

rgw - Feature #41062

Extend SSE-KMS in Rados Gateway to support HashiCorp Vault

08/02/2019 06:20 PM - Sergio de Carvalho

Status: In Progress	% Done: 0%
Priority: Normal	Spent time: 0.00 hour
Assignee:	
Category:	
Target version: v15.0.0	
Source:	Reviewed:
Tags:	Affected Versions:
Backport: nautilus	Pull request ID:
Description	
<p>Extend SSE-KMS functionality (server-side encryption with a Key Management System) in Rados Gateway to support HashiCorp Vault, in addition to existing OpenStack Barbican support. The proposed solution is to extend the SSE-KMS code in Rados Gateway, introducing an abstraction to plug-in other KMS systems, and adding support for HashiCorp Vault.</p> <p>While Vault supports many authentication methods, the initial implementation will be restricted to the following methods:</p> <ul style="list-style-type: none">- Token - if set, the token is used to call Vault (useful for development and simple use-cases),- Vault Agent - the Vault agent automatically authenticates to Vault and manages the token renewal process for locally-retrieved dynamic secrets <p>More details: https://pad.ceph.com/p/rgw_sse-kms</p>	

History

#1 - 08/08/2019 05:45 PM - Casey Bodley

- Tracker changed from Bug to Feature
- Status changed from New to In Progress

#2 - 08/21/2019 03:44 PM - Sergio de Carvalho

PR: <https://github.com/ceph/ceph/pull/29783>

#3 - 10/22/2019 12:14 PM - Sergio de Carvalho

Second PR: <https://github.com/ceph/ceph/pull/31025>

#4 - 11/15/2019 02:31 PM - Sergio de Carvalho

Third PR: <https://github.com/ceph/ceph/pull/31361>

#5 - 11/26/2019 06:34 PM - Ken Dreyer

- Backport set to nautilus