

The background features a vibrant, multi-colored gradient. It starts with a dark blue on the left, transitions through purple and magenta, and then into bright orange and yellow towards the right. A diagonal line separates the darker blue/purple area from the lighter orange/yellow area.

AWS
re:Invent

ENT304-R

Build a migration factory with CloudEndure and Migration Hub

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Agenda

Migrations 101

The solution

What is a migration factory?

Lab time

Related breakouts

ENT313 – Migrate to AWS using CloudEndure and AWS Migration Hub

ENT303 – Plan and architect an application portfolio migration to AWS

ENT319 – Migration to AWS: A foundation for enterprise transformation

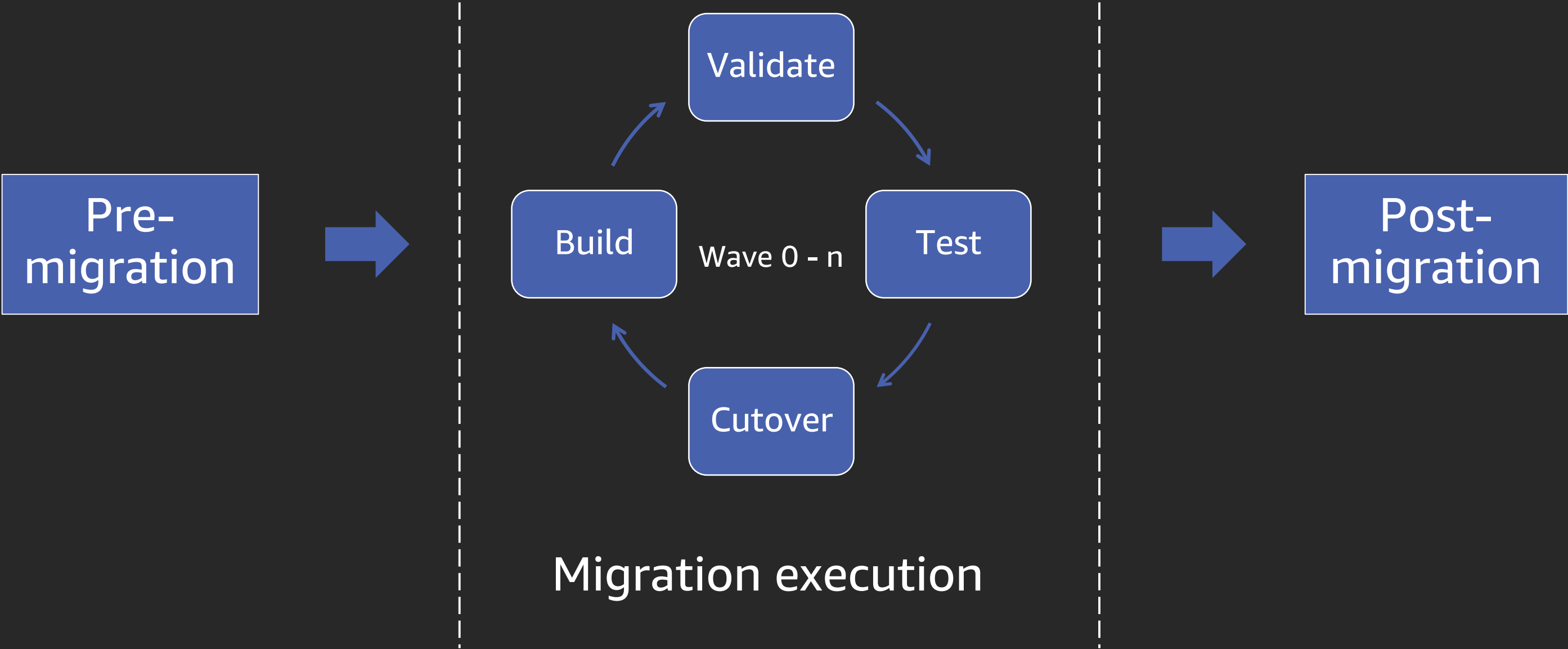
ENT218 – Executing a large-scale migration to AWS

