AWS re:Invent

NOV. 29 – DEC. 3, 2021 | LAS VEGAS, NV

ENT301-R2

Discover, plan, and migrate at scale

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aws

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Agenda

15 mins – Workshop introduction

2 hours – Hands-on workshop

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Have you considered?

- Migrate a few hundred servers in 6 months

- Data center exit with thousands of servers

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Common large migration tech challenges

- Discovery - Lots of data and tools
- Wave planning - Dependencies
- Migration at scale - Many small, manual tasks

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The solution?



Automation

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How do we automate?

Discover

- Automate data collection with discovery tool
- Automate instance recommendation
- Automate network analysis

Plan

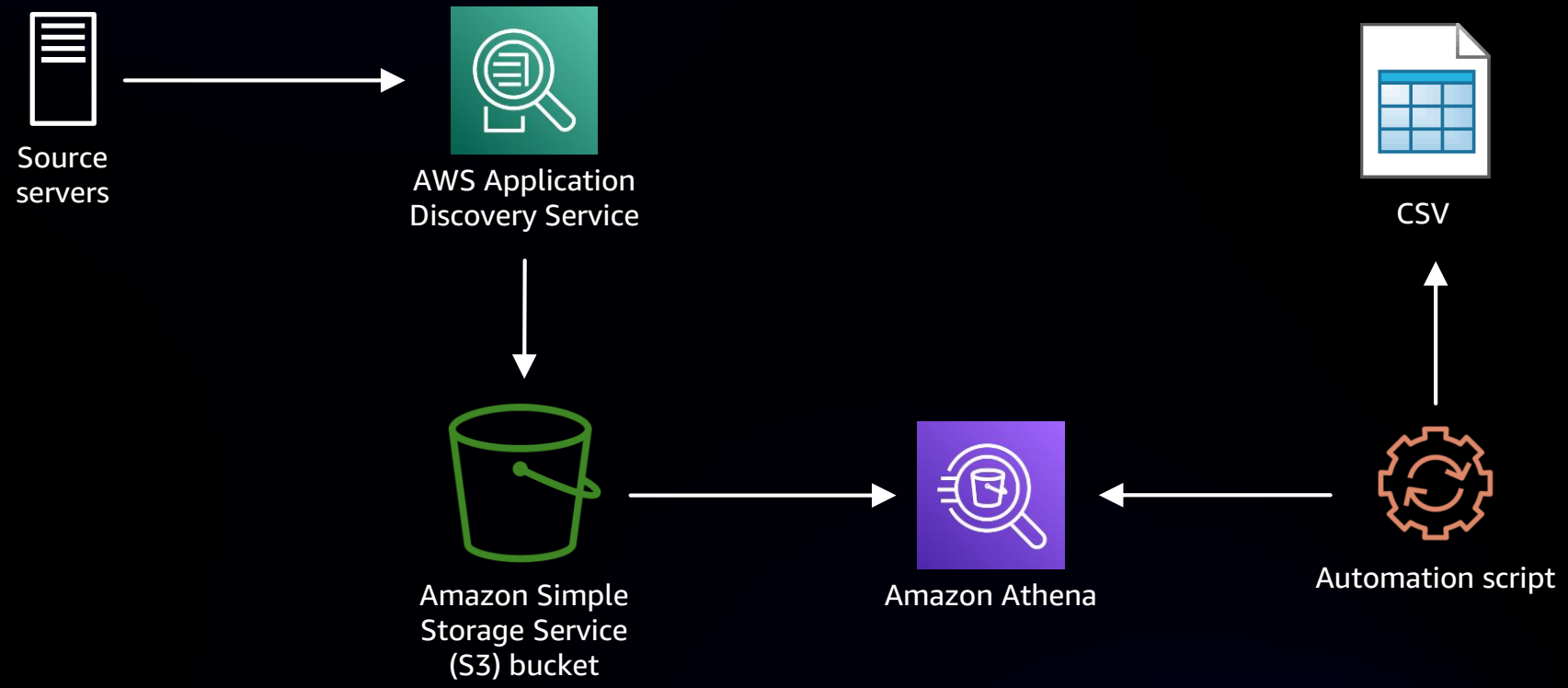
- Automate wave planning
- Automate subnet, SG selection
- Automate integration with migration tools

Migrate

- Automate data replication
- Automate workload launching process
- Automate workload validation

