
AWS
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ENT001

Enterprise resource planning with Oracle on AWS Outposts

Roopesh Ramklass

Principal Specialist SA, Oracle
AWS

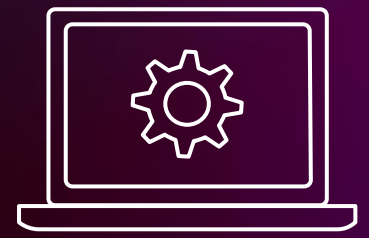
Anish Kantawala

SA Leader for Global and Strategic Accounts, ERP on AWS
AWS

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How do I run my ERP in the cloud and on premises?

- Customers with physical infrastructure investments like factories, manufacturing plants, and warehouse fulfillment centers cannot risk network disruption between the plant and the ERP modules they connect to, like for manufacturing/SCM, since this will affect business continuity
- AWS Outposts supports equipment and processes that demand sub-millisecond latency and extreme sustained throughput
- There are also organizations that have strict data residency requirements but have no AWS Regions deployed
- Our objective is to show that **running Oracle EBS on Outposts provides a viable, modernized hybrid-cloud solution for these customers**



Latency sensitive



Local data processing



Residency

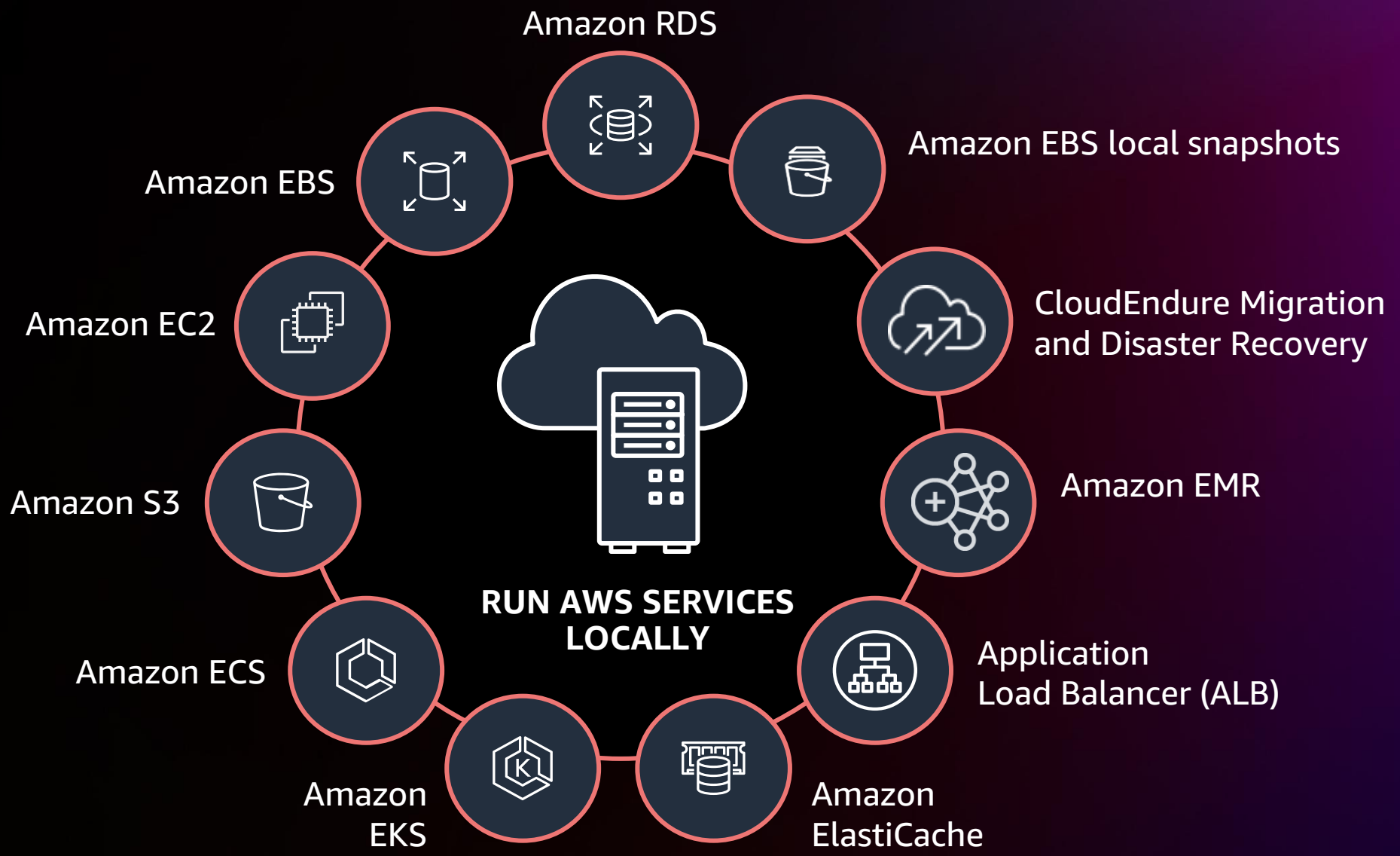
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What is AWS Outposts?

