

Directions for version 5.5(vc55u3.tar):

```
mkdir MyDrmDiagnose55
cp vc55u3.tar MyDrmDiagnose55
cd MyDrmDiagnose55
tar -xvf vc55u3.tar
cp build/obj-x64/vpx/drmdiagnose/runDrmDiagnose.sh build/obj-
x64/vpx/drmdiagnose/0001414000-proposeActions.dump build/obj-
x64/vpx/drmdiagnose/drmdiagnose build/obj-x64/vpx/drmdiagnose/vpx-drs-
algo-obj.a .
./runDrmDiagnose.sh 0001414000-proposeActions.dump
```

Output will look like:

```
2015-08-17T16:39:47.002-07:00 [7F8A047A1700 info 'Default'] Logging uses
fast path: true
2015-08-17T16:39:47.003-07:00 [7F8A047A1700 info 'Default'] Handling
bora/lib logs with VmaCore facilities
2015-08-17T16:39:47.003-07:00 [7F8A047A1700 info 'Default'] Initialized
channel manager
2015-08-17T16:39:47.003-07:00 [7F8A047A1700 info 'Default'] Current
working directory: /dbc/pa-dbc1125/kdeshpan/kdeshpan-
vsphere5x/vc55u3/bora/MyDrmDiagnose55
2015-08-17T16:39:47.003-07:00 [7F8A0475E700 info 'ThreadPool'] Thread
enlisted
2015-08-17T16:39:47.003-07:00 [7F8A047A1700 info 'ThreadPool'] Thread
pool on asio: Min Io, Max Io, Min Task, Max Task, Max Concurrency: 2, 200,
2, 10, 2147483647
2015-08-17T16:39:47.003-07:00 [7F8A047A1700 info 'ThreadPool'] Thread
enlisted
2015-08-17T16:39:47.003-07:00 [7F8A0471D700 info 'ThreadPool'] Thread
enlisted
2015-08-17T16:39:47.003-07:00 [7F8A0469B700 info 'ThreadPool'] Thread
enlisted
2015-08-17T16:39:47.003-07:00 [7F8A046DC700 info 'ThreadPool'] Thread
enlisted
2015-08-17T16:39:47.003-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]
Base DumpDir: drmdump
-->
2015-08-17T16:39:47.005-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]
Base DumpDir: drmdump
-->
2015-08-17T16:39:47.005-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]
fixed stats for VM standalone-9009eddb0-esx.0-vm.0 with 12 samples, 6
period, mem 312, cpu 896 896
2015-08-17T16:39:47.005-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]
fixed stats for VM standalone-9009eddb0-esx.0-vm.1 with 11 samples, 6
period, mem 289, cpu 1008 1008
2015-08-17T16:39:47.005-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]
fixed stats for VM standalone-9009eddb0-esx.1-vm.0 with 5 samples, 6
period, mem 298, cpu 2800 2800
2015-08-17T16:39:47.005-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]
fixed stats for VM standalone-9009eddb0-esx.1-vm.1 with 4 samples, 6
period, mem 310, cpu 2800 2800
2015-08-17T16:39:47.005-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]
fixed stats for VM standalone-9009eddb0-esx.2-vm.0 with 3 samples, 6
period, mem 157, cpu 2800 2800
2015-08-17T16:39:47.005-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]
fixed stats for VM standalone-9009eddb0-esx.2-vm.1 with 2 samples, 6
period, mem 6, cpu 2800 2800
```

2015-08-17T16:39:47.005-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] fixed stats for VM standalone-9009eddb0-esx.3-vm.0 with 0 samples, 6 period, mem 512, cpu 2800 2800

2015-08-17T16:39:47.005-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] fixed stats for VM standalone-9009eddb0-esx.3-vm.1 with 0 samples, 6 period, mem 512, cpu 2800 2800

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.0-vm.0 actmem: cur 384 hist-on 384 hist-off 384 hist-cb 384 hist-sr 384

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.0-vm.0 actcpu: cur 896.000000 hist-on 896.000000 hist-off 896.000000 hist-cb 896.000000 hist-sr 896.000000

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] GetStableDuration: large gap found in stats for object 40 at time 1329000000, discard old ones.

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] GetStableDuration: large gap found in stats for object 40 at time 1329000000, discard old ones.