ENT302 – Accelerate migration to AWS with the right tools

STG346 – Deep dive on CloudEndure Disaster Recovery

Migrations 101

Migration framework



Typical migration tasks

	Task	Time*
Pre-migration	Group servers in migration waves	15 minutes
Pre-migration	Check/fix OS dependencies for the migration	15 minutes
Migration execution	Install CloudEndure agents	5 minutes
Migration execution	Create CloudEndure blueprints	5 minutes

Typical migration tasks

	Task	Time*
Replicate	Verify server replication is in continuous data protection and there is no lag	2 minutes
Convert	Trigger a CloudEndure test cutover	2 minutes
Convert	Uninstall 10 apps, install 3 apps	15 minutes
Validate	Check 2/2 status; ping server	5 minutes

Typical migration tasks

	Task	Time*
Validate	Test application (basic test, service up, http port listening)	15 minutes
Cutover	Update CloudEndure blueprint	2 minutes
Cutover	Notify application owner/users	10 minutes
Cutover	Shut down source server. Spin up new server, update DNS, and check that services are up and running.	30 minutes

Multiply that by 100 servers ...

Multiply that by 1000 servers ...

The solution

A big migration button!



Well ... maybe a few smaller buttons



Pre-migration



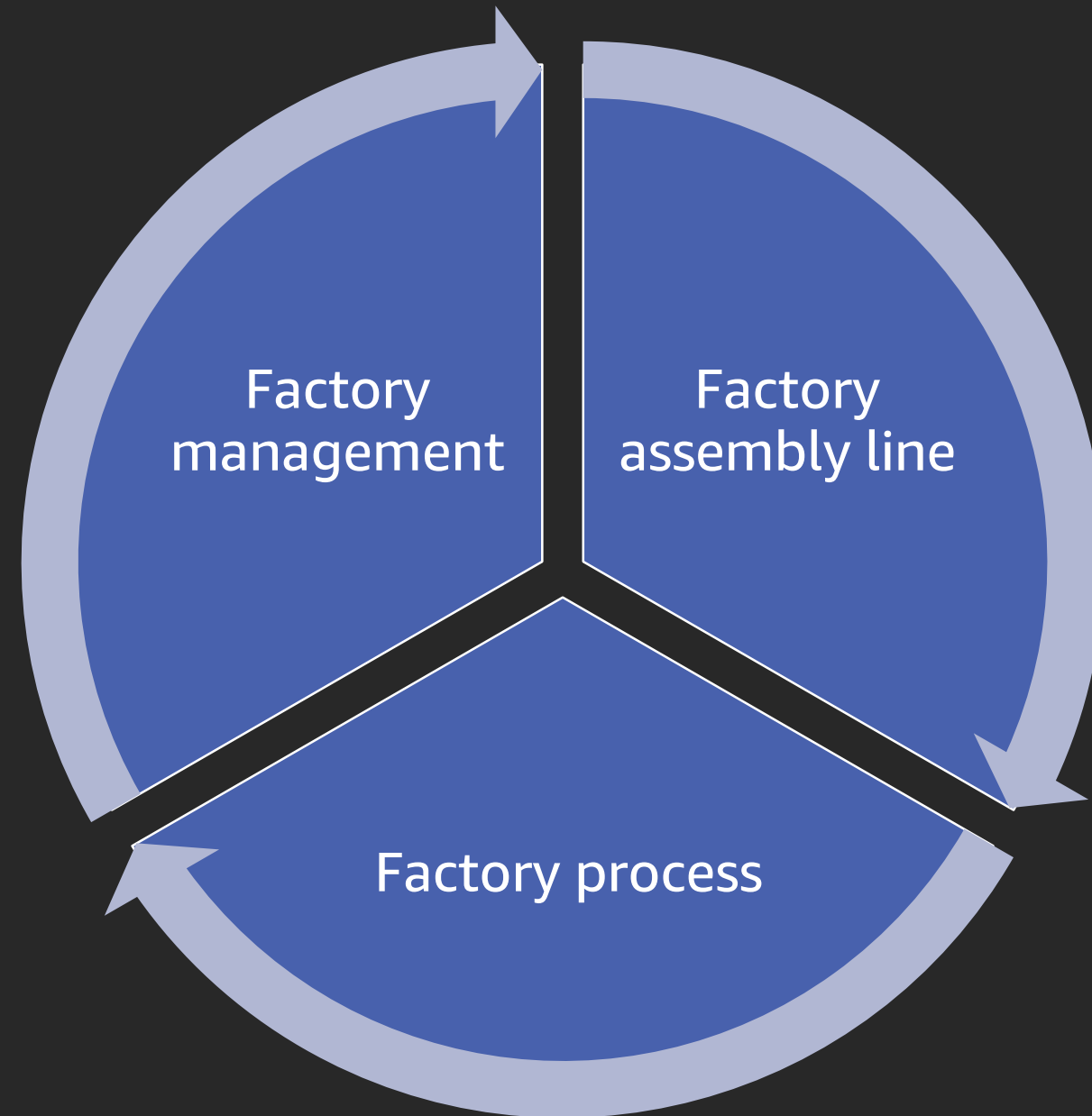
Migration execution



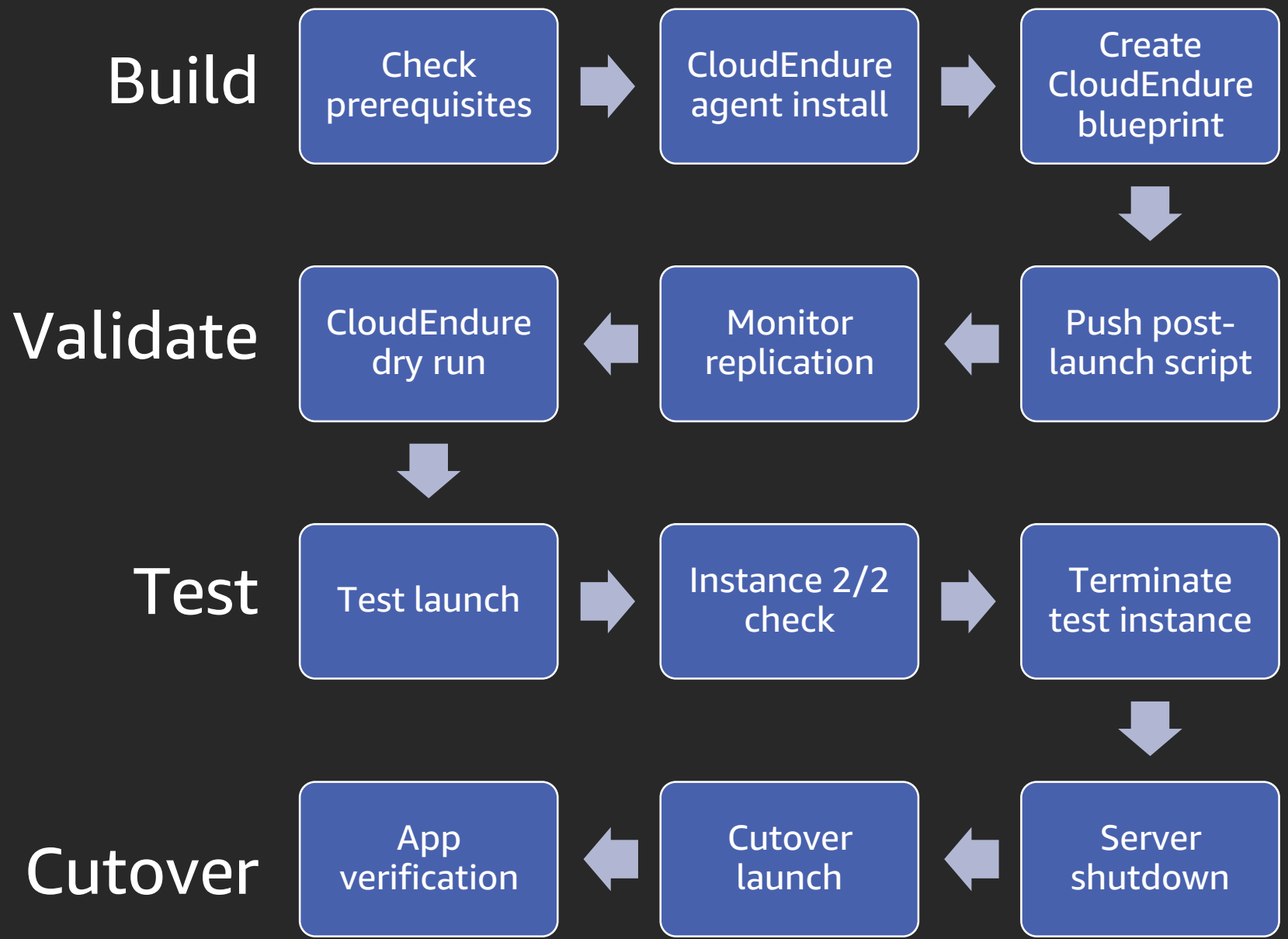
Post-migration

What is a migration factory?