- AWS Outposts is a family of fully managed solutions delivering AWS infrastructure and services to on-prem or edge locations and providing a consistent hybrid cloud experience
- Outposts solutions allow you to extend and run native AWS services on premises
- Available in a variety of form factors, from 1U and 2U Outposts servers to 42U Outposts racks, and multiple rack deployments

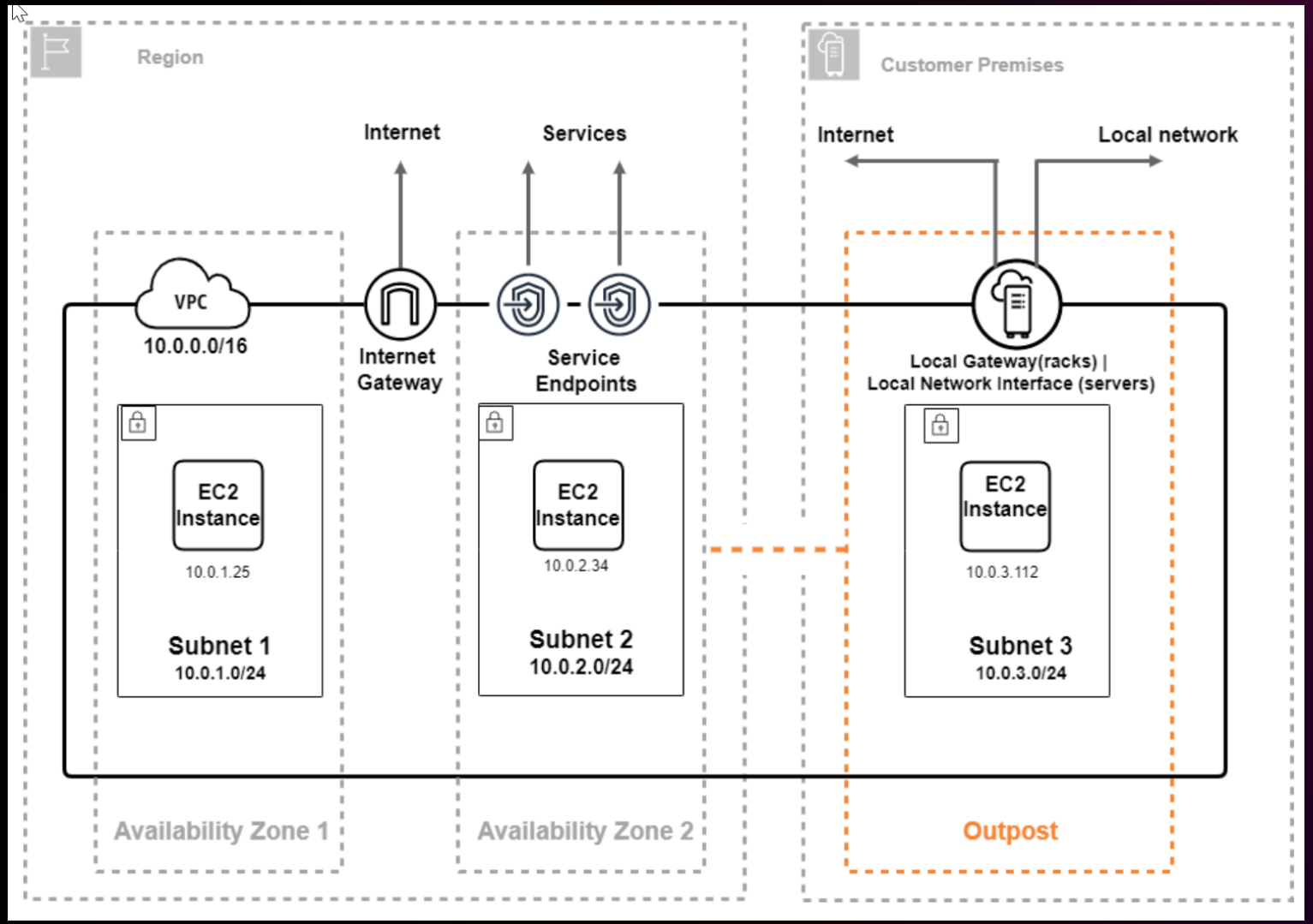


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Networking on AWS Outposts



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AWS Outposts differentiators

	AWS Outposts	Third-party hybrid clouds
Workloads	Outposts offers any-use EC2 instances for both database and application tier workloads	Not all on-premises cloud solutions have a cohesive, unified solution for both database and application tier workloads
In-Region services	Outposts allows access to many AWS services, including Amazon EC2, Amazon EKS, Amazon S3, and Amazon RDS	It is important to determine if in-Region services are directly accessible, as this is not always available
