To: Tong Li/Raleigh/IBM, Doug Davis/Raleigh/IBM,
Cc:
Bcc:
Subject: cimi implementation
Default custom expiration date: 05/29/2013

Retrieve the cloud entry point

in XML format

```
GET http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/cloudentrypoint HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0

HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 587
Date: Tue, 29 May 2012 18:13:54 GMT

<?xml version="1.0" encoding="UTF-8"?>
<CloudEntryPoint xmlns="http://schemas.dmtf.org/cimi/1/">
  <id>
    4090a642f50f4bf49b6cb88575e9db97/CloudEntryPoint
  </id>
  <name>
    CloudEntryPoint
  </name>
  <description>
    Cloud Entry Point
  </description>
  <baseURI>
    http://192.168.56.101:8774/cimiv1/
  </baseURI>
  <machineConfigs href="4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollection"/>
  <machineImages href="4090a642f50f4bf49b6cb88575e9db97/MachineImageCollection"/>
  <machines href="4090a642f50f4bf49b6cb88575e9db97/MachineCollection"/>
</CloudEntryPoint>
```

in JSON format

```
GET http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/cloudentrypoint HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0

HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Content-Length: 541
Date: Tue, 29 May 2012 18:12:19 GMT

{
  "resourceURI": "http://schemas.dmtf.org/cimi/1/CloudEntryPoint",
  "machineImages": {
    "href": "4090a642f50f4bf49b6cb88575e9db97/MachineImageCollection"
  },
  "description": "Cloud Entry Point",
  "baseURI": "http://192.168.56.101:8774/cimiv1/",
  "machineConfigs": {
    "href": "4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollection"
  },
  "id": "4090a642f50f4bf49b6cb88575e9db97/CloudEntryPoint",
  "machines": {
    "href": "4090a642f50f4bf49b6cb88575e9db97/MachineCollection"
  },
  "name": "CloudEntryPoint"
}
```

Get list of machine images

in XML format

```
GET http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineImageCollection
HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 1230
Date: Tue, 29 May 2012 18:16:16 GMT
```

```
<?xml version="1.0" encoding="UTF-8"?>
<Collection resourceURI="http://schemas.dmtf.org/cimi/1/MachineImageCollection" xmlns="
http://schemas.dmtf.org/cimi/1/">
   <id>
     4090a642f50f4bf49b6cb88575e9db97/MachineImageCollection
   </id>
   <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineImageCollectionEntry">
      <id>
4090a642f50f4bf49b6cb88575e9db97/MachineImageCollectionEntry/0a497c7b-f34a-41a2-ac59-4785664a4a08
      </id>
      <machineImage
href="4090a642f50f4bf49b6cb88575e9db97/MachineImage/0a497c7b-f34a-41a2-ac59-4785664a4a08"/>
   </Entry>
   <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineImageCollectionEntry">
      <id>
4090a642f50f4bf49b6cb88575e9db97/MachineImageCollectionEntry/deaa7688-091c-4d11-b228-38c5764d41fe
      </id>
      <machineImage
href="4090a642f50f4bf49b6cb88575e9db97/MachineImage/deaa7688-091c-4d11-b228-38c5764d41fe"/>
   </Entry>
   <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineImageCollectionEntry">
      <id>
4090a642f50f4bf49b6cb88575e9db97/MachineImageCollectionEntry/67c89bee-5665-4695-bb2f-0cf61d781b0d
      </id>
      <machineImage
href="4090a642f50f4bf49b6cb88575e9db97/MachineImage/67c89bee-5665-4695-bb2f-0cf61d781b0d"/>
   </Entry>
</Collection>
```

in JSON format

```
GET http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineImageCollection
HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Content-Length: 1198
Date: Tue, 29 May 2012 18:18:21 GMT
```

```
{
  "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineImageCollection",
  "id": "4090a642f50f4bf49b6cb88575e9db97/MachineImageCollection",
  "entries": [
    {
      "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineImageCollectionEntry",
```

```
      "machineImage": {
        "href":
"4090a642f50f4bf49b6cb88575e9db97/MachineImage/0a497c7b-f34a-41a2-ac59-4785664a4a08"
      },
      "id":
"4090a642f50f4bf49b6cb88575e9db97/MachineImageCollectionEntry/0a497c7b-f34a-41a2-ac59-4785664a4a0
8"
    },
    {
      "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineImageCollectionEntry",
      "machineImage": {
        "href":
"4090a642f50f4bf49b6cb88575e9db97/MachineImage/deaa7688-091c-4d11-b228-38c5764d41fe"
      },
      "id":
"4090a642f50f4bf49b6cb88575e9db97/MachineImageCollectionEntry/deaa7688-091c-4d11-b228-38c5764d41f
e"
    },
    {
      "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineImageCollectionEntry",
      "machineImage": {
        "href":
"4090a642f50f4bf49b6cb88575e9db97/MachineImage/67c89bee-5665-4695-bb2f-0cf61d781b0d"
      },
      "id":
"4090a642f50f4bf49b6cb88575e9db97/MachineImageCollectionEntry/67c89bee-5665-4695-bb2f-0cf61d781b0
d"
    }
  ]
```

