Foreman - Bug #23378

Unable to create a VM on 1.17.0 on vCenter 6.5.

04/24/2018 08:46 AM - Ian Mordey

Status: Closed
Priority: Normal
Assignee: Timo Goebel
Category: 
Target version: 1.17.1


Triaged: 

Bugzilla link: 

Fixed in Releases: 

Found in Releases: 

Description

Following on from #23335 I applied the patch from http://projects.theforeman.org/issues/23335#note-31

I now get this error when I attempt to create a new VM:

2018-04-24 04:29:02 e0e9f15a [app] [W] Failed to create a compute prod03.ashb (VMware) instance irvin-catania.example.com: InvalidRequest:
| Cannot parse "70aa0880-4799-11e8-b3ab-d7400f90b035" as an int value
| while parsing serialized value of type int
| at line 1, column 1394
| while parsing property "key" of static type int
| while parsing serialized DataObject of type vim.vm.device.VirtualDisk
| at line 1, column 1363
| while parsing property "device" of static type VirtualDevice
| while parsing serialized DataObject of type vim.vm.device.VirtualDeviceSpec
| at line 1, column 1251
| while parsing property "deviceChange" of static type ArrayOfVirtualDeviceConfigSpec
| while parsing serialized DataObject of type vim.vm.ConfigSpec
| at line 1, column 247
| while parsing call information for method CreateVM_Task
| at line 1, column 177
| while parsing SOAP body
| at line 1, column 167
| while parsing SOAP envelope
| at line 1, column 0
| while parsing HTTP request for method createVm
| on object of type vim.Folder
| at line 1, column 0
| RbVmomi::Fault: InvalidRequest:
| Cannot parse "70aa0880-4799-11e8-b3ab-d7400f90b035" as an int value
while parsing serialized value of type int
at line 1, column 1394

while parsing property "key" of static type int

while parsing serialized DataObject of type vim.vm.device.VirtualDisk
at line 1, column 1363

while parsing property "device" of static type VirtualDevice

while parsing serialized DataObject of type vim.vm.device.VirtualDeviceSpec
at line 1, column 1251

while parsing property "deviceChange" of static typeArrayOfVirtualDeviceConfigSpec

while parsing serialized DataObject of type vim.vm.ConfigSpec
at line 1, column 247

while parsing call information for method CreateVM_Task
at line 1, column 177

while parsing SOAP body
at line 1, column 167

while parsing SOAP envelope
at line 1, column 0

while parsing HTTP request for method createVm
on object of type vim.Folder
at line 1, column 0

/opt/theforeman/tfm/root/usr/share/gems/gems/rbvmomi-1.10.0/lib/rbvmomi/connection.rb:63:in `parse_response'

/opt/theforeman/tfm/root/usr/share/gems/gems/rbvmomi-1.10.0/lib/rbvmomi/connection.rb:92:in `call'

/opt/theforeman/tfm/root/usr/share/gems/gems/rbvmomi-1.10.0/lib/rbvmomi/basic_types.rb:213:in `_call'

/opt/theforeman/tfm/root/usr/share/gems/gems/rbvmomi-1.10.0/lib/rbvmomi/basic_types.rb:76:in `block (2 levels) in init'


/opt/theforeman/tfm/root/usr/share/gems/fog-vsphere-2.1.0/lib/fog/vsphere/requests/compute/create_vm.rb:40:in `create_vm'


/usr/share/foreman/app/models/compute_resources/foreman/model/vmware.rb:447:in `create_vm'

/usr/share/foreman/app/models/concerns/orchestration/compute.rb:77: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'


/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/callbacks.rb:827:in `_run_save_callbacks'

/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/persistence.rb:129:in `save'

/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/persistence.rb:336:in `create_or_update'

/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/validations.rb:44:in `save'

/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/attribute_methods/dirty.rb:35:in `save'

/opt/theforeman/tfm-ror51/root/usr/share/gems/gems/activerecord-5.1.4/lib/active_record/transactions.rb:308:in `block (2 levels) in save'