Cloud networking	Amazon VPC spans both Region and Outpost	Not all virtual cloud networks span both the cloud Region and on-prem cloud; the implementation from some keeps these networks unrelated
Virtualization	Outposts use AWS Nitro System-based hardware virtualization that is consistent with in-Region virtualization	Confirm that the virtualization in use is modern; it is common to find legacy, less secure, software-based virtualization technologies in use

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How does pricing work on AWS Outposts?

- There are 4 types of Outposts a customer can use
  - 1U server – AWS Graviton-based instances – e.g., C6gd.16xlarge
  - 2U server – Intel Xeon compute optimized – 2 options: C6id.16xlarge OR C6id.32xlarge
  - Custom configuration – Private pricing available
  - 42U rack – Many different options

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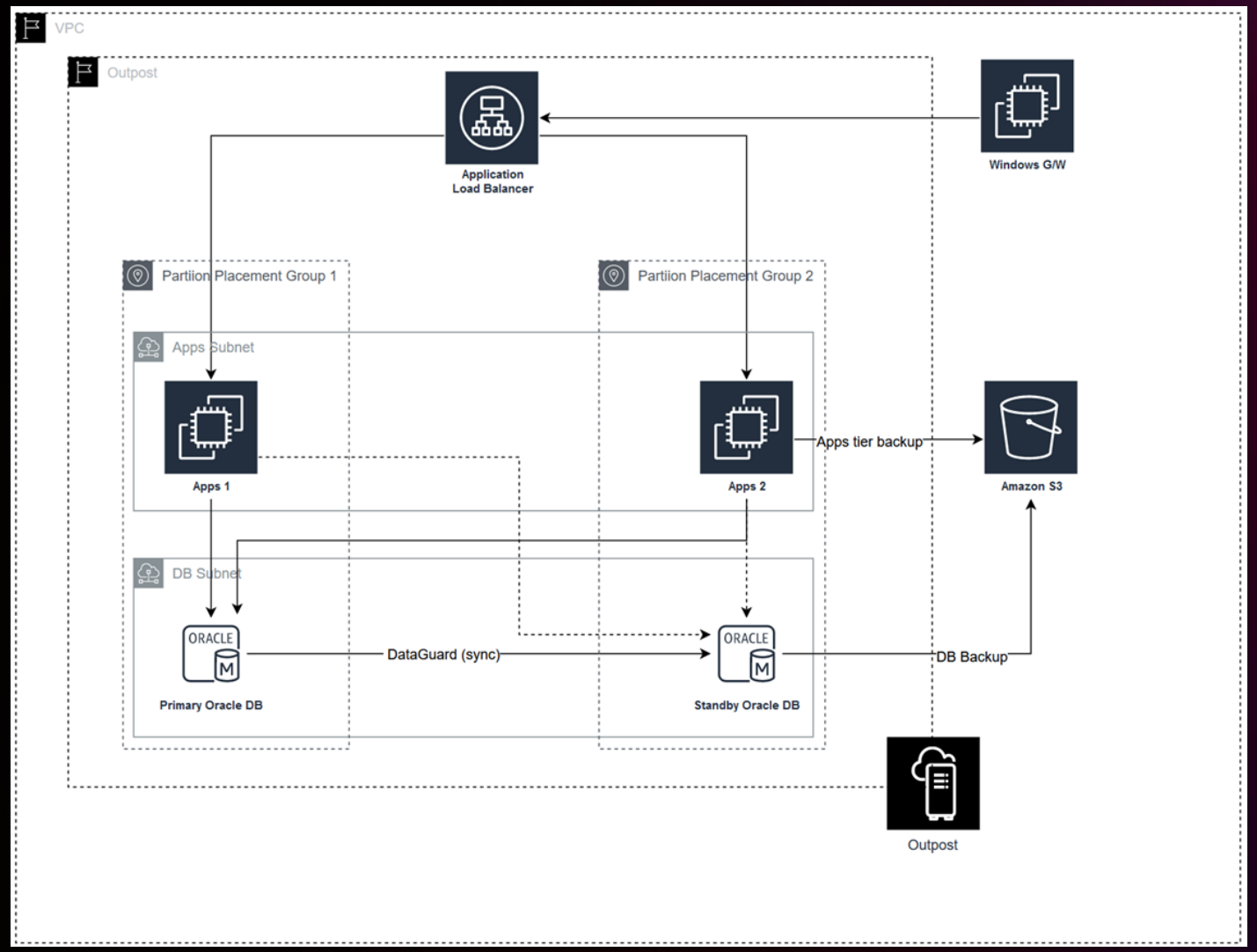
How does pricing work on AWS Outposts?