Get list of machine configurations

in XML format

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollection
HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0


HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 1710
Date: Tue, 29 May 2012 18:20:39 GMT
```

```
<?xml version="1.0" encoding="UTF-8"?>
<Collection resourceURI="http://schemas.dmtf.org/cimi/1/MachineConfigurationCollection" xmlns="
http://schemas.dmtf.org/cimi/1/">
  <id>
    4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollection
  </id>
  <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry">
    <id>
      4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/1
    </id>
    <machineConfiguration href="4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/1"/>
  </Entry>
  <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry">
    <id>
      4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/2
    </id>
    <machineConfiguration href="4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/2"/>
  </Entry>
  <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry">
    <id>
      4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/3
    </id>
    <machineConfiguration href="4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/3"/>
  </Entry>
  <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry">
    <id>
      4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/4
    </id>
```

```
          <machineConfiguration href="4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/4"/>
       </Entry>
       <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry">
          <id>
            4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/5
          </id>
          <machineConfiguration href="4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/5"/>
       </Entry>
</Collection>
```

in JSON format

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollection
HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Content-Length: 1714
Date: Tue, 29 May 2012 18:23:20 GMT
```

```
{
   "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineConfigurationCollection",
   "id": "4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollection",
   "entries": [
      {
         "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry",
         "id": "4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/1",
         "machineConfiguration": {
            "href": "4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/1"
         }
      },
      {
         "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry",
         "id": "4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/2",
         "machineConfiguration": {
            "href": "4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/2"
         }
      },
      {
         "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry",
         "id": "4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/3",
         "machineConfiguration": {
            "href": "4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/3"
         }
      },
      {
         "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry",
         "id": "4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/4",
         "machineConfiguration": {
            "href": "4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/4"
         }
      },
      {
         "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineConfigurationCollectionEntry",
         "id": "4090a642f50f4bf49b6cb88575e9db97/MachineConfigurationCollectionEntry/5",
         "machineConfiguration": {
            "href": "4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/5"
         }
      }
   ]
}
```

Get list of machines

in XML format

```
GET http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineCollection HTTP/1.1
```

```
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0


HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 853
Date: Tue, 29 May 2012 18:24:00 GMT

<?xml version="1.0" encoding="UTF-8"?>
<Collection resourceURI="http://schemas.dmtf.org/cimi/1/MachineCollection" xmlns="
http://schemas.dmtf.org/cimi/1/">
  <id>
    4090a642f50f4bf49b6cb88575e9db97/MachineCollection
  </id>
  <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineCollectionEntry">
    <id>

4090a642f50f4bf49b6cb88575e9db97/MachineCollectionEntry/57eb8dea-0991-4d85-9e11-a27f73c75210
    </id>
    <machine
href="4090a642f50f4bf49b6cb88575e9db97/Machine/57eb8dea-0991-4d85-9e11-a27f73c75210"/>
  </Entry>
  <Entry resourceURI="http://schemas.dmtf.org/cimi/1/MachineCollectionEntry">
    <id>

4090a642f50f4bf49b6cb88575e9db97/MachineCollectionEntry/b253ef13-fd08-426d-bf5b-9c10efa5d2d4
    </id>
    <machine
href="4090a642f50f4bf49b6cb88575e9db97/Machine/b253ef13-fd08-426d-bf5b-9c10efa5d2d4"/>
  </Entry>
</Collection>
```

