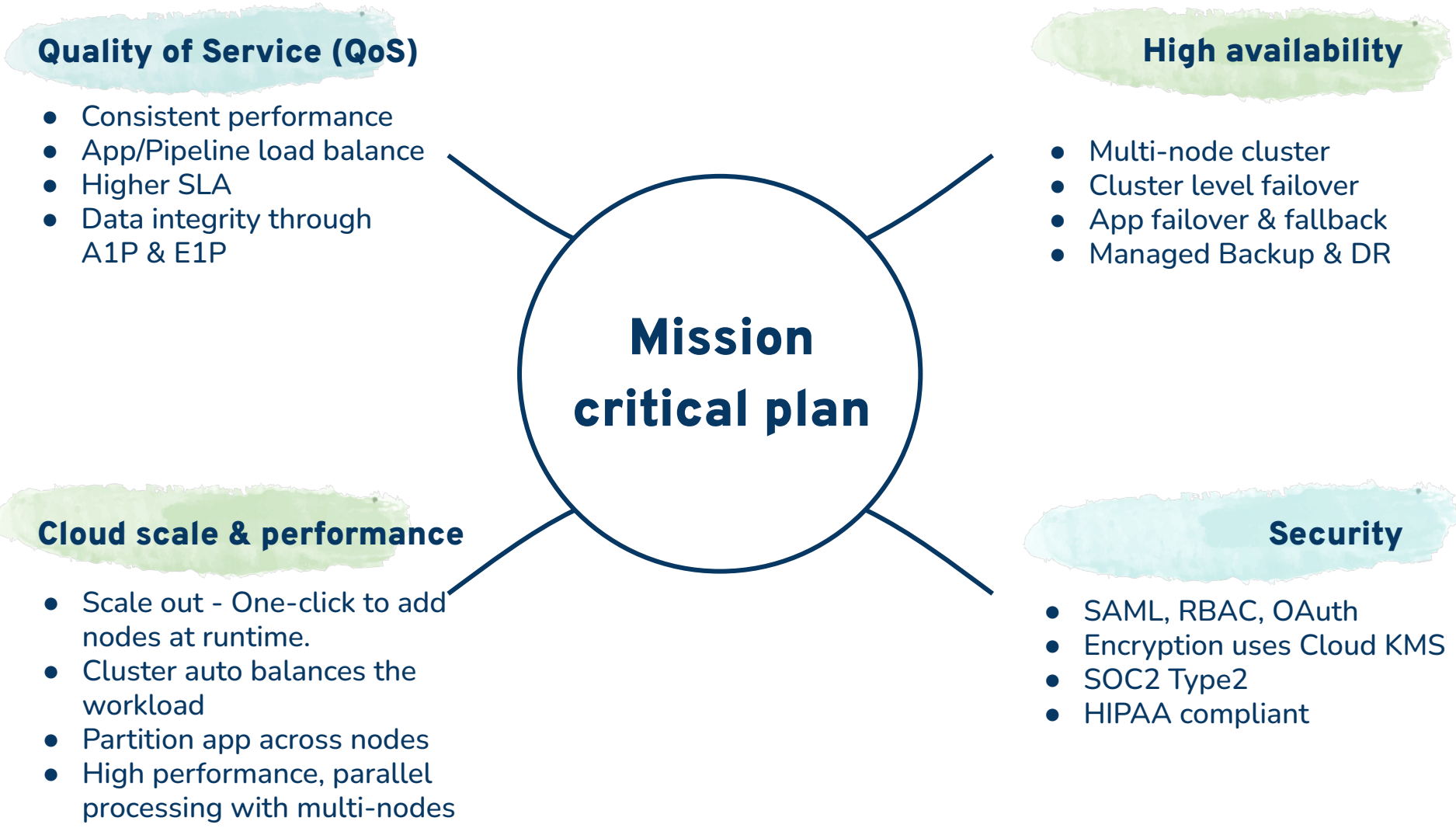
striim

Striim Cloud Mission critical solution

Value prop



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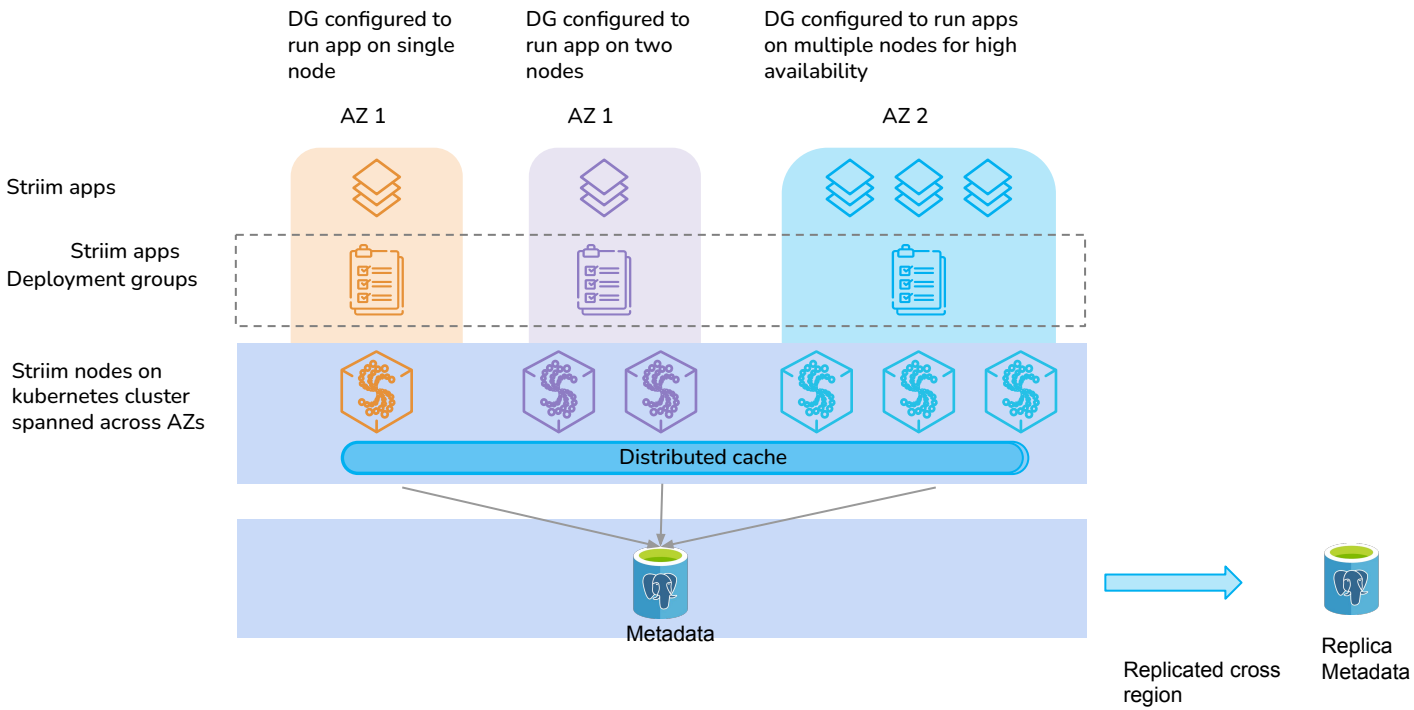
Architecture

Mission critical plan's core feature is multi-node processing

- Striim nodes are deployed in a cluster with a shared metadata.
- Decentralized nodes communicates & run apps independently.
- Apps are deployed and managed through Deployment Groups (DG)
- All nodes in a cluster uses distributed cache for metadata



Mission critical features

1. **Cluster** - Distributed in-memory processing purpose built for streaming apps
2. **Deployment Groups** - Logical subgroups of nodes where apps are grouped to deploy on single or multiple nodes
3. **App scaling** - Simply keep building your streaming apps and let the service handle the load balance and scaling of apps (pipelines)
4. **High Availability** - High availability at multi-level. At Infra level cross AZs and at app level within a cluster
5. **Resiliency** - Apps are resilient to node failures, AZ failures, errors, and recovery will make sure no events are missed or processed more than once*
6. **Disaster Recovery** - Apps are replicated across nodes stretched cross AZ and cluster are replicated cross region for recovery from regional and AZ failures.
7. **Dynamic scale** - Scale out dynamically as needed without disrupting the cluster and running apps with event processing guarantee.
8. **Managed MDR & cache** - Managed MDR instance outside of cluster nodes, replicated cross region and distributed cache runs independent of cluster nodes
9. **Failover & Failback** - App level failover & failback across nodes are supported for errors, failures and load balancing purposes.
10. **Performance** - PartitionBY clause to distribute data using consistent hashing across multi-nodes. Helps achieve parallel processing. Simply adding new nodes helps in load balance the workloads and maintains the consistent performance

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