- Outposts are available for a 3-year term
- The configuration determines the maximum specification for the EC2 instance types and sizes for the Outpost
- Smaller EC2 instances of the same family, called droplets, can be carved out; all droplets must aggregate to no more than the maximum configuration
- For example, the 2U server with configuration up to 1 C6id.32xlarge instance type may also be carved into 8 c6i.4xlarge instances



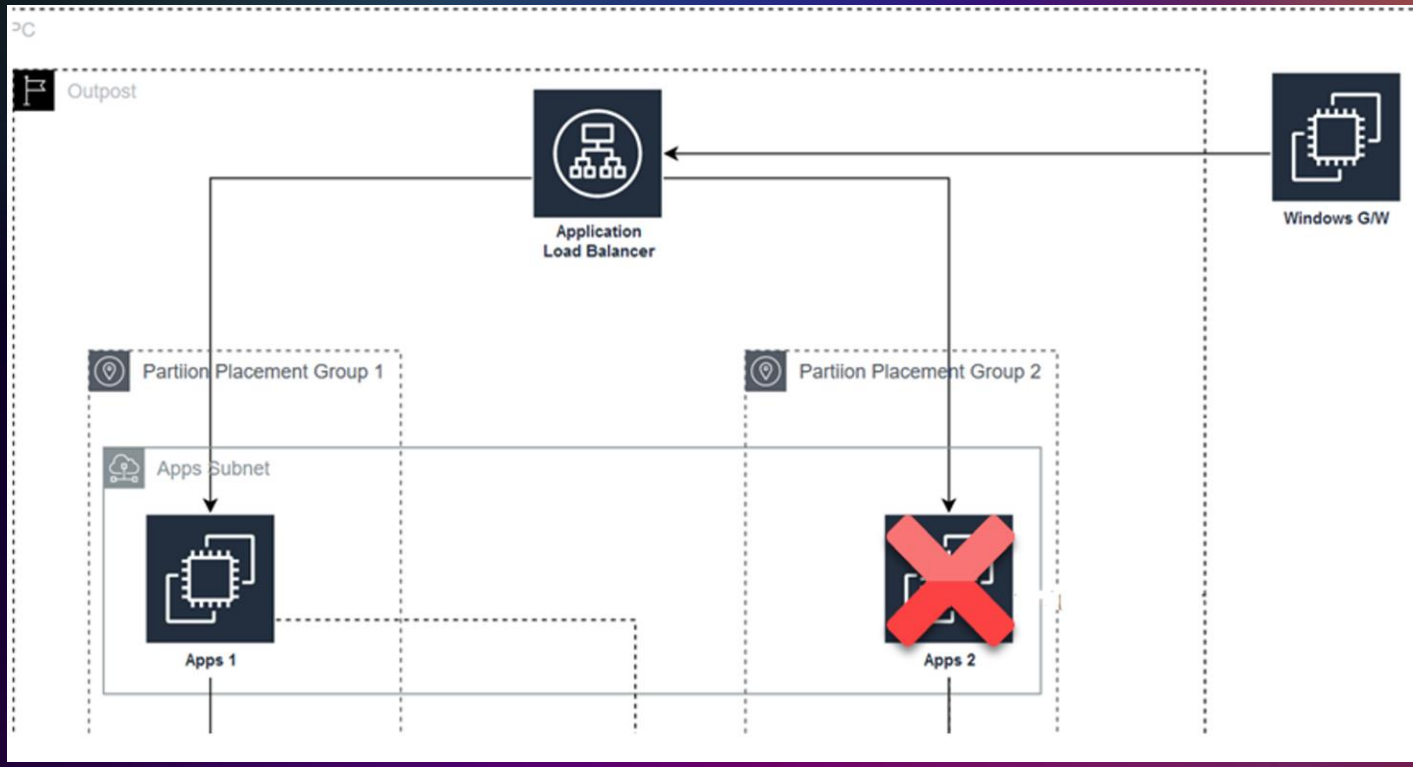
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EBS HA architecture on AWS Outposts