in JSON format

```
GET http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineCollection HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0

HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Content-Length: 803
Date: Tue, 29 May 2012 18:24:45 GMT

{
  "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineCollection",
  "id": "4090a642f50f4bf49b6cb88575e9db97/MachineCollection",
  "entries": [
    {
      "machine": {
        "href": "4090a642f50f4bf49b6cb88575e9db97/Machine/57eb8dea-0991-4d85-9e11-a27f73c75210"
      },
      "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineCollectionEntry",
      "id":
"4090a642f50f4bf49b6cb88575e9db97/MachineCollectionEntry/57eb8dea-0991-4d85-9e11-a27f73c75210"
    },
    {
      "machine": {
        "href": "4090a642f50f4bf49b6cb88575e9db97/Machine/b253ef13-fd08-426d-bf5b-9c10efa5d2d4"
      },
      "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineCollectionEntry",
      "id":
"4090a642f50f4bf49b6cb88575e9db97/MachineCollectionEntry/b253ef13-fd08-426d-bf5b-9c10efa5d2d4"
    }
  ]
}
```

Get a machine

in XML format

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/Machine/b253ef13-fd08-426d-bf5
b-9c10efa5d2d4 HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 917
Date: Tue, 29 May 2012 18:46:26 GMT
```

```
<?xml version="1.0" encoding="UTF-8"?>
<Machine xmlns="http://schemas.dmtf.org/cimi/1/">
   <id>
     4090a642f50f4bf49b6cb88575e9db97/machine/b253ef13-fd08-426d-bf5b-9c10efa5d2d4
   </id>
   <name>
     cimi-test-server
   </name>
   <created>
     2012-05-29T17:57:09Z
   </created>
   <updated>
     2012-05-29T17:58:43Z
   </updated>
   <state>
     ACTIVE
   </state>
   <cpu>
     1
   </cpu>
   <memory quantity="512" units="MB"/>
   <disk>
     <capacity>
       0
     </capacity>
   </disk>
   <networkInterfaces
href="4090a642f50f4bf49b6cb88575e9db97/networkInterfacesCollection/b253ef13-fd08-426d-bf5b-9c10ef
a5d2d4"/>
   <operation href="4090a642f50f4bf49b6cb88575e9db97/machine/b253ef13-fd08-426d-bf5b-9c10efa5d2d4"
rel="http://schemas.dmtf.org/cimi/1/action/stop"/>
   <operation href="4090a642f50f4bf49b6cb88575e9db97/machine/b253ef13-fd08-426d-bf5b-9c10efa5d2d4"
rel="http://schemas.dmtf.org/cimi/1/action/restart"/>
</Machine>
```

in JSON format

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/Machine/b253ef13-fd08-426d-bf5
b-9c10efa5d2d4 HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Content-Length: 908
Date: Tue, 29 May 2012 18:46:13 GMT
```

```
{
  "operations": [
```

```json
        {
          "href": "4090a642f50f4bf49b6cb88575e9db97/machine/b253ef13-fd08-426d-bf5b-9c10efa5d2d4",
          "rel": "http://schemas.dmtf.org/cimi/1/action/stop"
        },
        {
          "href": "4090a642f50f4bf49b6cb88575e9db97/machine/b253ef13-fd08-426d-bf5b-9c10efa5d2d4",
          "rel": "http://schemas.dmtf.org/cimi/1/action/restart"
        }
      ],
      "resourceURI": "http://schemas.dmtf.org/cimi/1/Machine",
      "updated": "2012-05-29T17:58:43Z",
      "name": "cimi-test-server",
      "created": "2012-05-29T17:57:09Z",
      "disks": [
        {
          "capacity": 0
        }
      ],
      "cpu": 1,
      "state": "ACTIVE",
      "memory": {
        "units": "MB",
        "quantity": 512
      },
      "id": "4090a642f50f4bf49b6cb88575e9db97/machine/b253ef13-fd08-426d-bf5b-9c10efa5d2d4",
      "networkInterfaces": {
        "href":
"4090a642f50f4bf49b6cb88575e9db97/networkInterfacesCollection/b253ef13-fd08-426d-bf5b-9c10efa5d2d
4"
      }
    }
}
```

Get Machine Image

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineImage/0a497c7b-f34a-41a
2-ac59-4785664a4a08 HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 483
Date: Tue, 29 May 2012 18:48:47 GMT
```

