Foreman - Bug #23911

Unable to build VM in Storage Pod that does not have DRS enabled

06/12/2018 06:12 PM - Chris Roberts

Status:	New		
Priority:	Normal		
Assignee:			
Category:	Compute resources - VMware		
Target version:			
Difficulty:	medium	**Fixed in Releases:**	
Triaged:	Yes	**Found in Releases:**	1.18.0-RC1
Bugzilla link:	1590512	**Red Hat JIRA:**	
Pull request:			

Description

Cloned from BZ:

Description of problem:
I am trying to build a VM on a VMware Storage Pod that does not have DRS enabled and it keeps failing.

Version-Release number of selected component (if applicable):

Foreman 1.18

How reproducible:

Steps to Reproduce:
1. Install Foreman and add VMware compute resource
2. Build VM selecting Storage POD
3. Watch the error

Actual results:

2018-06-12T12:53:16 [I|app|fb52d] Adding Compute instance for jim-paleo.toledo.satellite.lab.eng.rdu2.redhat.com
2018-06-12T12:53:17 [I|app|fb52d] Loaded compute resource data for networks in 0.818438204 seconds
2018-06-12T12:53:18 [W|app|fb52d] Failed to create a compute VMware (VMware) instance
jim-paleo.toledo.satellite.lab.eng.rdu2.redhat.com: InvalidArgument: A specified parameter was not correct:
podSelectionspec.storagePod

Expected results:
For it to build correctly.

Additional info:

History

#1 - 06/12/2018 06:13 PM - Chris Roberts

I tested this with DRS off on the storage pod:

http://nimb.ws/4sp9J3

And had the VM HDD selection set as the Storage Pod:

http://nimb.ws/ic1VHK

I did get the same error you are getting:

http://nimb.ws/tgOEmN

Along with the stack trace from the production log.

2018-06-12T12:53:16 [I|app|fb52d] Adding Compute instance for jim-paleo.toledo.satellite.lab.eng.rdu2.redhat.com

2018-06-12T12:53:17 [I|app|fb52d] Loaded compute resource data for networks in 0.818438204 seconds
2018-06-12T12:53:18 [W|app|fb52d] Failed to create a compute VMware (VMware) instance jim-paleo.toledo.satellite.lab.eng.rdu2.redhat.com:
InvalidArgument: A specified parameter was not correct: podSelectionspec.storagePod

I then tested it with DRS enabled:

http://nimb.ws/LuFKW9

And it worked correctly:

http://nimb.ws/UvbVe5

http://nimb.ws/FghnSq

#2 - 06/28/2018 06:05 PM - Chris Roberts

- Assignee deleted (Chris Roberts)

- Triaged set to No

#3 - 07/03/2018 09:55 PM - Chris Roberts

- Triaged changed from No to Yes

#4 - 02/19/2019 10:01 AM - J. A.

I'm seeing the same behavior, Foreman 1.20.1 and vCenter 6.7.

Datastore Clusters with Storage DRS disabled show up as options in the Storage Pod dropdown box on the Virtual Machine tab when creating a host on a VMWare compute resource. But when submitting the create host form with such a pod selected, I get:

```
Unable to save
Failed to create a compute my-compute (VMware) instance my-fqdn: InvalidArgument: A specified parameter was no
t correct: podSelectionspec.storagePod
```

Stack trace:

```
 | RbVmomi::Fault: InvalidArgument: A specified parameter was not correct: podSelectionspec.storagePod
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/rbvmomi-1.13.0/lib/rbvmomi/connection.rb:63:in `parse_response'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/rbvmomi-1.13.0/lib/rbvmomi/connection.rb:92:in `call'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/rbvmomi-1.13.0/lib/rbvmomi/basic_types.rb:213:in `_call'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/rbvmomi-1.13.0/lib/rbvmomi/basic_types.rb:76:in `block (2 levels)
 in init'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/fog-vsphere-2.5.0/lib/fog/vsphere/requests/compute/create_vm.rb:6
2:in `create_vm_on_storage_pod'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/fog-vsphere-2.5.0/lib/fog/vsphere/requests/compute/create_vm.rb:3
6:in `create_vm'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/fog-vsphere-2.5.0/lib/fog/vsphere/models/compute/server.rb:301:in
 `save'
 | /usr/share/foreman/app/models/compute_resources/foreman/model/vmware.rb:450:in `create_vm'
 | /usr/share/foreman/app/models/concerns/orchestration/compute.rb:86:in `setCompute'
 | /usr/share/foreman/app/models/concerns/orchestration.rb:222:in `execute'
 | /usr/share/foreman/app/models/concerns/orchestration.rb:145:in `block in process'
 | /usr/share/foreman/app/models/concerns/orchestration.rb:137:in `each'
 | /usr/share/foreman/app/models/concerns/orchestration.rb:137:in `process'
 | /usr/share/foreman/app/models/concerns/orchestration.rb:44:in `around_save_orchestration'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activesupport-5.2.1/lib/active_support/callbacks.rb:118:in `block
 in run_callbacks'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activesupport-5.2.1/lib/active_support/callbacks.rb:136:in `run_c
allbacks'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activesupport-5.2.1/lib/active_support/callbacks.rb:816:in `_run_
save_callbacks'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/callbacks.rb:342:in `create_
or_update'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/persistence.rb:275:in `save'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/validations.rb:46:in `save'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/transactions.rb:310:in `bloc
k (2 levels) in save'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/transactions.rb:387:in `bloc
k in with_transaction_returning_status'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/connection_adapters/abstract
/database_statements.rb:254:in `block in transaction'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/connection_adapters/abstract
/transaction.rb:239:in `block in within_new_transaction'
 | /usr/lib/ruby/2.3.0/monitor.rb:214:in `mon_synchronize'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/connection_adapters/abstract
```

```
/transaction.rb:236:in `within_new_transaction'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/connection_adapters/abstract
/database_statements.rb:254:in `transaction'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/transactions.rb:212:in `tran
saction'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/transactions.rb:385:in `with
_transaction_returning_status'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/transactions.rb:310:in `bloc
k in save'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/transactions.rb:325:in `roll
back_active_record_state!'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/transactions.rb:309:in `save
'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/activerecord-5.2.1/lib/active_record/suppressor.rb:44:in `save'
 | /usr/share/foreman/app/models/concerns/foreman/sti.rb:26:in `save'
 | /usr/share/foreman/app/controllers/hosts_controller.rb:104:in `create'
 | /usr/share/foreman/vendor/ruby/2.3.0/gems/actionpack-5.2.1/lib/action_controller/metal/basic_implicit_rende
r.rb:6:in `send_action'
```

If this is expected behavior, maybe datastore clusters with Storage DRS disabled should not be considered eligible storage pods.