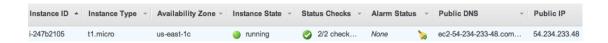
COMP41610 – Practical 2 – Neil Grogan - 13204052

Neil Grogan



Q. Date and time of this instance?

Q. How long has the system been running?

Q. Name and version of Operating Systems running on this instance?

Q. Who is logged in?

```
Neils-MacBook-Air:~ ngrogan$ ssh ec2-user@54.234.233.48
                    Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2013.09-release-notes/
9 package(s) needed for security, out of 30 available
Run "sudo yum update" to apply all updates.
Fec2-user@ip-10-179-53-130 ~7$ date
Tue Feb 25 19:12:06 UTC 2014
[ec2-user@ip-10-179-53-130 ~]$ uptime
19:12:37 up 2 min, 1 user, load average: 0.17, 0.18, 0.07
[ec2-user@ip-10-179-53-130 ~]$ uname -r
3.4.73-64.112.amzn1.x86_64
[ec2-user@ip-10-179-53-130 ~]$ whoami
ec2-user
```

Q. Who is running what? (Hint: using top or ps command)

```
Neils-MacBook-Air:~ ngrogan$ ssh ec2-user@54.234.233.48
      _| ( / Amazon Linux AMI
___|\__|
https://aws.amazon.com/amazon-linux-ami/2013.09-release-notes/
9 package(s) needed for security, out of 30 available
Run "sudo yum update" to apply all updates.
Fec2-user@ip-10-179-53-130 ~]$ date
Tue Feb 25 19:12:06 UTC 2014
[ec2-user@ip-10-179-53-130 ~]$ uptime
19:12:37 up 2 min, 1 user, load average: 0.17, 0.18, 0.07
[ec2-user@ip-10-179-53-130 ~]$ uname -r
3.4.73-64.112.amzn1.x86_64
[ec2-user@ip-10-179-53-130 ~]$ whoami
ec2-user
[ec2-user@ip-10-179-53-130 ~]$ ps
 PID TTY TIME CMD
1318 pts/0 00:00:00 bash
1341 pts/0 00:00:00 ps
```

top -	top - 19:14:13 up 4 min, 1 user, load average: 0.03, 0.13, 0.06												
Tasks: 55 total, 1 running, 54 sleeping, 0 stopped, 0 zombie													
Cpu(s): 0.0%us, 0.0%sy, 0.0%ni,100.0%id, 0.0%wa, 0.0%hi, 0.0%si, 0.0%st													
Mem: 608292k total, 373004k used, 235288k free, 9788k buffers													
Swap:		0k to	tal,		0k ι	used,			0k fr	ee, 3158	344k cached		
PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND		
1	root	20	0	19356	1540	1240	S	0.0	0.3	0:00.64	init		
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd		
3	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ksoftirqd/0		
4	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kworker/0:0		
5	root	20	0	0	0	0	S	0.0	0.0	0:00.01	kworker/u:0		
6	root	RT	0	0	0	0	S	0.0	0.0	0:00.00	migration/0		
7	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	cpuset		
8	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	khelper		
9	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kdevtmpfs		
10	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	netns		
11	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kworker/u:1		
15	root	20	0	0	0	0	S	0.0	0.0	0:00.00	xenwatch		
16	root	20	0	0	0	0	S	0.0	0.0	0:00.50	xenbus		
83	root	20	0	0	0	0	S	0.0	0.0	0:00.00	sync_supers		
85	root	20	0	0	0	0	S	0.0	0.0	0:00.00	bdi-default		
86	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	kintegrityd		
88	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	kblockd		
97	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kworker/0:1		

Q. Which devices are there?

```
[ec2-user@ip-10-179-53-130 ~]$ mount
/dev/xvda1 on / type ext4 (rw,noatime)
proc on /proc type proc (rw)
sysfs on /sys type sysfs (rw)
devpts on /dev/pts type devpts (rw,gid=5,mode=620)
tmpfs on /dev/shm type tmpfs (rw)
none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
```

Q. What has the user been doing? (command-line history)

```
ec2-user@ip-10-179-53-130 ~]$ history
   1
      date
      uptime
   3
      uname -r
   4
      whoami
   5
      ps
   6
      top
      fdisk -l
      ls /dev
      mount
      history
```