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.0-vm.0 Overhead Growth Rate = 295.519318 Allowed overhead Growth MB = 86

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.0-vm.1 actmem: cur 384 hist-on 384 hist-off 384 hist-cb 384 hist-sr 384

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.0-vm.1 actcpu: cur 1008.000000 hist-on 1008.000000 hist-off 1008.000000 hist-cb 1008.000000 hist-sr 1008.000000

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] GetStableDuration: large gap found in stats for object 41 at time 1329000000, discard old ones.

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] GetStableDuration: large gap found in stats for object 41 at time 1329000000, discard old ones.

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.0-vm.1 Overhead Growth Rate = 334.659149 Allowed overhead Growth MB = 98

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.1-vm.0 actmem: cur 384 hist-on 384 hist-off 384 hist-cb 384 hist-sr 384

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.1-vm.0 actcpu: cur 2800.000000 hist-on 2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] GetStableDuration: large gap found in stats for object 42 at time 1389000000, discard old ones.

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] GetStableDuration: large gap found in stats for object 42 at time 1389000000, discard old ones.

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.1-vm.0 Overhead Growth Rate = 3375.999756 Allowed overhead Growth MB = 100

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.1-vm.1 actmem: cur 384 hist-on 384 hist-off 384 hist-cb 384 hist-sr 384

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] For VM standalone-9009eddb0-esx.1-vm.1 actcpu: cur 2800.000000 hist-on 2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm] GetStableDuration: large gap found in stats for object 43 at time 1389000000, discard old ones.

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
GetStableDuration: large gap found in stats for object 43 at time  
1389000000, discard old ones.

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.1-vm.1 Overhead Growth Rate = 481.999969  
Allowed overhead Growth MB = 100

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.2-vm.0 actmem: cur 384 hist-on 384 hist-  
off 384 hist-cb 384 hist-sr 384

2015-08-17T16:39:47.006-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.2-vm.0 actcpu: cur 2800.000000 hist-on  
2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
GetStableDuration: large gap found in stats for object 44 at time  
1389000000, discard old ones.

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
GetStableDuration: large gap found in stats for object 44 at time  
1389000000, discard old ones.

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.2-vm.0 Overhead Growth Rate = 349.000000  
Allowed overhead Growth MB = 100

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.2-vm.1 actmem: cur 384 hist-on 384 hist-  
off 384 hist-cb 384 hist-sr 384

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.2-vm.1 actcpu: cur 2800.000000 hist-on  
2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
GetStableDuration: large gap found in stats for object 45 at time  
1389000000, discard old ones.

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
GetStableDuration: large gap found in stats for object 45 at time  
1389000000, discard old ones.

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.2-vm.1 Overhead Growth Rate = 488.000000  
Allowed overhead Growth MB = 100

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.3-vm.0 actmem: cur 512 hist-on 512 hist-  
off 512 hist-cb 512 hist-sr 512

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.3-vm.0 actcpu: cur 2800.000000 hist-on  
2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
GetStableDuration: large gap found in stats for object 46 at time  
1389000000, discard old ones.

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
GetStableDuration: large gap found in stats for object 46 at time  
1389000000, discard old ones.

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.3-vm.0 Overhead Growth Rate = 1270.000000  
Allowed overhead Growth MB = 100

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.3-vm.1 actmem: cur 512 hist-on 512 hist-  
off 512 hist-cb 512 hist-sr 512

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.3-vm.1 actcpu: cur 2800.000000 hist-on  
2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000

2015-08-17T16:39:47.007-07:00 [7F8A047A1700 verbose 'drmLogger'] [Drm]  
For VM standalone-9009eddb0-esx.3-vm.1 Overhead Growth Rate = -1.000000  
Allowed overhead Growth MB = 20

Name	Id	CpuDemand	CpuUsage	CpuAllocation	MemDemand
standalone-9009eddb0-esx.0-vm.0	40	896	868	2800	400
328	633				
standalone-9009eddb0-esx.0-vm.1	41	1008	1008	2800	400
305	633				
standalone-9009eddb0-esx.1-vm.0	42	2800	0	2800	400
314	556				
standalone-9009eddb0-esx.1-vm.1	43	2800	0	2800	400
326	554				
standalone-9009eddb0-esx.2-vm.0	44	2800	0	2800	400
173	556				
standalone-9009eddb0-esx.2-vm.1	45	2800	0	2800	400
22	556				
standalone-9009eddb0-esx.3-vm.0	46	2800	0	2800	512
512	556				
standalone-9009eddb0-esx.3-vm.1	47	2800	0	2800	512
512	543				

