

AWS Application Migration Service

Michael Lin
Sr. Solutions Architect
Amazon Web Services



AWS Migration Framework



Create a case for change

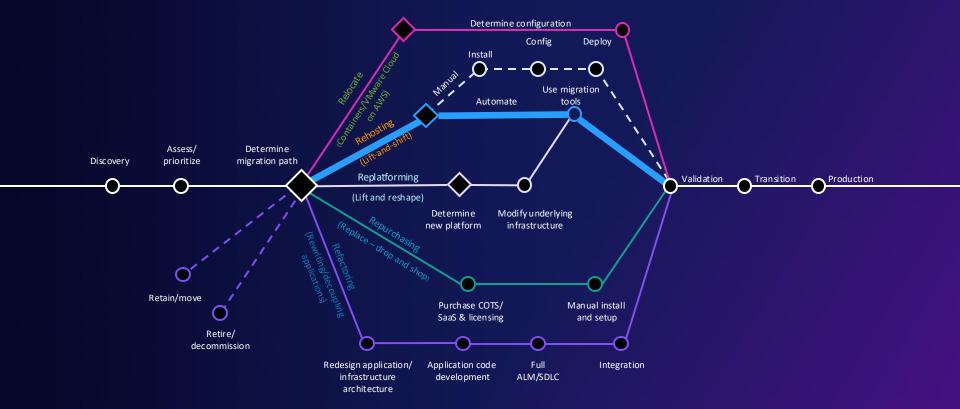
Build readiness through experiences

Accelerate transformation at scale

Using a proven framework greatly increases your odds of success and speed to market



Portfolio Assessment





What is MGN?

- Primary migration service recommended for lift-and-shift migrations
- A highly automated lift-and-shift solution
- Allows migrating physical, virtual and cloud servers to AWS
- Simplifies, expedites and reduces the cost of migrating servers and applications



MGN Migration: a lift-and-shift solution

Simplifies, expedites, and reduces the cost of migrating applications to AWS

Flexible



Migrate from any source



Wide range of OS, application, and database support



Suitable for largescale migrations

Reliable



Robust, predictable, nondisruptive continuous replication



Short cutover windows with minimal downtime



Highly secure

Highly Automated



Minimal skill set required to operate



Easy, nondisruptive tests prior to cutover



Easily plugs into migration factories and cloud COEs



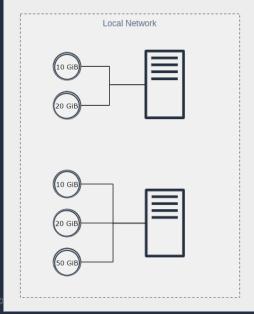
Wide Platform Support*

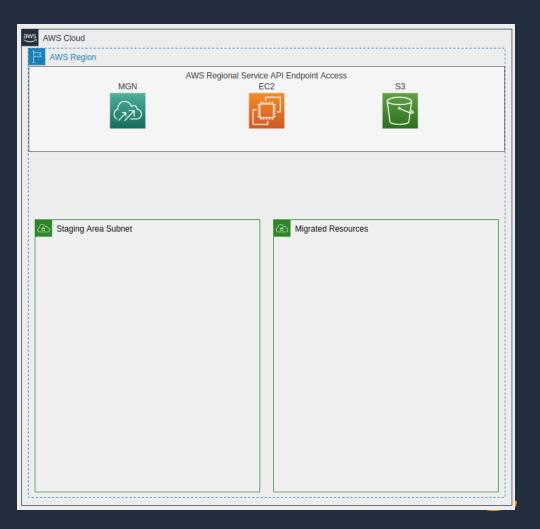


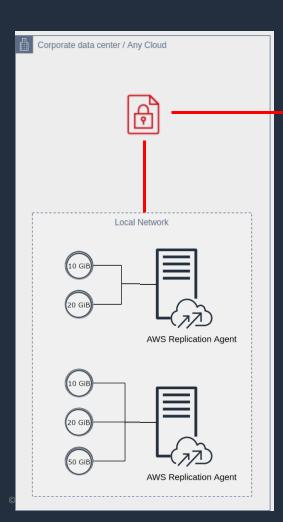
^{*} See documentation or contact Support for a complete list.

