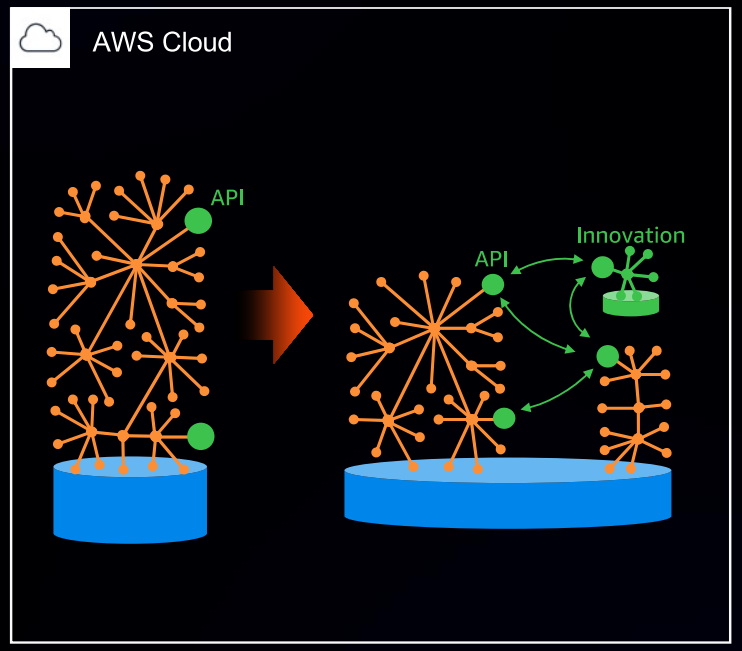


Tightly-coupled programs

Shared data store

Short-term migration

Macroservices

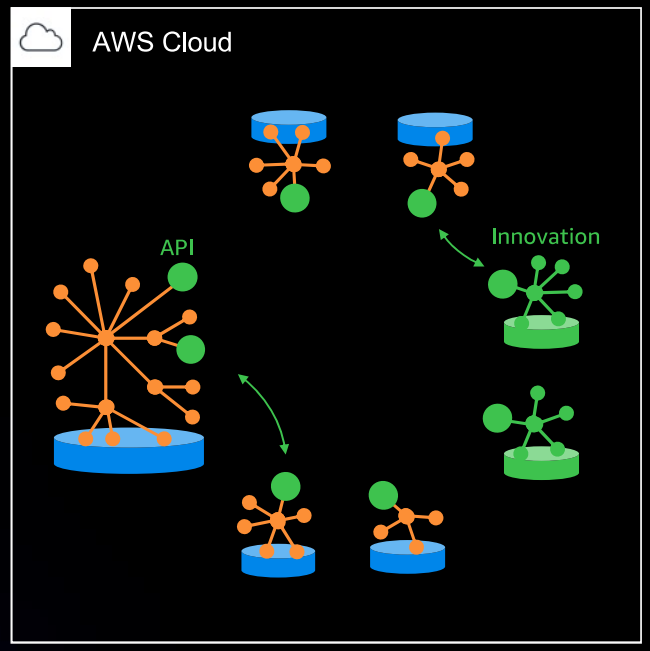


API enablement

Shared database

Mid-term optimization

Microservices