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 Directions for version 5.1(vsphere51.tar):

```
mkdir MyDrmDiagnose51
cp vsphere51.tar MyDrmDiagnose55
cd MyDrmDiagnose55
tar -xvf vsphere51.tar
cp build/obj-x64/vpx/drmdiagnose/runDrmDiagnose.sh build/obj-
x64/vpx/drmdiagnose/0001456000-proposeActions.dump build/obj-
x64/vpx/drmdiagnose/drmdiagnose build/obj-x64/vpx/drmdiagnose/vpx-drs-
algo-obj.a .
./runDrmDiagnose.sh 0001456000-proposeActions.dump
```

Output will look like:

```
2015-08-17T14:48:47.170-07:00 [7F17CBBCC700 info 'Default'] Logging uses
fast path: true
2015-08-17T14:48:47.170-07:00 [7F17CBBCC700 info 'Default'] Handling
bora/lib logs with VmaCore facilities
2015-08-17T14:48:47.170-07:00 [7F17CBBCC700 info 'Default'] Initialized
channel manager
2015-08-17T14:48:47.170-07:00 [7F17CBBCC700 info 'Default'] Current
working directory: /dbc/pa-dbc1125/kdeshpan/kdeshpan-
vsphere5x/vsphere5x/bora/MyDrmDiagnose51
2015-08-17T14:48:47.170-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
Base DumpDir: drmdump
-->
2015-08-17T14:48:47.173-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
Base DumpDir: drmdump
-->
2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
fixed stats for VM standalone-48c348e56-esx.0-vm.0 with 59 samples, 6
period, mem 300, cpu 28 28
2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
fixed stats for VM standalone-48c348e56-esx.0-vm.1 with 58 samples, 6
period, mem 278, cpu 28 28
2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
fixed stats for VM standalone-48c348e56-esx.1-vm.0 with 54 samples, 6
period, mem 300, cpu 28 56
```

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] fixed stats for VM standalone-48c348e56-esx.1-vm.1 with 53 samples, 6 period, mem 283, cpu 28 84

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] fixed stats for VM standalone-48c348e56-esx.2-vm.0 with 2 samples, 6 period, mem 6, cpu 2800 2800

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] fixed stats for VM standalone-48c348e56-esx.2-vm.1 with 0 samples, 6 period, mem 512, cpu 2800 2800

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] fixed stats for VM standalone-48c348e56-esx.3-vm.0 with 0 samples, 6 period, mem 512, cpu 2800 2800

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] fixed stats for VM standalone-48c348e56-esx.3-vm.1 with 0 samples, 6 period, mem 512, cpu 2800 2800

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.0-vm.0 actmem: cur 354 hist-on 266 hist-off 266 hist-cb 384 hist-sr 354

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.0-vm.0 actcpu: cur 28.000000 hist-on 28.000000 hist-off 28.000000 hist-cb 28.000000 hist-sr 23.333334

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.0-vm.0 Overhead Growth Rate = 55.849300 Allowed overhead Growth MB = 16

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.0-vm.1 actmem: cur 348 hist-on 256 hist-off 256 hist-cb 384 hist-sr 348

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.0-vm.1 actcpu: cur 28.000000 hist-on 28.000000 hist-off 28.000000 hist-cb 28.000000 hist-sr 23.333334

2015-08-17T14:48:47.174-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.0-vm.1 Overhead Growth Rate = 57.032093 Allowed overhead Growth MB = 16

2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.1-vm.0 actmem: cur 354 hist-on 266 hist-off 266 hist-cb 384 hist-sr 354

2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.1-vm.0 actcpu: cur 56.000000 hist-on 28.000000 hist-off 28.000000 hist-cb 196.000000 hist-sr 51.333332

2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.1-vm.0 Overhead Growth Rate = 54.787647 Allowed overhead Growth MB = 16

2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.1-vm.1 actmem: cur 338 hist-on 245 hist-off 245 hist-cb 384 hist-sr 338

2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.1-vm.1 actcpu: cur 84.000000 hist-on 28.000000 hist-off 28.000000 hist-cb 336.000000 hist-sr 74.666664

2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.1-vm.1 Overhead Growth Rate = 55.068283 Allowed overhead Growth MB = 16

2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.2-vm.0 actmem: cur 384 hist-on 384 hist-off 384 hist-cb 384 hist-sr 384

2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] For VM standalone-48c348e56-esx.2-vm.0 actcpu: cur 2800.000000 hist-on 2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000

2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm] GetStableDuration: large gap found in stats for object 44 at time 1419000000, discard old ones.