Migration factory concept



Migration factory automation



AWS migration factory

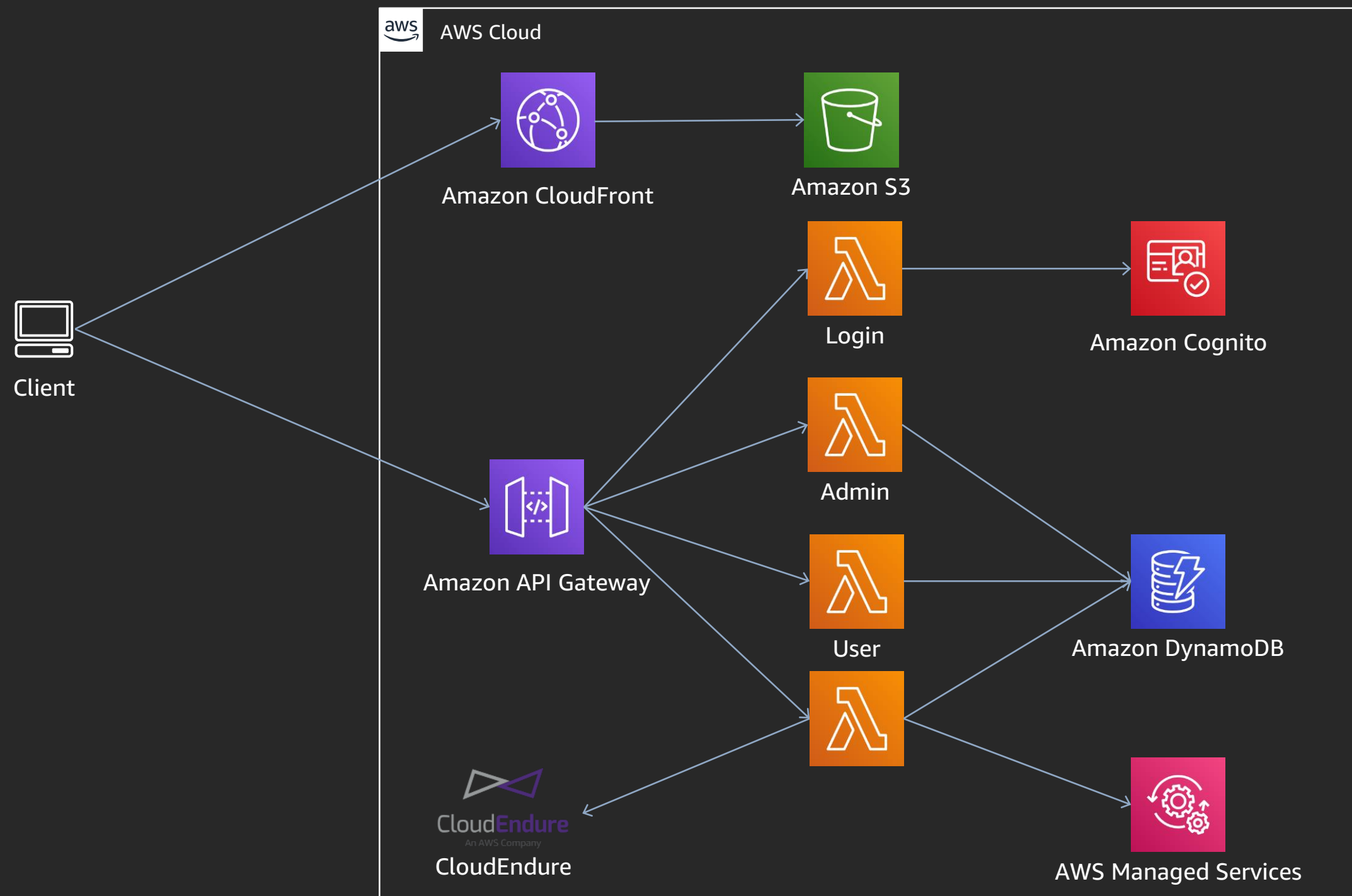
Focus

- ✓ Typical re-host migration with CloudEndure