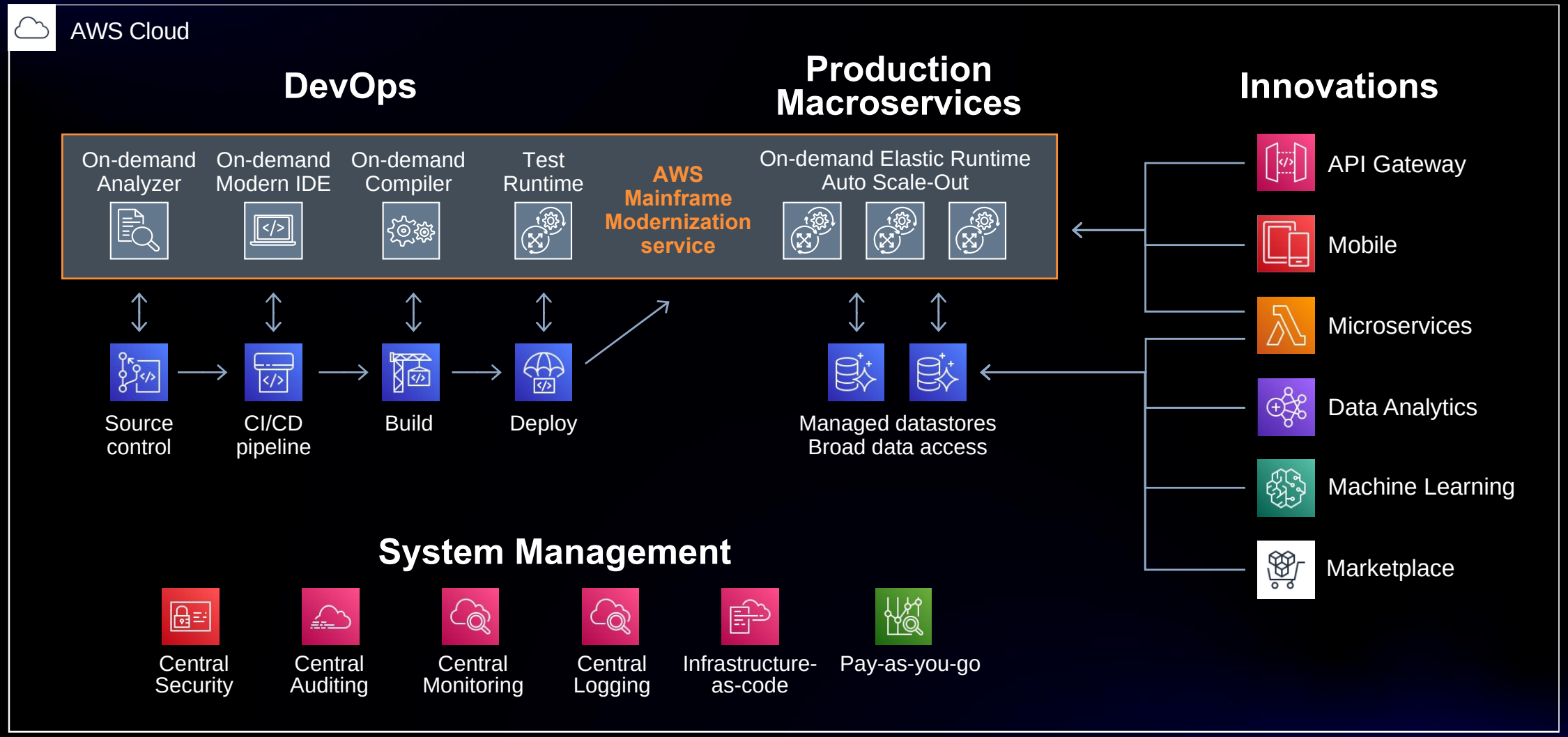
Service extraction

One database per service

AWS Mainframe Modernization service

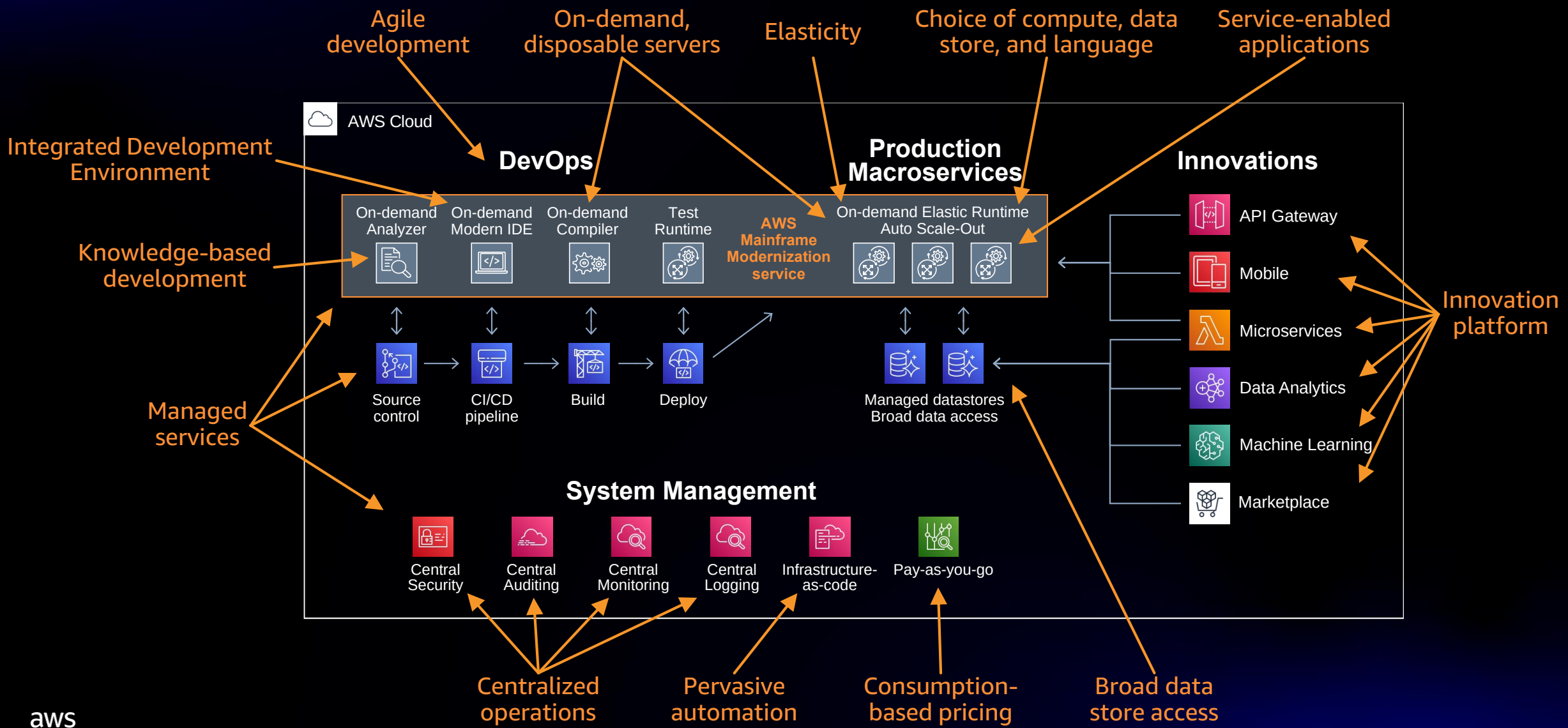
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Short-term architecture



