

## Arvados - Bug #15007

### [dispatch-cloud] Azure driver panic in Address() (missing nic?)

03/20/2019 08:34 PM - Tom Clegg

<b>Status:</b>	Resolved	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Tom Clegg	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2019-03-27 Sprint		
<b>Description</b>			
Version 1.3.1.20190318151156-1 running on c97qk:			
panic: runtime error: invalid memory address or nil pointer dereference [signal SIGSEGV: segmentation violation code=0x1 addr=0x10 pc=0x858bd9] goroutine 68 [running]: git.curoverse.com/arvados.git/lib/cloud/azure.(*azureInstance).Address(0xc420413d60, 0xc420296d10, 0xad) /tmp/tmp.AW7MSQbSFH/src/git.curoverse.com/arvados.git/lib/cloud/azure/azure.go:648 +0x9 git.curoverse.com/arvados.git/lib/dispatchcloud/worker.(*Pool).updateWorker(0xc42019d340, 0xb5e2e0, 0xc4204fb600, 0xc4202b70b0, 0xe, 0xc4202b70b0, 0xe, 0x1, 0xd59f8000, 0xba43b7400, ...) /tmp/tmp.AW7MSQbSFH/src/git.curoverse.com/arvados.git/lib/dispatchcloud/worker/pool.go:366 +0x3a4 git.curoverse.com/arvados.git/lib/dispatchcloud/worker.(*Pool).sync(0xc42019d340, 0xbf1c1ec2f96cd79c, 0x1266d687d61, 0xe36da0, 0xc42006b0c0, 0x4, 0x4) /tmp/tmp.AW7MSQbSFH/src/git.curoverse.com/arvados.git/lib/dispatchcloud/worker/pool.go:770 +0x452 git.curoverse.com/arvados.git/lib/dispatchcloud/worker.(*Pool).getInstancesAndSync(0xc42019d340, 0x0, 0x0) /tmp/tmp.AW7MSQbSFH/src/git.curoverse.com/arvados.git/lib/dispatchcloud/worker/pool.go:749 +0x27e git.curoverse.com/arvados.git/lib/dispatchcloud/worker.(*Pool).runSync(0xc42019d340) /tmp/tmp.AW7MSQbSFH/src/git.curoverse.com/arvados.git/lib/dispatchcloud/worker/pool.go:675 +0x12f created by git.curoverse.com/arvados.git/lib/dispatchcloud/worker.NewPool.func1 /tmp/tmp.AW7MSQbSFH/src/git.curoverse.com/arvados.git/lib/dispatchcloud/worker/pool.go:116 +0xb9			
Suspect it's just that <a href="#">#14844</a> didn't account for ai.nic being nil on line 648 here:			
<pre>func (ai *azureInstance) Address() string {     if ai.nic.IPConfigurations != nil &amp;&amp;</pre>			
It seems like ai.nic becomes nil in Instances() if az.vmlClient.listComplete() refers to a nic that didn't show up in az.manageNics() (interfaces[*result.Value().NetworkProfile.NetworkInterfaces][0].ID) would be nil). Either Azure sometimes uses references to nics before they start showing up in az.netClient.listComplete(), or it's just that we do our "list nics" and "list instances" calls in the wrong order in Instances().			
Either way, if ai.nic != nil && ... should fix it.			

#### Associated revisions

##### Revision 7ef48a59 - 03/21/2019 08:55 PM - Tom Clegg

Merge branch '15007-azure-panic'

fixes #15007

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <[tclegg@veritasgenetics.com](mailto:tclegg@veritasgenetics.com)>

##### Revision c681e0b8 - 03/31/2019 07:25 PM - Tom Clegg

Add another nil check to Azure driver.

refs #15007

## History

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### #1 - 03/21/2019 08:56 PM - Tom Clegg

- Status changed from New to Resolved
- % Done changed from 0 to 100

Applied in changeset [arvados|7ef48a5956f4032eee9790b06cc18ab36395d788.](#)

### #2 - 03/27/2019 03:32 PM - Tom Morris

- Target version changed from Arvados Future Sprints to 2019-03-27 Sprint

### #3 - 05/21/2019 10:25 PM - Tom Morris

- Assigned To set to Tom Clegg

### #4 - 05/21/2019 10:27 PM - Tom Morris

- Release set to 15