Create the Domain Car

All from Car:

- <SelectResponse xmlns="http://sdb.amazonaws.com/doc/2009-04-15/">
- <script/>
- <SelectResult>
- <Item>
- <Name>Audi</Name>
- <Attribute>
- <Name>Year</Name>
- <Value>78</Value>
- </Attribute>
- <Attribute>
- <Name>Year</Name>
- <Value>73</Value>
- </Attribute>
- <Attribute>
- <Name>Year</Name>
- <Value>75</Value>
- </Attribute>
- <Attribute>
- <Name>Year</Name>
- <Value>70</Value>
- </Attribute>
- <Attribute>
- <Name>mpg</Name>
- <Value>23</Value>
- </Attribute>
- <Attribute>
- <Name>mpg</Name>
- <Value>20</Value>
- </Attribute>
- <Attribute>

- <Name>mpg</Name>
- <Value>24</Value>
- </Attribute>
- <Attribute>
- <Name>Weight</Name>
- <Value>2400</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>4</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>5</Value>
- </Attribute>
- <Attribute>
- <Name>Power</Name>
- <Value>102</Value>
- </Attribute>
- </Item>
- <Item>
- <Name>Chevrolet</Name>
- <Attribute>
- <Name>Year</Name>
- <Value>78</Value>
- </Attribute>
- <Attribute>
- <Name>Year</Name>
- <Value>80</Value>
- </Attribute>
- <Attribute>
- <Name>Year</Name>
- <Value>77</Value>
- </Attribute>
- <Attribute>
- <Name>mpg</Name>
- <Value>17</Value>
- </Attribute>
- <Attribute>
- <Name>Weight</Name>
- <Value>2035</Value>
- </Attribute>
- <Attribute>
- <Name>Weight</Name>
- <Value>2051</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>6</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>4</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>8</Value>
- </Attribute>
- <Attribute>

- <Name>Power</Name>
- <Value>85</Value>
- </Attribute>
- </Item>
- <Item>
- <Name>Fiat</Name>
- <Attribute>
- <Name>Year</Name>
- <Value>81</Value>
- </Attribute>
- <Attribute>
- <Name>mpg</Name>
- <Value>37</Value>
- </Attribute>
- <Attribute>
- <Name>Weight</Name>
- <Value>1867</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>4</Value>
- </Attribute>
- <Attribute>
- <Name>Power</Name>
- <Value>30</Value>
- </Attribute>
- </Item>
- </SelectResult>
- <ResponseMetadata>
- <RequestId>e68293fc-b276-d52d-2f33-7b3a4fe9c94b</RequestId>
- <BoxUsage>0.0000411449</BoxUsage>
- </ResponseMetadata>
- </SelectResponse>

Query the Domain Car for all items with Year 78

Query is: select * from Car where Year = '78'

Response:

- <SelectResponse xmlns="http://sdb.amazonaws.com/doc/2009-04-15/">
- <script/>
- <SelectResult>
- <Item>
- <Name>Audi</Name>
- <Attribute>
- <Name>Year</Name>
- <Value>78</Value>
- </Attribute>
- <Attribute>
- <Name>Year</Name>
- <Value>73</Value>
- </Attribute>
- <Attribute>
- <Name>Year</Name>
- <Value>75</Value>
- </Attribute>
- <Attribute>