```xml
<?xml version="1.0" encoding="UTF-8"?>
<MachineImage xmlns="http://schemas.dmtf.org/cimi/1/">
    <id>
      4090a642f50f4bf49b6cb88575e9db97/MachineImage/0a497c7b-f34a-41a2-ac59-4785664a4a08
    </id>
    <name>
      cirros-0.3.0-x86_64-uec
    </name>
    <created>
      2012-05-29T15:21:38Z
    </created>
    <updated>
      2012-05-29T15:21:40Z
    </updated>
    <imageLocation>
      4090a642f50f4bf49b6cb88575e9db97/MachineImage/0a497c7b-f34a-41a2-ac59-4785664a4a08
    </imageLocation>
</MachineImage>
```

in JSON format

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineImage/0a497c7b-f34a-41a
2-ac59-4785664a4a08 HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
```

```
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0

HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Content-Length: 381
Date: Tue, 29 May 2012 18:49:49 GMT
```

```
{
  "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineImage",
  "updated": "2012-05-29T15:21:40Z",
  "name": "cirros-0.3.0-x86_64-uec",
  "created": "2012-05-29T15:21:38Z",
  "imageLocation":
"4090a642f50f4bf49b6cb88575e9db97/MachineImage/0a497c7b-f34a-41a2-ac59-4785664a4a08",
  "id": "4090a642f50f4bf49b6cb88575e9db97/MachineImage/0a497c7b-f34a-41a2-ac59-4785664a4a08"
}
```

Get a machine configuration

in XML format

```
GET http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/1
HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0


HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 378
Date: Tue, 29 May 2012 18:50:58 GMT
```

```
<?xml version="1.0" encoding="UTF-8"?>
<MachineConfiguration xmlns="http://schemas.dmtf.org/cimi/1/">
  <id>
    4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/1
  </id>
  <name>
    m1.tiny
  </name>
  <cpu>
    1
  </cpu>
  <memory>
    512
  </memory>
  <disk>
    <capacity>
      0
    </capacity>
    <units>
      gb
    </units>
  </disk>
</MachineConfiguration>
```

in JSON format

```
GET http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/1
HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0

HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
```

Content-Length: 268
Date: Tue, 29 May 2012 18:51:36 GMT

{
  "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineConfiguration",
  "name": "m1.tiny",
  "disks": [
    {
      "units": "gb",
      "capacity": 0
    }
  ],
  "id": "4090a642f50f4bf49b6cb88575e9db97/MachineConfiguration/1",
  "memory": 512,
  "cpu": 1
}

Get list of machine network interfaces

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/networkInterfacesCollection/b2
53ef13-fd08-426d-bf5b-9c10efa5d2d4 HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 698
Date: Tue, 29 May 2012 18:52:50 GMT
```

```
<?xml version="1.0" encoding="UTF-8"?>
<Collection resourceURI="http://schemas.dmtf.org/cimi/1/MachineNetworkInterfacesCollection"
xmlns="http://schemas.dmtf.org/cimi/1/">
  <id>
4090a642f50f4bf49b6cb88575e9db97/networkInterfacesCollection/b253ef13-fd08-426d-bf5b-9c10efa5d2d4
  </id>
  <Entry resourceURI="http://schemas.dmtf.org/cimi/1//MachineNetworkInterfacesCollectionEntry">
    <id>
4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfacesCollectionEntry/b253ef13-fd08-426d-bf5b-
9c10efa5d2d4/private
    </id>
    <addresses
href="4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfaceAddressesCollection/b253ef13-fd08-4
26d-bf5b-9c10efa5d2d4/private"/>
  </Entry>
</Collection>
```

in JSON format

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/networkInterfacesCollection/b2
53ef13-fd08-426d-bf5b-9c10efa5d2d4 HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Content-Length: 630
Date: Tue, 29 May 2012 18:52:40 GMT
```

```
{
  "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineNetworkInterfacesCollection",
  "id":
```

```
"4090a642f50f4bf49b6cb88575e9db97/networkInterfacesCollection/b253ef13-fd08-426d-bf5b-9c10efa5d2d
4",
    "entries": [
      {
        "resourceURI": "http://schemas.dmtf.org/cimi/1//MachineNetworkInterfacesCollectionEntry",
        "id":
"4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfacesCollectionEntry/b253ef13-fd08-426d-bf5b
-9c10efa5d2d4/private",
        "addresses": {
          "href":
"4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfaceAddressesCollection/b253ef13-fd08-426d-b
f5b-9c10efa5d2d4/private"
        }
      }
    ]
}
```

Get list of network interface addresses

in XML format

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfaceAddress
esCollection/b253ef13-fd08-426d-bf5b-9c10efa5d2d4/private HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 795
Date: Tue, 29 May 2012 18:55:58 GMT
```