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Agility gains

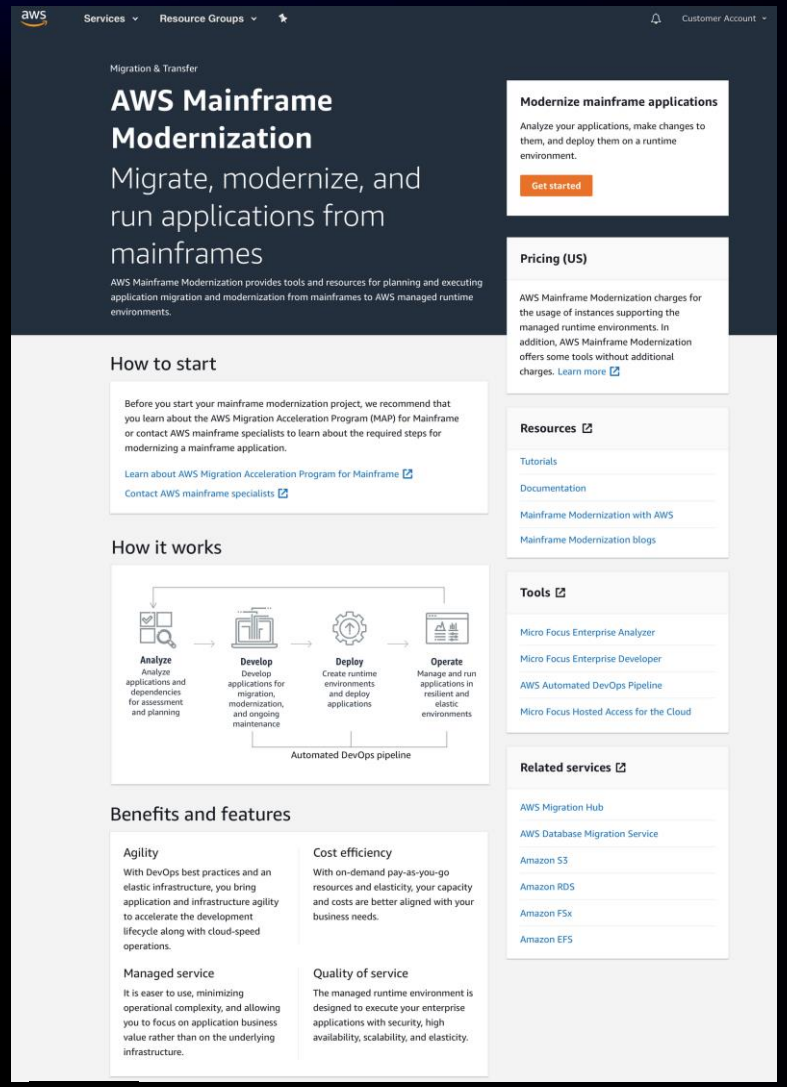


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How to get started

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Now available in preview



- AWS Mainframe Modernization public preview
  - Console available in preview