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2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
GetStableDuration: large gap found in stats for object 44 at time
1419000000, discard old ones.
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.2-vm.0 Overhead Growth Rate = 296.999969
Allowed overhead Growth MB = 87
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.2-vm.1 actmem: cur 512 hist-on 512 hist-
off 512 hist-cb 512 hist-sr 512
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.2-vm.1 actcpu: cur 2800.000000 hist-on
2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.2-vm.1 Overhead Growth Rate = -1.000000
Allowed overhead Growth MB = 20
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.3-vm.0 actmem: cur 512 hist-on 512 hist-
off 512 hist-cb 512 hist-sr 512
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.3-vm.0 actcpu: cur 2800.000000 hist-on
2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.3-vm.0 Overhead Growth Rate = -1.000000
Allowed overhead Growth MB = 20
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.3-vm.1 actmem: cur 512 hist-on 512 hist-
off 512 hist-cb 512 hist-sr 512
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.3-vm.1 actcpu: cur 2800.000000 hist-on
2800.000000 hist-off 2800.000000 hist-cb 2800.000000 hist-sr 2800.000000
2015-08-17T14:48:47.175-07:00 [7F17CBBCC700 verbose 'drmLogger'] [Drm]
For VM standalone-48c348e56-esx.3-vm.1 Overhead Growth Rate = -1.000000
Allowed overhead Growth MB = 20

```

Name	Id	CpuDemand	CpuUsage	CpuAllocation	MemDemand
standalone-48c348e56-esx.0-vm.0	40	28	28	2800	370
316	552				
standalone-48c348e56-esx.0-vm.1	41	28	28	2800	364
294	552				
standalone-48c348e56-esx.1-vm.0	42	56	56	2800	370
316	544				
standalone-48c348e56-esx.1-vm.1	43	84	84	2800	354
299	544				
standalone-48c348e56-esx.2-vm.0	44	2800	0	2800	399
21	552				
standalone-48c348e56-esx.2-vm.1	45	2800	0	2800	512
512	552				
standalone-48c348e56-esx.3-vm.0	46	2800	0	2800	512
512	539				
standalone-48c348e56-esx.3-vm.1	47	2800	0	2800	512
512	539				

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Directions for version 6.0 (vsphere60.tar):

```

mkdir MyDrmDiagnose60
cp vsphere60.tar MyDrmDiagnose60
cd MyDrmDiagnose60
tar -xvf vsphere60.tar
cp vpx/drs/test/runDrmDiagnose.sh .

```

./runDrmDiagnose.sh 0002622000-proposeNonResActions.dump

Output will look like:

```
2015-08-17T17:07:07.251-07:00 verbose -[7F2A24995820] [Originator@6876
sub=Default] Dumping early logs:
2015-08-17T17:07:07.251-07:00 warning -[7F2A24995820] [Originator@6876
sub=Default] Unrecognized log/level '' using 'info'
2015-08-17T17:07:07.251-07:00 info -[7F2A24995820] [Originator@6876
sub=Default] Logging uses fast path: false
2015-08-17T17:07:07.251-07:00 info -[7F2A24995820] [Originator@6876
sub=Default] The bora/lib logs WILL be handled by VmaCore
2015-08-17T17:07:07.251-07:00 info -[7F2A24995820] [Originator@6876
sub=Default] Initialized channel manager
2015-08-17T17:07:07.251-07:00 info -[7F2A24995820] [Originator@6876
sub=Default] Current working directory: /dbc/pa-
dbc1125/kdeshpan/kdeshpan-vsphere5x/vsphere-2015/bora/MyDrmDiagnose60
2015-08-17T17:07:07.252-07:00 info -[7F2A24995820] [Originator@6876
sub=ThreadPool] Thread pool on asio: Min Io, Max Io, Min Task, Max Task,
Max Concurrency: 2, 200, 2, 10, 2147483647
2015-08-17T17:07:07.252-07:00 info -[7F2A24995820] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:07.252-07:00 info -[7F2A24995820] [Originator@6876
sub=Default] Syscommand enabled: true
2015-08-17T17:07:07.252-07:00 info -[7F2A248D1700] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:07.252-07:00 info -[7F2A24953700] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:07.252-07:00 info -[7F2A24995820] [Originator@6876
sub=Default] ReaperManager Initialized
2015-08-17T17:07:07.252-07:00 info -[7F2A24912700] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:07.252-07:00 info -[7F2A24890700] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:07.252-07:00 info -[7F2A2484F700] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:07.252-07:00 info -[7F2A24995820] [Originator@6876
sub=Default] VMOMI Validation: ENABLED
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm] CpuSz CpuR CpuL CpuS CpuSP
CpuD CpuU CpuDEnt CpuDist Id Host
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm] 2800 0 100000000 1000 0.12
2800 0 805 71.25 32 15
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm] 2800 0 100000000 1000 0.12
2800 0 805 71.25 33 21
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm] 2800 0 100000000 1000 0.12
2800 0 805 71.25 34 21
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm] 2800 0 100000000 1000 0.12
2800 0 805 71.25 35 21
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm] 2800 0 100000000 1000 0.12
2800 0 805 71.25 36 15
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm] 2800 0 100000000 1000 0.12
2800 0 805 71.25 37 15
```

```

2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.12
2800    0    805    71.25    38    21
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.12
2800    0    805    71.25    39    15
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          MemSz    MemR    MemL    MemS    MemSP
MemOvdL MemD    MemU    MemDEnt MemDist Id    Host
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          283    0    256    2560    0.12    27
361    21    392    -1.03    32    15
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          283    0    256    2560    0.12    27
361    17    392    -1.03    33    21
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          284    0    256    2560    0.12    28
425    256    473    -4.42    34    21
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          284    0    256    2560    0.12    28
425    256    473    -4.42    35    21
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          284    0    256    2560    0.12    28
425    256    473    -4.42    36    15
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          284    0    256    2560    0.12    28
425    256    473    -4.42    37    15
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          284    0    256    2560    0.12    28
425    256    473    -4.42    38    21
2015-08-17T17:07:07.254-07:00 info -[7F2A24995820] [Originator@6876
sub=drmLogger] [Drm]          284    0    256    2560    0.12    28
425    256    473    -4.42    39    15

```

Now run the script with -a (auto option) it chooses a most distressed VM and suggests the diagnostic actions for that:

```

./runDrmDiagnose.sh 0002622000-proposeNonResActions.dump -a
2015-08-17T17:07:09.925-07:00 verbose -[7F7FAA61C820] [Originator@6876
sub=Default] Dumping early logs:
2015-08-17T17:07:09.925-07:00 warning -[7F7FAA61C820] [Originator@6876
sub=Default] Unrecognized log/level '' using 'info'
2015-08-17T17:07:09.925-07:00 info -[7F7FAA61C820] [Originator@6876
sub=Default] Logging uses fast path: false
2015-08-17T17:07:09.925-07:00 info -[7F7FAA61C820] [Originator@6876
sub=Default] The bora/lib logs WILL be handled by VmaCore
2015-08-17T17:07:09.925-07:00 info -[7F7FAA61C820] [Originator@6876
sub=Default] Initialized channel manager
2015-08-17T17:07:09.925-07:00 info -[7F7FAA61C820] [Originator@6876
sub=Default] Current working directory: /dbc/pa-
dbc1125/kdeshpan/kdeshpan-vsphere5x/vsphere-2015/bora/MyDrmDiagnose60
2015-08-17T17:07:09.925-07:00 info -[7F7FAA61C820] [Originator@6876
sub=ThreadPool] Thread pool on asio: Min Io, Max Io, Min Task, Max Task,
Max Concurrency: 2, 200, 2, 10, 2147483647
2015-08-17T17:07:09.926-07:00 info -[7F7FAA61C820] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:09.926-07:00 info -[7F7FAA599700] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:09.926-07:00 info -[7F7FAA5DA700] [Originator@6876
sub=ThreadPool] Thread enlisted

```



