

Arvados - Feature #17350

[keep-balance] Expected behaviour with different "replicas_desired" and "storage_classes_desired" values

02/05/2021 09:37 PM - Nico César

Status:	Rejected	Start date:	
Priority:	Normal	Due date:	
Assigned To:		% Done:	0%
Category:	Keep	Estimated time:	0.00 hour
Target version:	To Be Groomed		

Description

Note: for this ticket examples the assumption is that there are 600 blocks equally distributed in the volumes.

Goals of this ticket:

- to have all the expected behaviour for keep-balance
- to add to the documentation this behaviour
- to add necessary tests to make sure we comply with this behaviour

Volumes scenario

Scenario 1

Clusters:

test1:

Collections:

DefaultReplication: 1

Volumes:

[test1-nyw5e-0000000000000000](#):

AccessViaHosts:

'http://keep0:25107': {}

[test1-nyw5e-1111111111111111](#):

AccessViaHosts:

'http://keep1:25108': {}

Scenario 2

Clusters:

test1:

Collections:

DefaultReplication: 1

Volumes:

[test1-nyw5e-0000000000000000](#):

AccessViaHosts:

'http://keep0:25107': {}

[test1-nyw5e-1111111111111111](#):

AccessViaHosts:

'http://keep1:25108': {}

StorageClasses:

archival: true

Scenario 3

Clusters:

test1:

Collections:

DefaultReplication: 1

Volumes:

[test1-nyw5e-0000000000000000](#):

AccessViaHosts:

'http://keep0:25107': {}

[test1-nyw5e-1111111111111111](#):

AccessViaHosts:

'http://keep1:25108': {}

StorageClasses:

archival: true

Read-Only

Expected result after tunnign keep balance

Volumes scenario	Expected result after keep-balance run
1	300 blocks in each volume
2	600 blocks in test1-nyw5e-0000000000000000 and 600 blocks in test1-nyw5e-1111111111111111
3	600 blocks in test1-nyw5e-0000000000000000 and 300 blocks in test1-nyw5e-1111111111111111

To be talked in next grooming session (Feb 16th)

- What are the common usecase ?
- What other scenarios we care about?
- How we address the process of changing configuration and re-running keep-balance?

Related issues:

Related to Arvados Epics - Story #16107: Storage classes

Resolved

03/01/2021

09/30/2021

Blocked by Arvados - Feature #17349: [Keep API] Revisit "replicas_desired" a...

Rejected

History

#1 - 02/05/2021 09:37 PM - Nico César

- Related to Story #16107: Storage classes added

#2 - 02/05/2021 09:45 PM - Nico César

- Description updated

#3 - 02/05/2021 09:45 PM - Nico César

- Description updated

#4 - 02/05/2021 09:45 PM - Nico César

- Blocked by Feature #17349: [Keep API] Revisit "replicas_desired" and "storage_classes_desired". added

#5 - 02/05/2021 09:49 PM - Nico César

- Description updated

#6 - 02/08/2021 06:52 PM - Nico César

- Description updated

#7 - 02/08/2021 08:11 PM - Nico César

- Description updated

#8 - 02/08/2021 08:12 PM - Nico César

- Target version set to *To Be Groomed*

- Category set to *Keep*

- Description updated

#9 - 02/15/2021 06:53 PM - Nico César

- Description updated

#10 - 02/15/2021 06:55 PM - Nico César

- Description updated

- Subject changed from *[keep-balance] Collection effective value and storage tiers* to *[keep-balance] Expected behaviour with different "replicas_desired" and "storage_classes_desired" values*

#11 - 02/15/2021 06:57 PM - Nico César

- Description updated

#12 - 03/10/2021 05:43 PM - Peter Amstutz

- Status changed from *New* to *Rejected*