  - Demonstration tutorials
- Blu Age solution now available from AWS
- Micro Focus toolchain now available from AWS
  - Start projects now
  - Transition to managed service when suitable

https://console.aws.amazon.com/m2/home

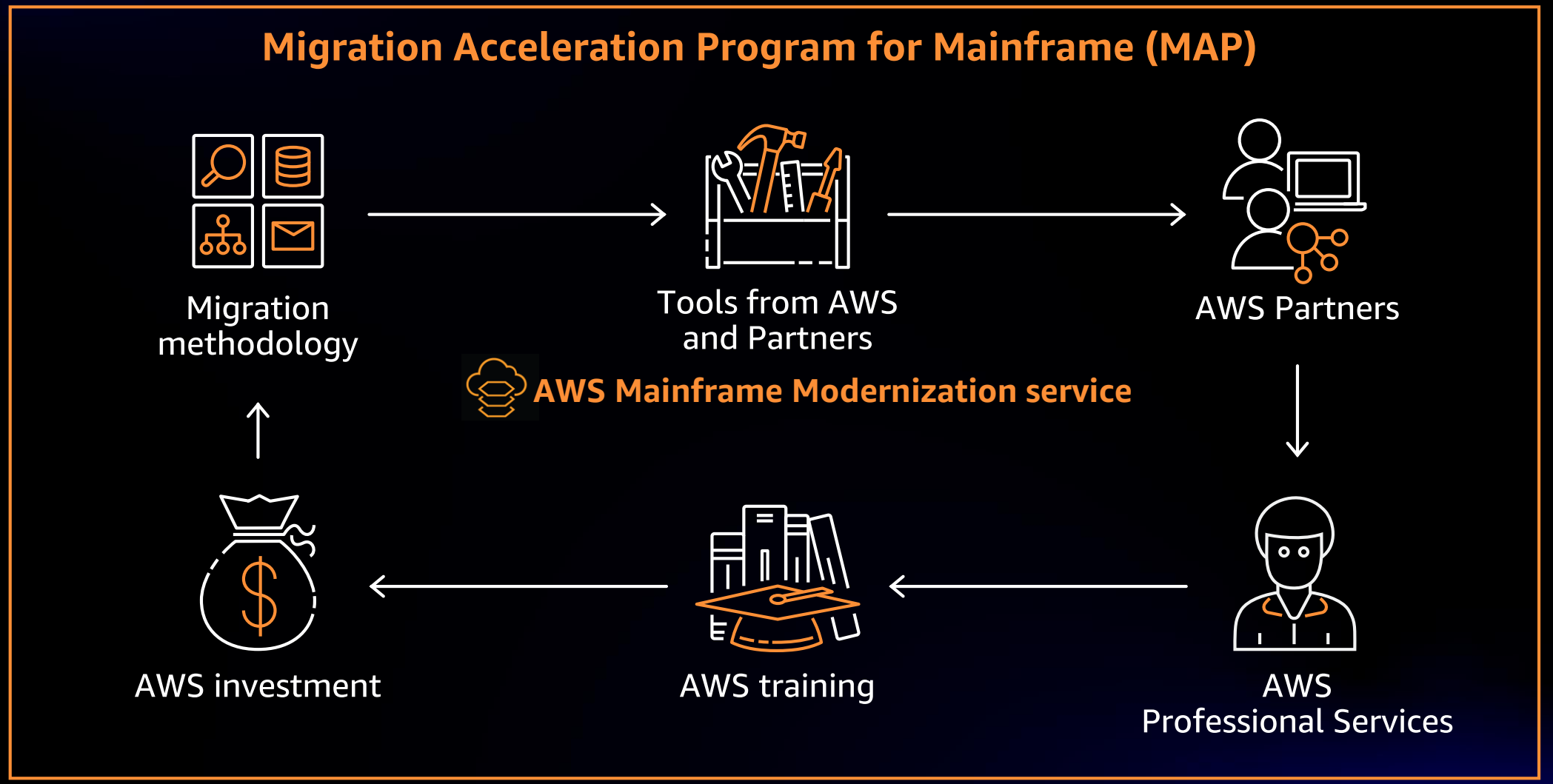
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AWS Mainframe Modernization service pricing