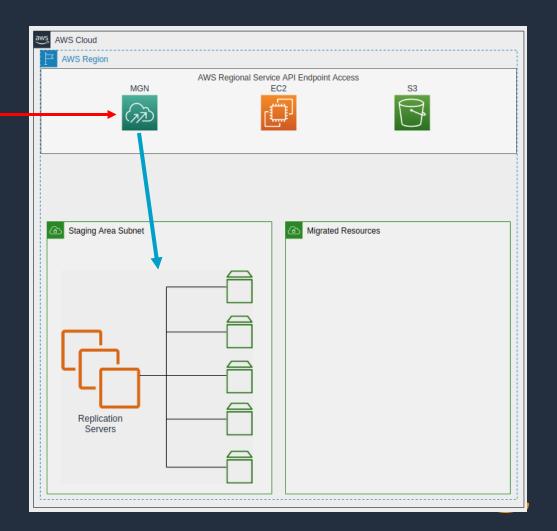


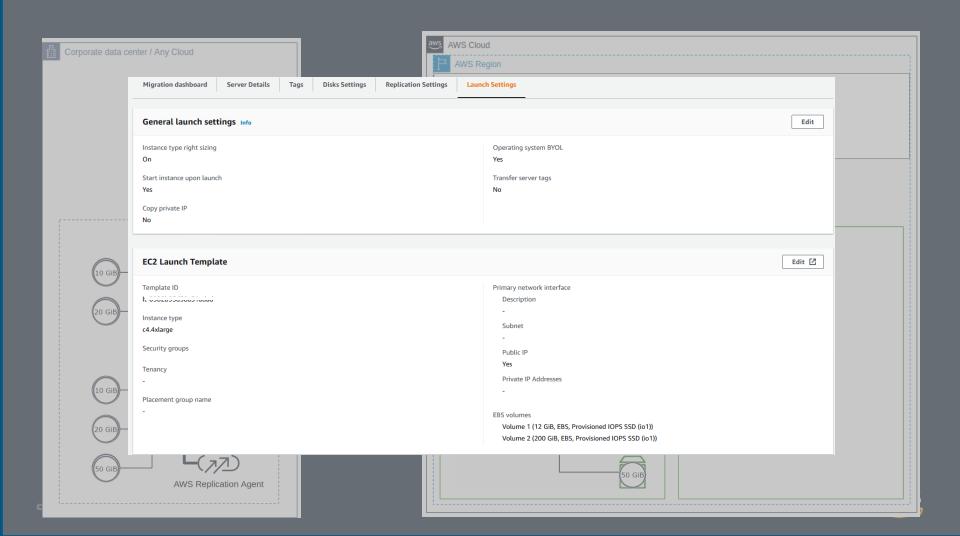


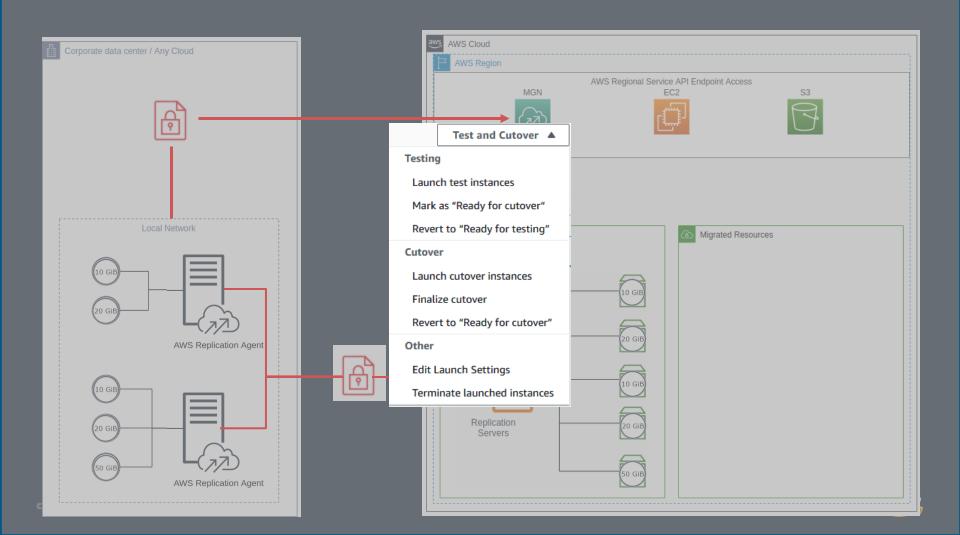


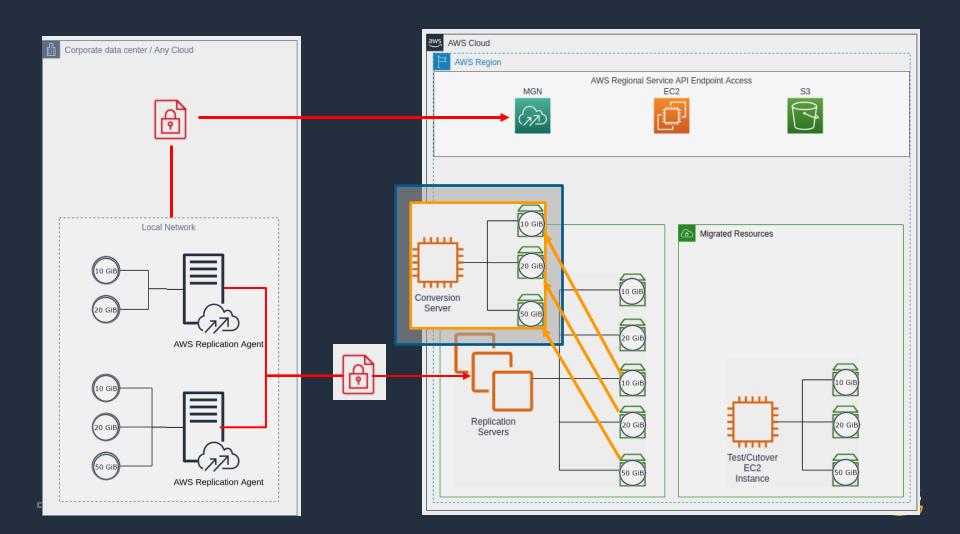




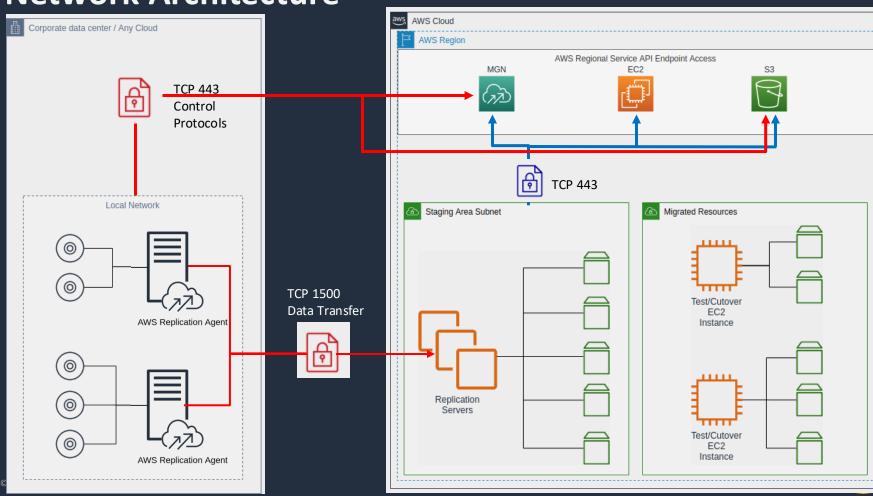




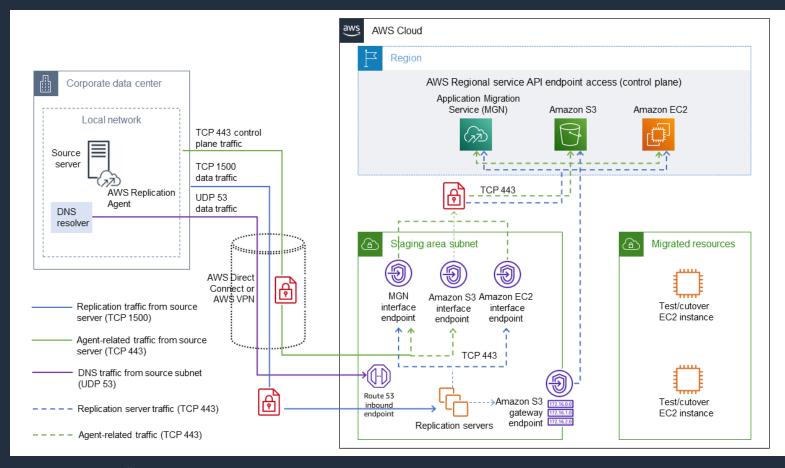




Network Architecture