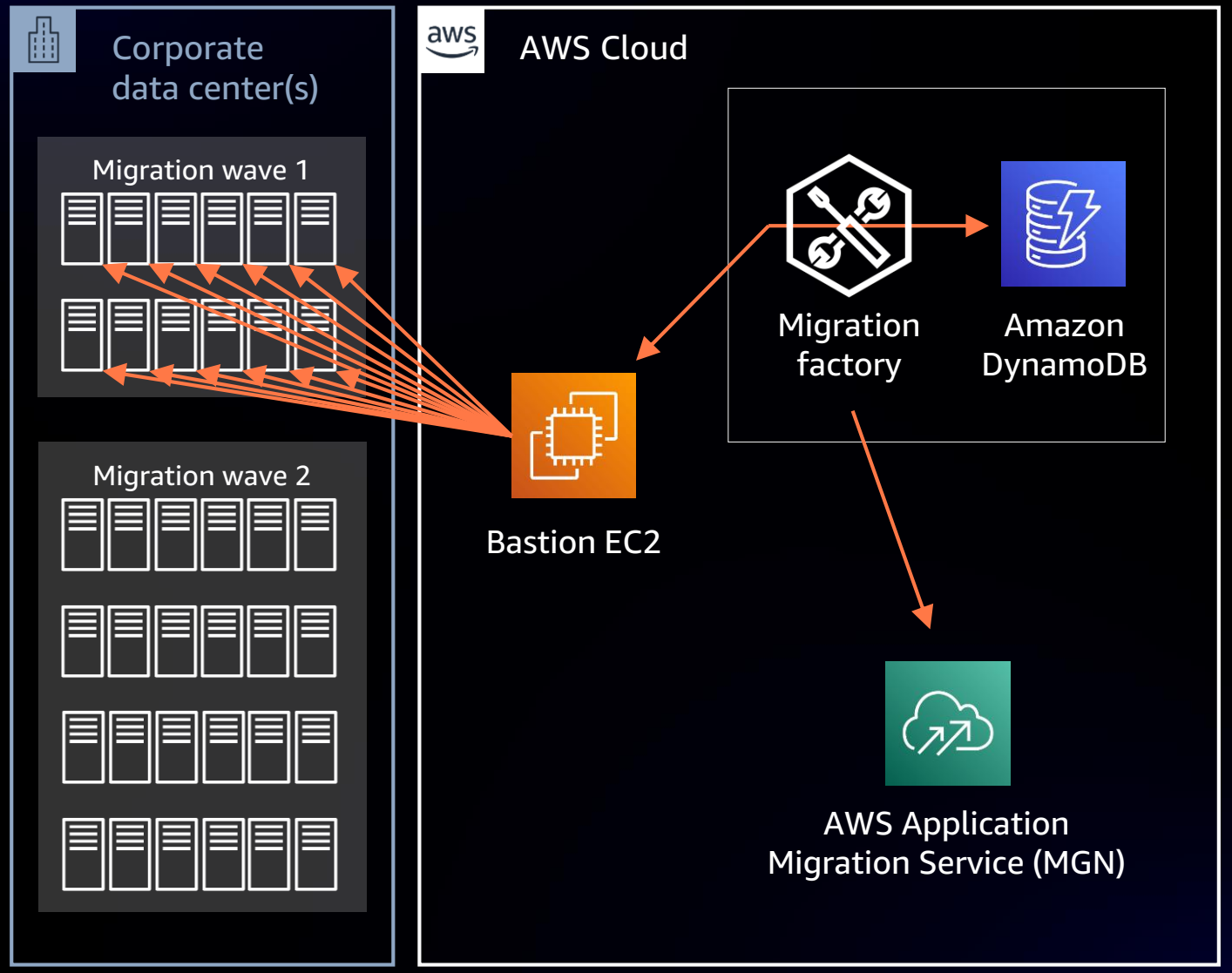
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Automate discover and plan



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Automate migration with migration factory



AWS CloudEndure Migration Factory Solution
https://aws.amazon.com/solutions/implementations/aws-cloudendure-migration-factory-solution/

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What else to automate for large migration?