- ✓ Accelerate the end-to-end migration process

Provides

- ✓ Migration factory tool
- ✓ Automation scripts

AWS migration factory architecture

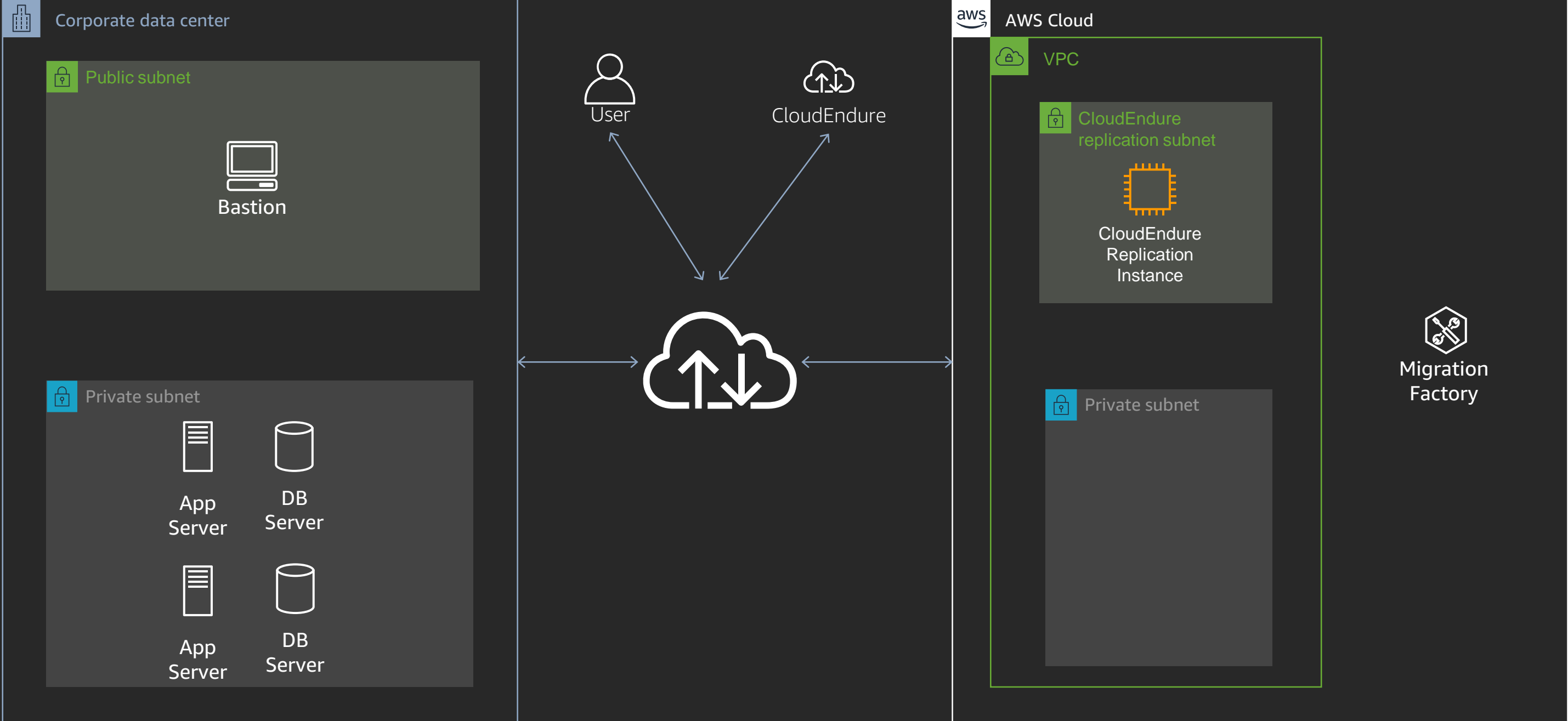


Where can I find it?