```
<?xml version="1.0" encoding="UTF-8"?>
<Collection resourceURI="
http://schemas.dmtf.org/cimi/1/MachineNetworkInterfacesAddressesCollection" xmlns="
http://schemas.dmtf.org/cimi/1/">
  <id>
4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfacesAddressesCollection/b253ef13-fd08-426d-b
f5b-9c10efa5d2d4/private
  </id>
  <Entry resourceURI="
http://schemas.dmtf.org/cimi/1//MachineNetworkInterfacesAddressesCollectionEntry">
    <id>
4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfacesAddressesCollectionEntry/b253ef13-fd08-4
26d-bf5b-9c10efa5d2d4/private/10.0.0.2
    </id>
    <address>
      <href>
4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfaceAddress/b253ef13-fd08-426d-bf5b-9c10efa5d
2d4/private/10.0.0.2
      </href>
    </address>
  </Entry>
</Collection>
```

in JSON format

```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfaceAddress
esCollection/b253ef13-fd08-426d-bf5b-9c10efa5d2d4/private HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Content-Length: 685
Date: Tue, 29 May 2012 18:56:38 GMT
```

```
{
  "resourceURI": "http://schemas.dmtf.org/cimi/1/MachineNetworkInterfacesAddressesCollection",
  "id":
"4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfacesAddressesCollection/b253ef13-fd08-426d-
bf5b-9c10efa5d2d4/private",
  "entries": [
    {
      "resourceURI": "
http://schemas.dmtf.org/cimi/1//MachineNetworkInterfacesAddressesCollectionEntry',
      "id":
"4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfacesAddressesCollectionEntry/b253ef13-fd08-
426d-bf5b-9c10efa5d2d4/private/10.0.0.2",
      "address": {
        "href":
"4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfaceAddress/b253ef13-fd08-426d-bf5b-9c10efa5
d2d4/private/10.0.0.2"
      }
    }
  ]
}
```

Get machine network interface address

in XML format
```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfaceAddress
/b253ef13-fd08-426d-bf5b-9c10efa5d2d4/private/10.0.0.2 HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/xml
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 266
Date: Tue, 29 May 2012 18:57:40 GMT
```

```
<?xml version="1.0" encoding="UTF-8"?>
<Address xmlns="http://schemas.dmtf.org/cimi/1/">
  <id>
4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfacesAddress/b253ef13-fd08-426d-bf5b-9c10efa5
d2d4/private/10.0.0.2
  </id>
  <ip>
    10.0.0.2
  </ip>
</Address>
```

in JSON format
```
GET
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfaceAddress
/b253ef13-fd08-426d-bf5b-9c10efa5d2d4/private/10.0.0.2 HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Accept: application/json
Content-Length: 0
```

```
HTTP/1.1 200 OK
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Content-Length: 153
Date: Tue, 29 May 2012 18:58:37 GMT
```

```
{
  "ip": "10.0.0.2",
  "id":
"4090a642f50f4bf49b6cb88575e9db97/MachineNetworkInterfacesAddress/b253ef13-fd08-426d-bf5b-9c10efa
5d2d4/private/10.0.0.2"
}
```

Create a machine

in XML format

```
POST http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/machineCollection
HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Content-Type: application/xml
Accept: application/xml
Content-Length: 516

<MachineCreate xmlns="http://schemas.dmtf.org/cimi/1">
  <name>myMachine test</name>
  <description>My machine using xml to create</description>
  <machineTemplate>
      <machineConfig href="/cimiv1/4090a642f50f4bf49b6cb88575e9db97/machineConfig/1" />
      <machineImage
href="/cimiv1/4090a642f50f4bf49b6cb88575e9db97/machineImage/0a497c7b-f34a-41a2-ac59-4785664a4a08"
/>
  </machineTemplate>
</MachineCreate>
```

```
HTTP/1.1 202 Accepted
Cimi-Specification-Version: 1.0.0
Content-Type: application/xml
Content-Length: 423
Date: Tue, 29 May 2012 19:05:53 GMT

<?xml version="1.0" encoding="UTF-8"?>
<Machine xmlns="http://schemas.dmtf.org/cimi/1/">
  <id>
    4090a642f50f4bf49b6cb88575e9db97/machine/cdb2c58f-5669-4098-810b-b31da741de90
  </id>
  <name>
    myMachineJSON
  </name>
  <description>
    My very first JSON machine
  </description>
  <credentials>
    <userName>
      root
    </userName>
    <password>
      ei3u3aHqrYbx
    </password>
  </credentials>
</Machine>
```

in JSON format