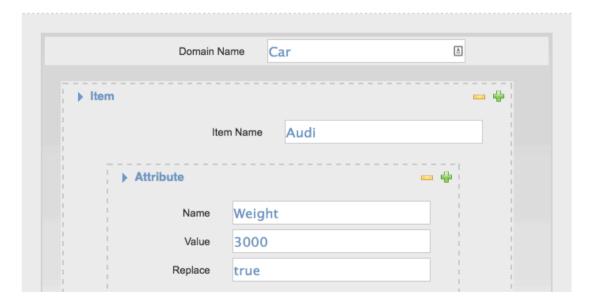
- <Name>Year</Name>
- <Value>70</Value>
- </Attribute>
- <Attribute>
- <Name>mpg</Name>
- <Value>23</Value>
- </Attribute>
- <Attribute>
- <Name>mpg</Name>
- <Value>20</Value>
- </Attribute>
- <Attribute>
- <Name>mpg</Name>
- <Value>24</Value>
- </Attribute>
- <Attribute>
- <Name>Weight</Name>
- <Value>2400</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>4</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>5</Value>
- </Attribute>
- <Attribute>
- <Name>Power</Name>
- <Value>102</Value>
- </Attribute>
- </Item>
- <Item>
- <Name>Chevrolet</Name>
- <Attribute>
- <Name>Year</Name>
- <Value>78</Value>
- </Attribute>
- <Attribute>
- <Name>Year</Name>
- <Value>80</Value>
- </Attribute>
- <Attribute>
- <Name>Year</Name>
- <Value>77</Value>
- </Attribute>
- <Attribute>
- <Name>mpg</Name>
- <Value>17</Value>
- </Attribute>
- <Attribute>
- <Name>Weight</Name>
- <Value>2035</Value>
- </Attribute>
- <Attribute>
- <Name>Weight</Name>
- <Value>2051</Value>
- </Attribute>
- <Attribute>

- <Name>Cylinders</Name>
- <Value>6</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>4</Value>
- </Attribute>
- <Attribute>
- <Name>Cylinders</Name>
- <Value>8</Value>
- </Attribute>
- <Attribute>
- <Name>Power</Name>
- <Value>85</Value>
- </Attribute>
- </Item>
- </SelectResult>
- <ResponseMetadata>
- <RequestId>7ae94e50-a76b-0b75-ed7d-23eb1ac1265f</RequestId>
- <BoxUsage>0.0000320033</BoxUsage>
- </ResponseMetadata>
- </SelectResponse>

Update the Weight attribute of Audi with 3000

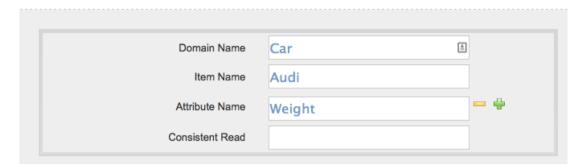
Update:

BatchPutAttributes



Read it back:

GetAttributes

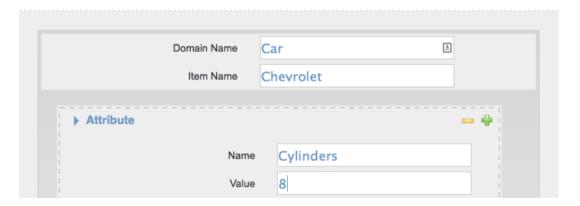


Response:

```
<GetAttributesResponse xmlns="http://sdb.amazonaws.com/doc/2009-04-
15/">
<script/>
<GetAttributesResult>
<Attribute>
<Name>Weight</Name>
<Value>3000</Value>
</Attribute>
</Attribute>
</GetAttributesResult>
<ResponseMetadata>
<RequestId>84d6654b-64aa-85cd-9479-c656592cb867</RequestId>
<BoxUsage>0.000093222</BoxUsage>
</ResponseMetadata>
</GetAttributesResponse>
```

Delete the value 8 from the Cylinders attribute of Chevrolet

DeleteAttributes



Read it back:

GetAttributes



Response:

```
<GetAttributesResponse xmlns="http://sdb.amazonaws.com/doc/2009-04-
15/">
<script/>
<GetAttributesResult>
<Attribute>
<Name>Cylinders</Name>
<Value>4</Value>
</Attribute>
<Attribute>
<Name>Cylinders</Name>
<Value>6</Value>
</Attribute>
</GetAttributesResult>
<ResponseMetadata>
<RequestId>f3bc16c4-ddfc-9a08-8ebc-f12d37ef77e4/RequestId>
<BoxUsage>0.0000093222
</ResponseMetadata>
</GetAttributesResponse>
```

Delete the Domain Car

DeleteDomain



Read it back:

ListDomains



Response:

- <ListDomainsResponse xmlns="http://sdb.amazonaws.com/doc/2009-04-15/">
- <script/>
- <ListDomainsResult/>
- <ResponseMetadata>
- <RequestId>6d9eab71-d5ab-1ac5-b3fd-d88fb355050d</RequestId>
- <BoxUsage>0.0000071759
- </ResponseMetadata>
- </ListDomainsResponse>