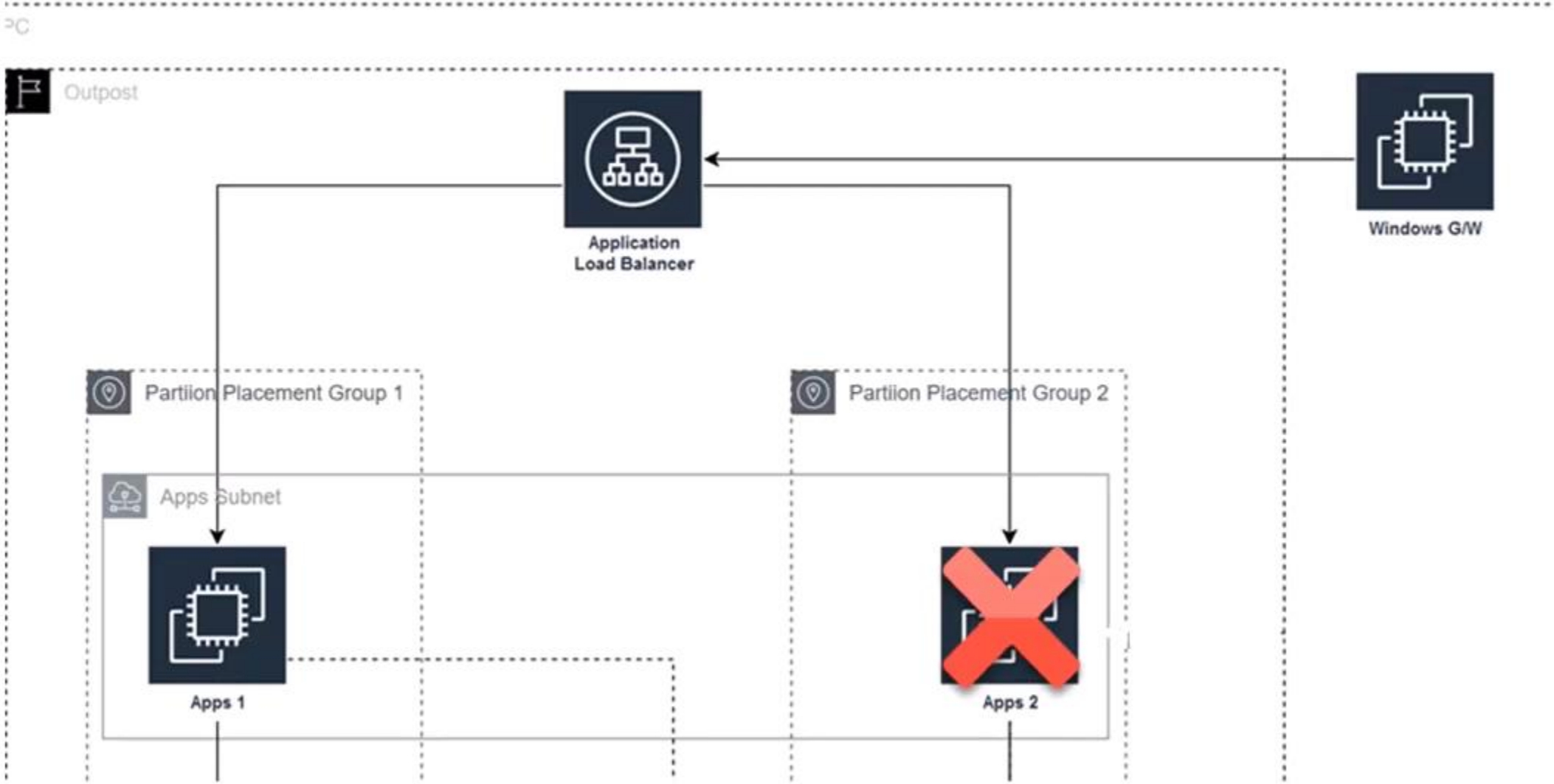
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Demo 1: Loss of apps tier