```
POST http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/machineCollection
HTTP/1.1
User-Agent: Fiddler
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Host: 192.168.56.101:8774
Content-Type: application/json
Accept: application/json
Content-Length: 441

{ "entityURI": "http://schemas.dmtf.org/cimi/1/MachineCreate",
    "name": "myMachineJSON",
        "description": "My very first JSON machine",
         "machineTemplate": {
```

```
                    "machineConfig": { "href":
"/cimiv1/4090a642f50f4bf49b6cb88575e9db97/machineConfig/1" },
                    "machineImage": { "href":
"/cimiv1/4090a642f50f4bf49b6cb88575e9db97/machineImage/0a497c7b-f34a-41a2-ac59-4785664a4a08" }
            }
    }
```

```
HTTP/1.1 202 Accepted
Cimi-Specification-Version: 1.0.0
Content-Type: application/json
Accept: application/json
Content-Length: 253
Date: Tue, 29 May 2012 19:02:31 GMT
```

```
{
    "id": "4090a642f50f4bf49b6cb88575e9db97/machine/10a2e1d6-a67b-48d1-bfff-c19cb2bdbe84",
    "credentials": {
      "userName": "root",
      "password": "hj88EcYnBwZG"
    },
    "name": "myMachine test",
    "description": "My machine using xml to create"
}
```

Restart a machine

```
POST
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/Machine/af89b61e-c954-4105-a80
a-54fc357b4ad3 HTTP/1.1
User-Agent: Fiddler
Host: 192.168.56.101:8774
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Content-Type: application/xml
Accept: application/xml
Content-Length: 201
```

```
<Action xmlns="http://schemas.dmtf.org/cimi/1">
    <action>http://schemas.dmtf.org/cimi/1/action/restart</action>
    <force>True</force>
</Action>
```

```
HTTP/1.1 202 Accepted
Content-Type: text/html; charset=UTF-8
Content-Length: 0
Date: Tue, 29 May 2012 16:55:54 GMT
```

```
POST
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/Machine/af89b61e-c954-4105-a80
a-54fc357b4ad3 HTTP/1.1
User-Agent: Fiddler
Host: 192.168.56.101:8774
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Content-Type: application/json
Accept: application/json
Content-Length: 189
```

```
{
    "resourceURI": "http://schemas.dmtf.org/cimi/1/Action",
    "action": "http://schemas.dmtf.org/cimi/1/action/restart",
    "force": true
}
```

```
HTTP/1.1 202 Accepted
Content-Type: text/html; charset=UTF-8
Content-Length: 0
Date: Tue, 29 May 2012 15:42:11 GMT
```

Stop a machine

In XML format

```
POST
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/Machine/af89b61e-c954-4105-a80
a-54fc357b4ad3 HTTP/1.1
User-Agent: Fiddler
Host: 192.168.56.101:8774
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Content-Type: application/xml
Accept: application/xml
Content-Length: 150

<Action xmlns="http://schemas.dmtf.org/cimi/1">
    <action>http://schemas.dmtf.org/cimi/1/action/stop</action>
    <force>true</force>
</Action>


HTTP/1.1 204 No Content
Content-Length: 0
X-Compute-Request-Id: req-8480c2b3-3121-4cce-a11f-0a6b1097ee02
Content-Type: application/json
Date: Tue, 29 May 2012 17:54:43 GMT
```

In JSON format

```
POST
http://192.168.56.101:8774/cimiv1/4090a642f50f4bf49b6cb88575e9db97/Machine/d120228c-b405-4cc1-9f3
d-6f984e49774e HTTP/1.1
User-Agent: Fiddler
Host: 192.168.56.101:8774
X-Auth-Token: fb865b3be1cc43ee8a84588fcbf83dc2
Content-Type: application/json
Accept: application/json
Content-Length: 138

{ "resourceURI": "http://schemas.dmtf.org/cimi/1/Action",
  "action": "http://schemas.dmtf.org/cimi/1/action/stop",
  "force": true
}


HTTP/1.1 204 No Content
Content-Length: 0
X-Compute-Request-Id: req-61b41b26-6429-4a88-b23a-54b638816291
Content-Type: application/json
Date: Tue, 29 May 2012 15:40:24 GMT
```

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