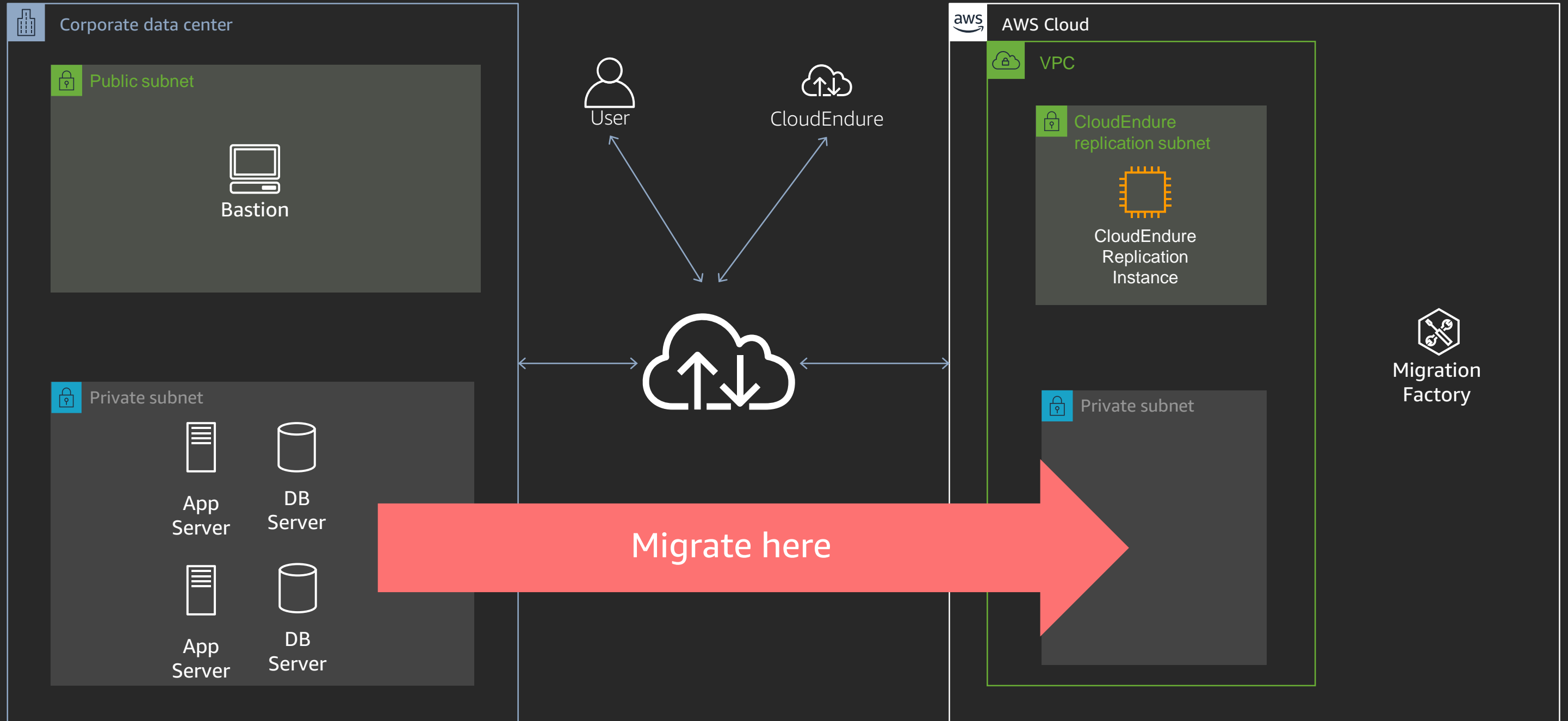
- Migration Factory
<https://awsmigrationfactory.s3.amazonaws.com/re%3Ainvent/MigrationFactory.zip>
- This lab (source environment + Migration Factory)
<https://ent304.s3.amazonaws.com/CFN/MASTER.json>

