

LEMARIT makes use of AWS cloud infrastructure to operate the MAIN RSP system. As stated in section 3 and 4 two separate regions without any inter-dependencies are in place. Each region utilizes three availability zones – each operating at least one isolated data center. This setup provides an equal standard as a Tier III data center per region (primary & failover).

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AWS data centers are generally designed to meet the requirements of concurrent maintainability, which is at the core of the Uptime Institute Tier standards. However, AWS has chosen not to have a certified Uptime Institute-based tiering level so that we have more flexibility to expand and improve performance. AWS' approach to infrastructure ensures the highest level of performance and availability for our customers. Specifically, AWS infrastructure within our Availability Zones exceeds concurrent maintainability standards by also focusing on metrics not tracked by those standards.

<https://aws.amazon.com/compliance/uptimeinstitute/>

Critical system components are backed up across multiple, isolated locations known as Availability Zones. Each Availability Zone runs on its own physically distinct, independent infrastructure, and is engineered to be highly reliable. Availability Zones are connected to each other with fast, private fiber-optic networking, enabling you to easily architect applications that automatically fail-over between Availability Zones without interruption.

More about AWS Global infrastructure: <https://aws.amazon.com/about-aws/global-infrastructure/>