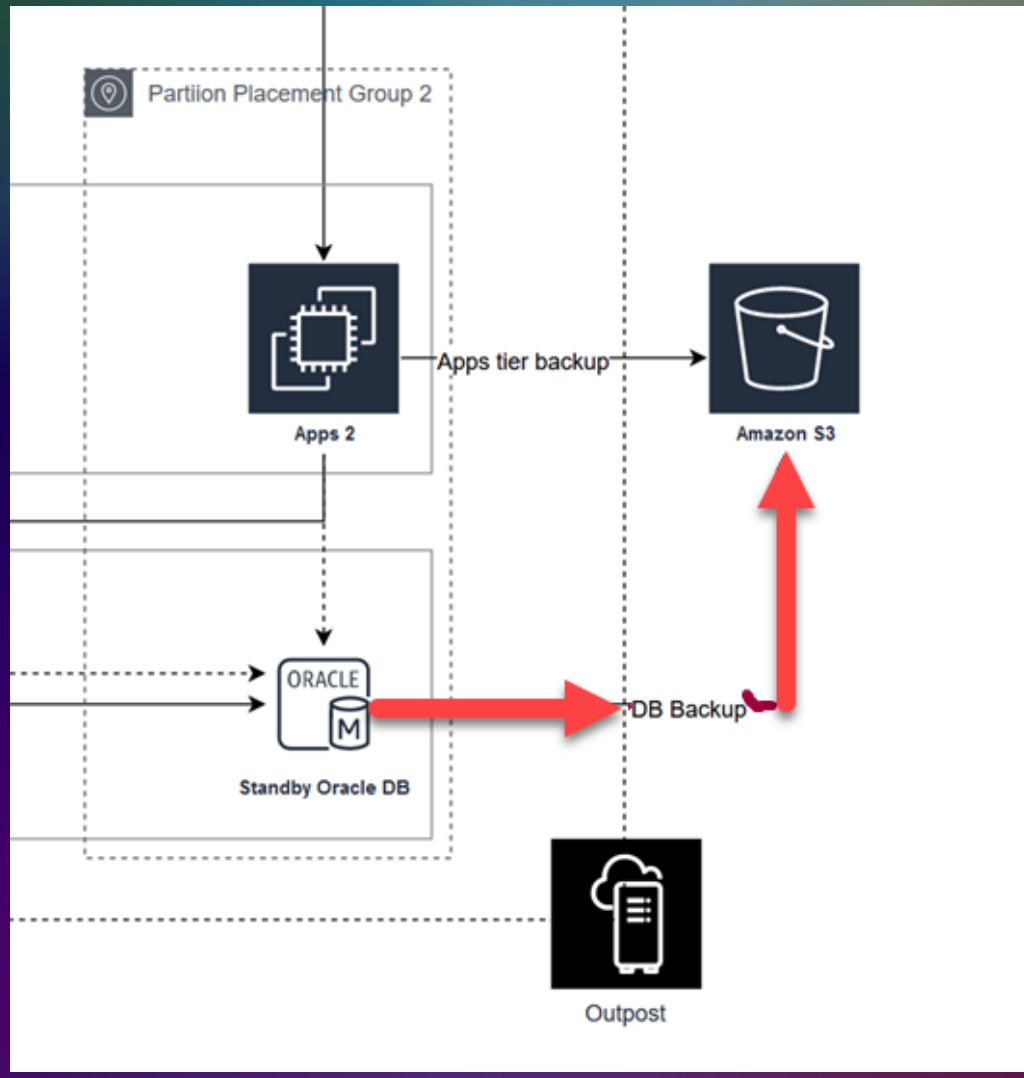
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Demo 1: Loss of Apps Tier