Lab time

Lab architecture reference



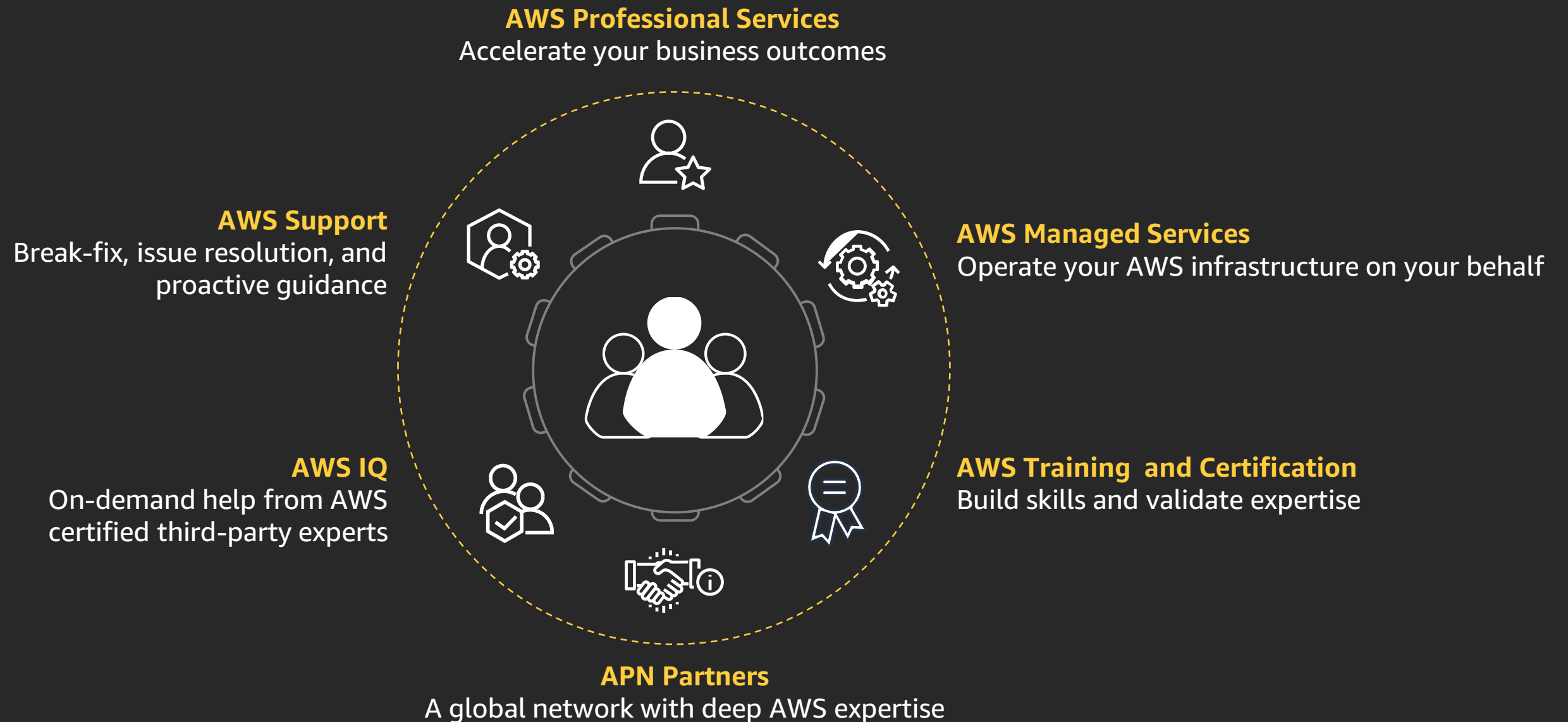
Lab architecture reference



<https://ent304.s3.amazonaws.com/ENT304.pdf>

AWS customer enablement

Migrate and build faster in the cloud



AWS Training and Certification for the enterprise

Resources to help your organization build cloud skills and achieve business objectives



Cost savings
(TCO)



Staff
productivity



Operational
resilience



Business
agility

Comprehensive skill development plan for broad cloud fluency



Digital training



Classroom training



AWS Certification



Enterprise resources



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Thank you!



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