

Arvados - Story #14931

[arvados-dispatch-cloud] Configurable instance tags

03/08/2019 12:23 AM - Tom Clegg

Status: Resolved	Start date: 05/31/2019												
Priority: Normal	Due date:												
Assigned To: Tom Clegg	% Done: 100%												
Category:	Estimated time: 0.00 hour												
Target version: 2019-06-05 Sprint													
Description <p>Two related features would help make arvados-dispatch-cloud play nicer with other ways instance tags are used in the same cloud account:</p> <ol style="list-style-type: none">Admin can supply some tags that get set on all instances created by arvados-dispatch-cloud (e.g., {"myOrg-instance-class": "arvados", "admin-contact": "bob@example.com"})Admin can control the tag prefix (currently a prefix is hard-coded by each driver, but this should be moved out to the dispatcher, and the driver should just do exactly what it's told) <p>Instance-specific resources (like NICs in Azure) should also be tagged, using the same tags as the instance.</p> <p>Shared resources (like key pairs in EC2) should be tagged with the preconfigured tags, but not the per-instance tags. (Implementation: the driver doesn't know which tags are instance-specific, so the set of tags to use for shared resources should be supplied explicitly during driver initialization.)</p> <p>Tag keys and values are case sensitive.</p>													
Subtasks: <p>Task # 15263: Review 14931-custom-tags In Progress</p>													
Related issues: <table><tr><td>Related to Arvados - Feature #14291: [crunch-dispatch-cloud] AWS driver</td><td>Resolved</td><td>02/28/2019</td></tr><tr><td>Related to Arvados - Story #13908: [Epic] Replace SLURM for cloud job schedul...</td><td>Resolved</td><td></td></tr><tr><td>Related to Arvados - Feature #15063: [a-d-c] Assign names to EC2 instances</td><td>Duplicate</td><td></td></tr><tr><td>Has duplicate Arvados - Story #15075: [a-d-c] Support for extra tags on resou...</td><td>Duplicate</td><td></td></tr></table>		Related to Arvados - Feature #14291: [crunch-dispatch-cloud] AWS driver	Resolved	02/28/2019	Related to Arvados - Story #13908: [Epic] Replace SLURM for cloud job schedul...	Resolved		Related to Arvados - Feature #15063: [a-d-c] Assign names to EC2 instances	Duplicate		Has duplicate Arvados - Story #15075: [a-d-c] Support for extra tags on resou...	Duplicate	
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Associated revisions

Revision c792e499 - 06/03/2019 06:59 PM - Tom Clegg

Merge branch '14931-custom-tags'

closes #14931

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <tclegg@veritasgenetics.com>

History

#1 - 03/08/2019 12:24 AM - Tom Clegg

- Related to Feature #14291: [crunch-dispatch-cloud] AWS driver added

#2 - 03/26/2019 05:35 PM - Tom Clegg

- Related to Story #13908: [Epic] Replace SLURM for cloud job scheduling/dispatching added

#3 - 04/03/2019 03:06 PM - Tom Morris

- Tracker changed from Bug to Story

#4 - 04/03/2019 05:59 PM - Tom Morris

- Target version changed from To Be Groomed to Arvados Future Sprints

- Story points set to 1.0

#5 - 04/03/2019 07:13 PM - Tom Morris

- Related to Story #15075: [a-d-c] Support for extra tags on resources created by arvados added

#6 - 04/03/2019 07:17 PM - Tom Clegg

- Description updated

#7 - 04/03/2019 07:18 PM - Tom Clegg

- Description updated

#8 - 04/03/2019 07:18 PM - Tom Clegg

- Has duplicate Story #15075: [a-d-c] Support for extra tags on resources created by arvados added

#9 - 04/03/2019 07:19 PM - Tom Clegg

- Related to deleted (Story #15075: [a-d-c] Support for extra tags on resources created by arvados)

#10 - 05/29/2019 02:44 PM - Tom Clegg

- Status changed from New to In Progress

- Assigned To set to Tom Clegg

- Target version changed from Arvados Future Sprints to 2019-06-05 Sprint

#11 - 05/29/2019 03:41 PM - Tom Clegg

- Related to Feature #15063: [a-d-c] Assign names to EC2 instances added

#12 - 05/30/2019 02:54 PM - Tom Clegg

14931-custom-tags @ [82fff312b0249ae6757bdfc59c985303998748a](https://ci.curoverse.com/view/Developer/job/developer-run-tests/1271/) -- <https://ci.curoverse.com/view/Developer/job/developer-run-tests/1271/>

#13 - 06/03/2019 03:03 PM - Peter Amstutz

I think the default value of TagKeyPrefix in config.yml.default should be "arvados-" instead of blank.

It looks like you can set a static value for a tag like "name" (so you can have a bunch of instances called "arvados compute" which is better than being blank) but do we want a way to set the name based on the Arvados instance id? I'm thinking of the case where the admin needs to correlate an instance on the native cloud dashboard with cloud-dispatch logs. Perhaps the tag value could be interpreted as a format string?

#14 - 06/03/2019 03:39 PM - Tom Clegg

Peter Amstutz wrote:

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How about Arvados, so we get ArvadosInstanceType etc.?

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Dispatch-cloud uses the provider-assigned instance ID instead of inventing its own for logs, status, etc., so I don't think an additional cross-reference field is needed.

Also, that provider-assigned instance ID isn't known yet when we supply the initial tags for a new instance, so we'd have to start with a fake value and then change it on next sync, which would create edge cases for anyone trying to use it.

#15 - 06/03/2019 03:51 PM - Peter Amstutz

Tom Clegg wrote:

Peter Amstutz wrote:

I think the default value of TagKeyPrefix in config.yml.default should be "arvados-" instead of blank.

How about Arvados, so we get ArvadosInstanceType etc.?

Sounds good to me.

It looks like you can set a static value for a tag like "name" (so you can have a bunch of instances called "arvados compute" which is better than being blank) but do we want a way to set the name based on the Arvados instance id? I'm thinking of the case where the admin needs to correlate an instance on the native cloud dashboard with cloud-dispatch logs. Perhaps the tag value could be interpreted as a format string?

Dispatch-cloud uses the provider-assigned instance ID instead of inventing its own for logs, status, etc., so I don't think an additional cross-reference field is needed.

Also, that provider-assigned instance ID isn't known yet when we supply the initial tags for a new instance, so we'd have to start with a fake value and then change it on next sync, which would create edge cases for anyone trying to use it.

Sorry about that, I was thinking of Azure where the instance ids are made up by the driver. You're right, so long as the instance ids in the logs match up with the instance ids on the cloud's dashboard, there is nothing to do here.

Please merge after updating the TagKeyPrefix default.

#16 - 06/03/2019 07:29 PM - Tom Clegg

- *Status changed from In Progress to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset [arvados|c792e4991e1d77620d61efaa2600a93d75227f06](#).

#17 - 01/21/2020 09:10 PM - Peter Amstutz

- *Release set to 22*