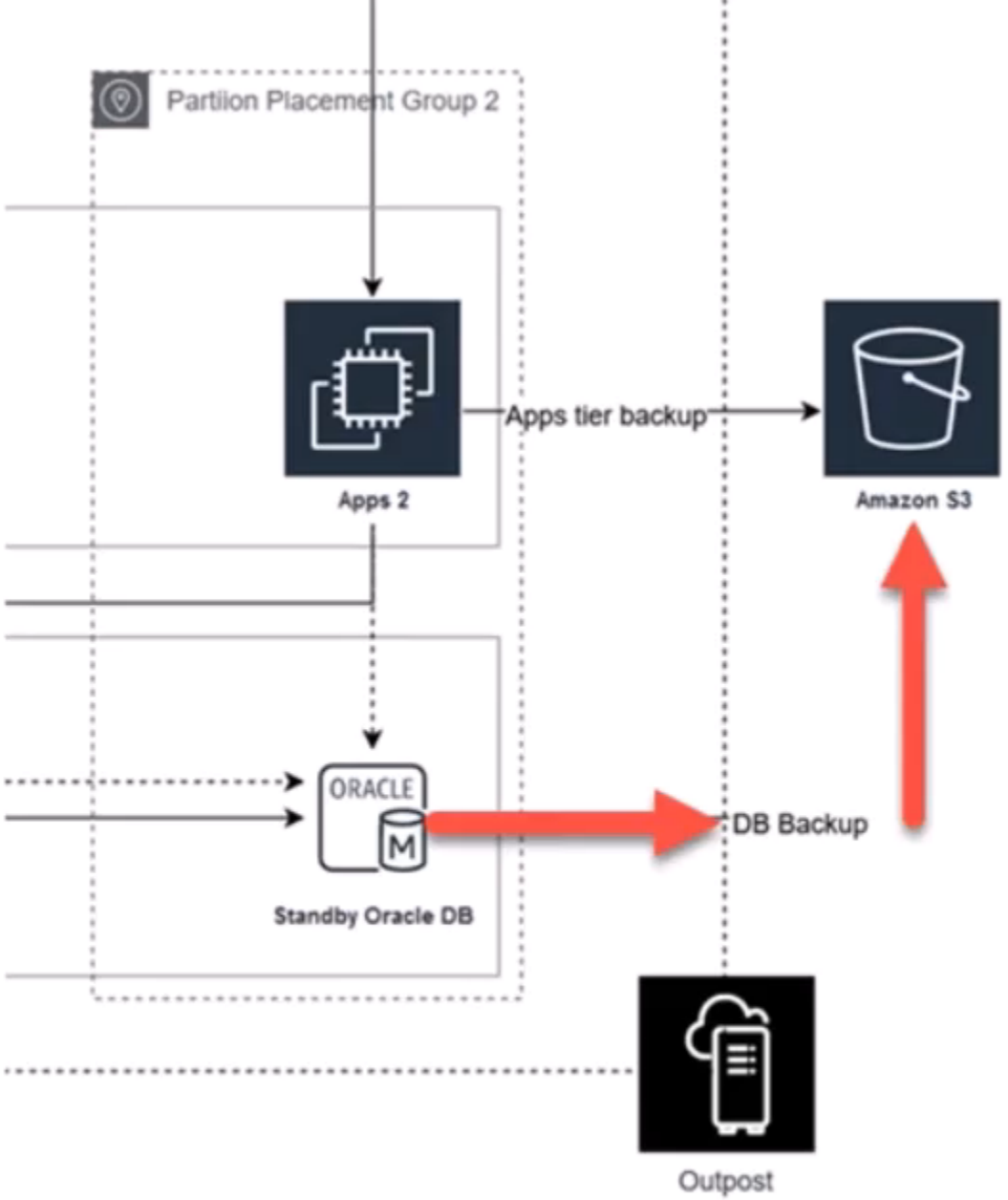


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Demo 2: DB tablespace backup to Amazon S3 in Region



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Thank you!

Roopesh Ramklass
snowmage@amazon.com
@rramklass

Anish Kantawala
anishla@amazon.com



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