03/27/2022
2018-04-24 04:29:02 e0e9f15a [app] [W] Rolling back due to a problem: [#<Orchestration::Task:0x0000000095134f8 @name="Set up compute instance irvin-catania.example.com", @status="failed", @priority=2, @action=[#<Host::Managed id: nil, name: "irvin-catania.example.com", last_compile: nil, last_report: nil, updated_at: nil, created_at: nil, root_pass: "$xxxx", architecture_id: 1, operating_system_id: 1, environment_id: 1, model_id: nil, hostgroup_id: nil, owner_id: 6, owner_type: "User", enabled: true, puppet_ca_proxy_id: 0, puppet_proxy_id: 1, certname: nil, image_id: nil, organization_id: nil, location_id: nil, type: "Host::Managed", otp: nil, realm_id: 1, compute_profile_id: nil, provision_method: "build", pxe_loader: "$PXELinux BIOS">, :setCompute], @timestamp=2018-04-24 08:29:02 UTC>]

Related issues:
- Related to Foreman - Bug #23335: Cannot create VM in a vCenter. NoMethodError. Closed
- Related to Foreman - Bug #23427: [1.17.0] VMWare: creating new compute profil... Need more info

Associated revisions
Revision 3b0a7ea0 - 06/04/2018 01:51 PM - Timo Goebel
fixes #23378 - vsphere: filter volume key parameter

History
#1 - 04/24/2018 08:54 AM - Ian Mordey
  - Related to Bug #23335: Cannot create VM in a vCenter. NoMethodError. added

#2 - 04/24/2018 09:05 AM - Timo Goebel
This is hard to debug without knowing what data is passed to vsphere.

Ian, do you feel comfortable adding a debug command to your code and share the output?
https://gist.github.com/timogoebel/9467f3be42cf0e08a3d0a8b0eb5

Thanks.
Here you go. Only thing I've replaced is the VM name.

2018-04-24 05:11:21 842fe5ab [app] [E] DEBUG: compute resource args: {
  "cpus": "1",
  "corespersocket": "1",
  "memory_mb": "2048",
  "firmware": "automatic",
  "cluster": "ASHB_PROD",
  "resource_pool": "Resources",
  "path": "/Data centers/ASHB/vm",
  "guest_id": "otherGuest",
  "hardware_version": "Default",
  "memoryHotAddEnabled": "0",
  "cpuHotAddEnabled": "0",
  "add_cdrom": "0",
  "start": "1",
  "annotation": "",
  "scsi_controllers": [{
    "type": "VirtualLsiLogicController",
    "key": 1000
  }],
  "volumes_attributes": {
    "0": {
      "thin": true,
      "name": "Hard disk",
      "mode": "persistent",
      "controller_key": 1000,
      "size": 10485760,
      "size_gb": 10,
      "key": "5b1a42e0-479f-11e8-aba7-17f6bbee24a7",
      "datastore": "PROD_DS2"
    }
  },
  "name": "brent-lishman.example.com",
  "provision_method": "build",
  "firmware_type": "bios",
  "interfaces_attributes": {
    "0": {
      "network": "SERVER-10G_1020",
      "type": "VirtualVmxnet3",
      "ip": "10.8.12.112",
      "ip6": "",
      "virtualswitch": "m11"
    }
  }
}

Interesting. The volume should not contain the `key` parameter. I believe we only use that in the react ui.

Here is a quick patch that might fix this. I haven't tested it, though and it's not a good fix. The ui should not send the parameter. The patch just filters it out from the request parameters.

https://gist.github.com/timogoebel/d2e4ac9c51e495531b158c58bbe927

Do you provision the vm using a compute profile?

Actually, we already filter the `key` parameter in the ui:

https://github.com/theforeman/foreman/blob/80dc430ed4b45794f25c514ad03a5d3d45d2135/webpack/assets/javascripts/react_app/components/hosts/storage/vmware/index.js#L64

Still get the same error with that patch applied and the key is still visible in the DEBUG compute resource args.

I'm not using compute profiles at the minute.

-Legacy Backlogs Release (now unused) set to 297

i have the same issue, also with patch.

Do you provision the vm using a compute profile?
It looks like the UI filtering does not work properly. I have a fix, I just have to test if this is isolated to 1.17-stable or also happens on the develop branch.

