# Advanced Data Protection For Redis

Efficient Data Storage

As the world's most popular in-memory database, Redis powers thousands of leading online enterprises, from fraud detection for credit card networks to e-commerce sites. Redis possesses a rather unique design, functioning as both a store and cache simultaneously, where data is manipulated and read from the machines' memory in real-time. To maintain fast read/write capabilities, Redis is a highly memory-intensive database, which can pose challenges for typical security solutions that require architecting to run in a trusted environment, thus impacting performance.

Secure Enclave Protection for Redis

Since protecting passwords, secrets and personal data in Redis is the users' responsibility, now you're assured with Anjuna® Confidential Computing software to safeguard these sensitive workloads through secure enclaves in minutes. Without modifying the Redis codebase, Anjuna secures Redis inside a fully trusted execution environment. Not only does Anjuna add best-in-class protection, encrypting data in memory, but it also secures data in transit and at rest. Anjuna can be used to secure the entire Redis database within minutes on the cloud provider of choice or on-premises. Now, Redis users can gain the encryption necessary to securely and privately store and cache their most sensitive data.
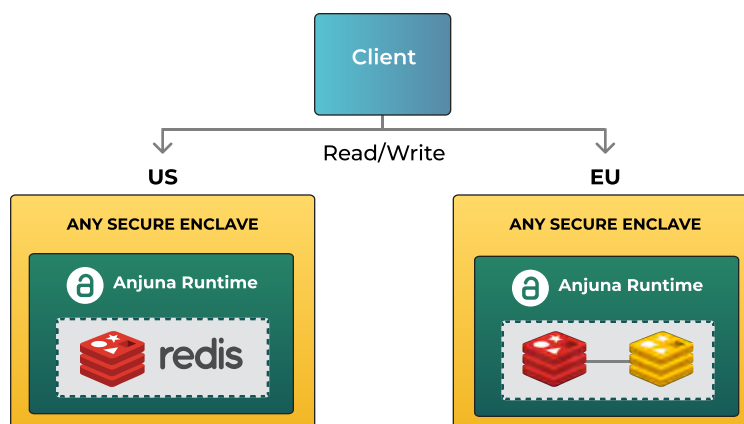
Benefits

Reduced Attack Surface
Isolated protection from vulnerabilities that exist outside of your hardened workloads

Hardened Security
Reinforce the security measures that secure encryption keys and valuable secrets

Eliminate Insiders & Root Access
Instantly protect private data from all unauthorized users

Simple Deployment
Secure Redis in minutes, no recoding necessary

About Anjuna

Anjuna Security makes the public cloud secure for business. Software from Anjuna Security effortlessly enables enterprises to safely run even their most sensitive workloads in the public cloud. Unlike complex perimeter security solutions easily breached by insiders and malicious code, Anjuna leverages the strongest hardware-based secure computing technologies available to make the public cloud the safest computing resource available anywhere.