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Magdalena, *An Alternative Solution to AMAZON Software Defined
Object Storage***

Abstract

Scality Ring is a complete hardware independent solution which can use almost all hardware on the market as the underlying layer to provide access to data in a cloud by different means in a fast and safe manner. The ring solution was designed from the beginning with scalability in mind, also offering high availability and data integrity.

The solution has no single point of failure and it uses 3 major components (Nodes, Connectors and Supervisor) to make it very scalable at any level. Although these components are completely independent they are interconnected through different protocols. They provide data access through RS2, SOFS, SMB or NFS, thus enabling proper data access to different type of servers.

Keywords: *Ring, software defined storage, reliability, cloud storage.*

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