- Pay-as-you-go based on instance type and size
- Discounts with 1-year and 3-years commitments
- Multiple tools available at no additional charge
- AWS provides for both infrastructure and licenses

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MAP for Mainframe



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Supports each phase of the project

Assess



Rapid discovery



Initial cost estimates



Briefings



Immersion day

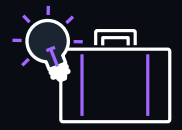
Mobilize



Discovery and planning



POC or Pilot



Business case



Migration plan



Architecture & Landing zone



Security and compliance



Operating model



Skills/Center of Excellence

Migrate & Modernize



Migrate



Operate

Modernize



Tooling: AWS Mainframe Modernization



Create a case for change

Mobilization through experiences

Accelerate migration at scale

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AWS mainframe specialists

Roles

- Mainframe solutions architects
- Mainframe partner solutions architects
- Mainframe consultants
- Mainframe practice managers
- Mainframe development managers
- Mainframe specialists

Sectors

- Commercial sector
- Commercial sector professional services
- Public sector
- Public sector professional services
- Financial services
- Partner development

Global assistance



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Partners' professional services for AWS Mainframe Modernization



























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Learn more

- AWS Mainframe Modernization service website
  http://aws.amazon.com/mainframe-modernization
- AWS Mainframe Modernization service console
  https://console.aws.amazon.com/m2/home
- AWS Mainframe Modernization service documentation
  https://docs.aws.amazon.com/m2/latest/userguide/
- Fast-Tracking Agility for Mainframe Workloads
  https://aws.amazon.com/blogs/apn/fast-tracking-agility-for-mainframe-workloads/
- How to Peel Mainframe Monoliths for AWS Microservices with Blu Age
  https://aws.amazon.com/blogs/apn/how-to-peel-mainframe-monoliths-for-aws-microservices-with-blu-age/
- Transitioning Mainframe Workloads into Agile Services with AWS and Micro Focus
  https://aws.amazon.com/blogs/apn/transitioning-mainframe-workloads-into-agile-services-with-aws-and-micro-focus/

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