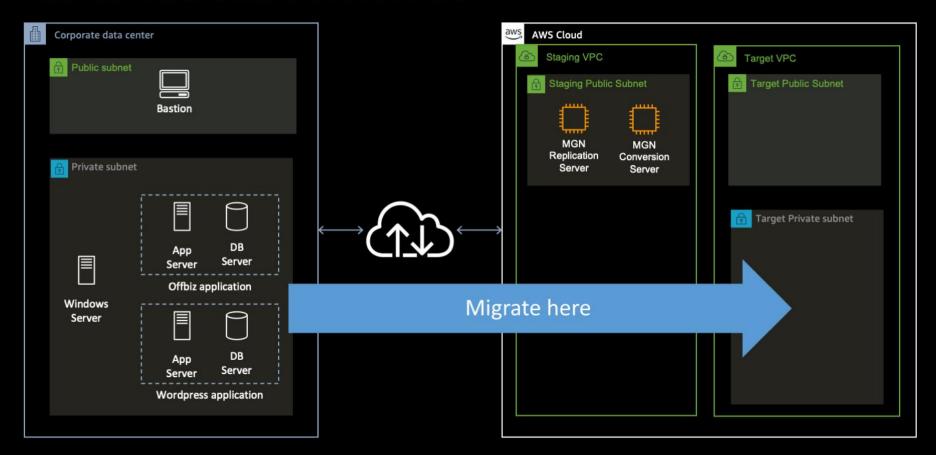


Network Architecture – private subnets





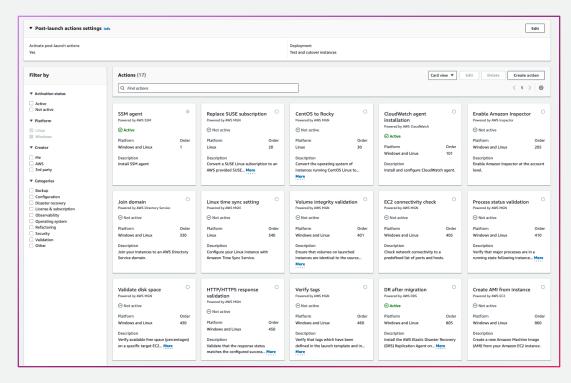
Lab architecture reference



Post-launch modernization actions

AWS Created actions

- Install SSM Agent
- Configure DR after migration
- Enable Refactor Spaces
- Enable Amazon Inspector
- · Deploy Amazon CloudWatch
- Convert CentOS to Rocky Linux
- Convert Windows MS-SQL BYOL and SUSE BYOL to AWS License-Included instances
- Upgrade Windows OS (clone Instance and upgrade)
- Create Amazon Machine Image (AMI) from instance
- · AD Join domain





Thank you!

Michael Lin linmicht@amazon.com