I also updated the fix in the gist. That should do as a workaround for now.

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### #10 - 04/25/2018 08:33 AM - Timo Goebel

The vsphere storage ui renders a hidden field with json data.

The value looks different on 1.17-stable and 1.18-stable:

**1.18-stable:**

```
{
  "scsiControllers": [{
    "type": "VirtualLsiLogicController",
    "key": 1000
  }],
  "volumes": [{
    "thin": true,
    "name": "Hard disk",
    "mode": "persistent",
    "controllerKey": 1000,
    "size": 10485760,
    "sizeGb": 10
  }]
}
```

**1.17-stable:**

```
{
  "scsiControllers": [{
    "type": "VirtualLsiLogicController",
    "key": 1000
  }],
  "volumes": [{
    "thin": true,
    "name": "Hard disk",
    "mode": "persistent",
    "controllerKey": 1000,
    "size": 10485760,
    "sizeGb": 10,
    "key": "bd3ebb40-462-11e8-9aaf-adee3f618487"
  }]
}
```

Note the added key key.

I haven't been able to figure out why this is happening.

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### #11 - 04/25/2018 10:11 AM - David Fuellgraf

OK, so with the change to key, it is working now :) but only if I directly assign a data store. With a storage pod, I also get an error:

```
henry-mihatsch.dv.tp.nl: InvalidArgument: A specified parameter was not correct: podSelectionSpec.storagePod
```

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### #12 - 04/25/2018 12:10 PM - The Foreman Bot

- Status changed from Assigned to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/5492 added

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### #13 - 05/14/2018 05:24 PM - Jeff Sparrow

fyi, I applied the mentioned patches here:

https://github.com/theforeman/foreman/pull/5492#issuecomment-388376176

and it worked (1.17 / ESX 6.5)

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### #14 - 05/16/2018 11:23 PM - Eric Hansen

- Legacy Backlogs Release (now unused) changed from 297 to 296
I'm hitting something similar here after applying patches 5492 and 5481... are there any additional patches here to make this work?

2018-05-16 19:15:25 f279f3e5 [app] [I] Failed to save: Failed to create a compute tsmvc2-New_Datacenter (VMware) instance
jim-belay.qa.catalogic.us: InvalidRequest: | Cannot parse "ebcc41f0-595e-11e8-91c2-ada0f3ea3613" as an int value | | while parsing serialized value of type int | at line 1, column 1398 | | while parsing property "key" of static type int | | while parsing serialized DataObject of type vim.vm.device.VirtualDisk | at line 1, column 1367 | | while parsing property "device" of static type VirtualDevice | | while parsing serialized DataObject of type vim.vm.device.VirtualDeviceSpec | at line 1, column 1255 | | while parsing property "deviceChange" of static type ArrayOfVirtualDeviceConfigSpec | | while parsing serialized DataObject of type vim.vm.ConfigSpec | at line 1, column 247 | | while parsing call information for method CreateVM_Task | at line 1, column 177 | | while parsing SOAP body | at line 1, column 167 | | while parsing SOAP envelope | at line 1, column 0 | | while parsing HTTP request for method createVm | on object of type vim.Folder | at line 1, column 0

#15 - 05/16/2018 11:32 PM - Eric Hansen
Never mind... I had to apply one of the patches manually and it worked.

#16 - 05/26/2018 10:25 AM - Daniel Lobato Garcia
- Legacy Backlogs Release (now unused) changed from 296 to 360

#17 - 05/28/2018 08:14 AM - Ondřej Pražák
- Legacy Backlogs Release (now unused) changed from 360 to 297
- Pull request https://github.com/theforeman/foreman/pull/5576 added

#18 - 05/30/2018 05:23 AM - Marek Hulán
- Status changed from Ready For Testing to Closed

The linked PR (non react one) was delivered in 1.17.1, would you mind updating and testing? Closing this now, please let us know in case it didn't help.

#19 - 06/04/2018 03:20 PM - The Foreman Bot
- Pull request https://github.com/theforeman/foreman/pull/5644 added

#20 - 06/26/2018 01:21 PM - Timo Goebel
- Related to Bug #23427: [1.17.0] VMWare: creating new compute profile is unusable added