- Automate your data collection - Data from CMDB, discovery tools, portfolio assessment
- Automate your migration patterns – Re-host, re-platform, and more
- Automate your post-migration activities, testing, and clean up after migration

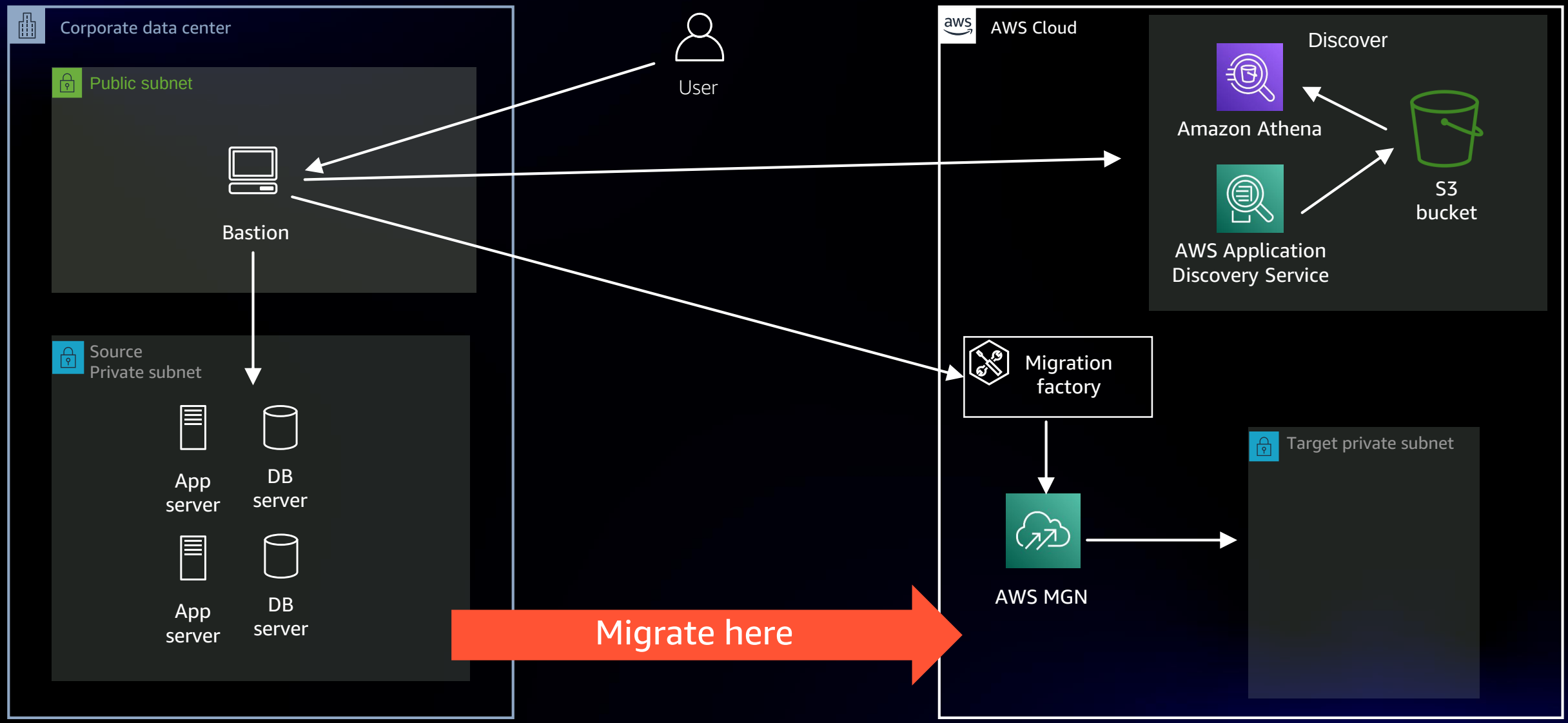
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The Lab

- Step 1 – Analyze network traffic using ADS-discovered data
- Step 2 – Create target infra and wave plan using ADS-discovered data
- Step 3 – Migrate server using AWS CloudEndure Migration Factory and AWS MGN

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Lab architecture reference



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Resources

AWS large-scale migration strategy and best practices
https://docs.aws.amazon.com/prescriptive-guidance/latest/strategy-large-scale-migrations/welcome.html

AWS CloudEndure Migration Factory Solution
https://aws.amazon.com/solutions/implementations/aws-cloudendure-migration-factory-solution/

AWS Application Discovery Service
https://aws.amazon.com/application-discovery/

AWS Application Migration Service
https://aws.amazon.com/application-migration-service/

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Lab instruction and token

Lab instruction:

https://amz.run/4yD6

Lab token:

9673-1c711f8cd4-4f

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Thank you!

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