```

2015-08-17T17:07:09.926-07:00 info -[7F7FAA61C820] [Originator@6876
sub=Default] Syscommand enabled: true
2015-08-17T17:07:09.926-07:00 info -[7F7FAA558700] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:09.926-07:00 info -[7F7FAA61C820] [Originator@6876
sub=Default] ReaperManager Initialized
2015-08-17T17:07:09.926-07:00 info -[7F7FAA517700] [Originator@6876
sub=ThreadPool] Thread enlisted
2015-08-17T17:07:09.926-07:00 info -[7F7FAA61C820] [Originator@6876
sub=Default] VMOMI Validation: ENABLED
2015-08-17T17:07:09.927-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm] DiagnoseVmAuto
2015-08-17T17:07:09.927-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm] DiagnoseVmAuto: Adjusting VM: standalone-cedda7819-
esx.0-vm.0 resource : cpu, current: 805 target 2800
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm] DrmDiagnoseModule::DiagnoseVm: VM standalone-
cedda7819-esx.0-vm.0 dynamic entitlement
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
CpuSz  CpuR  CpuL  CpuS  CpuSP
CpuD  CpuU  CpuDEnt CpuDist Id  Host
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  32  15
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  33  21
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  34  21
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  35  21
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  36  15
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  37  15
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  38  21
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  39  15
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm] CPU: Target VM distress: 71.25, Max distress: 71.25,
Variance of distress: 0.00
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
CpuSz  CpuR  CpuL  CpuS  CpuSP
CpuD  CpuU  CpuDEnt CpuDist Id  Host
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  32  15
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  33  21
100000000  1000  0.12
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]
2800  0  805  71.25  34  21
100000000  1000  0.12

```

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2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.12
2800    0    805    71.25    35    21
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.12
2800    0    805    71.25    36    15
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.12
2800    0    805    71.25    37    15
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.12
2800    0    805    71.25    38    21
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.12
2800    0    805    71.25    39    15
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm] CPU: Target VM distress: 71.25, Max distress: 71.25,
Variance of distress: 0.00
2015-08-17T17:07:09.928-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm] Increase VM cpu shares by 4500
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          CpuSz    CpuR    CpuL          CpuS    CpuSP
CpuD    CpuU    CpuDEnt CpuDist Id          Host
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    5500    0.44
2800    0    2800    0.00    32    15
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.08
2800    0    520    81.43    33    21
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.08
2800    0    520    81.43    34    21
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.08
2800    0    520    81.43    35    21
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.08
2800    0    520    81.43    36    15
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.08
2800    0    520    81.43    37    15
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.08
2800    0    520    81.43    38    21
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          2800    0    100000000    1000    0.08
2800    0    520    81.43    39    15
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm] CPU: Target VM distress: 0.00, Max distress: 81.43,
Variance of distress: 0.00
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          MemSz    MemR    MemL    MemS    MemSP
MemOvdL MemD    MemU    MemDEnt MemDist Id          Host
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          283    0    256    2560    0.12    27
361    21    392    -1.03    32    15
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876
sub=drmLogger] [Drm]          283    0    256    2560    0.12    27
361    17    392    -1.03    33    21

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2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876  
sub=drmLogger] [Drm] 284 0 256 2560 0.12 28  
425 256 473 -4.42 34 21  
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876  
sub=drmLogger] [Drm] 284 0 256 2560 0.12 28  
425 256 473 -4.42 35 21  
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876  
sub=drmLogger] [Drm] 284 0 256 2560 0.12 28  
425 256 473 -4.42 36 15  
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876  
sub=drmLogger] [Drm] 284 0 256 2560 0.12 28  
425 256 473 -4.42 37 15  
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876  
sub=drmLogger] [Drm] 284 0 256 2560 0.12 28  
425 256 473 -4.42 38 21  
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876  
sub=drmLogger] [Drm] 284 0 256 2560 0.12 28  
425 256 473 -4.42 39 15  
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876  
sub=drmLogger] [Drm] MEM: Target VM distress: -1.03, Max distress: 0.00,  
Variance of distress: 19.67  
2015-08-17T17:07:09.929-07:00 info -[7F7FAA61C820] [Originator@6876  
sub=drmLogger] [Drm] NewAllocation cpu=2800 mem=283

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