



JSON for script to create a cluster

ONTAP Select

NetApp

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JSON for script to create a cluster

When creating or deleting an ONTAP Select cluster using the Python code samples, you must provide a JSON file as input to the script. You can copy and modify the appropriate JSON sample based on your deployment plans.

Single-node cluster on ESXi

```
1 {
2   "hosts": [
3     {
4       "password": "mypassword1",
5       "name": "host-1234",
6       "type": "ESX",
7       "username": "admin"
8     }
9   ],
10
11   "cluster": {
12     "dns_info": {
13       "domains": ["lab1.company-demo.com", "lab2.company-demo.com",
14         "lab3.company-demo.com", "lab4.company-demo.com"
15     ],
16
17     "dns_ips": ["10.206.80.135", "10.206.80.136"]
18   },
19   "ontap_image_version": "9.7",
20   "gateway": "10.206.80.1",
21   "ip": "10.206.80.115",
22   "name": "mycluster",
23   "ntp_servers": ["10.206.80.183", "10.206.80.142"],
24   "ontap_admin_password": "mypassword2",
25   "netmask": "255.255.254.0"
26 },
27
28   "nodes": [
29     {
30       "serial_number": "3200000nn",
31       "ip": "10.206.80.114",
32       "name": "node-1",
33       "networks": [
34         {
35           "name": "ontap-external",
36           "purpose": "mgmt",
37           "vlan": 1234
```

```

38     },
39     {
40         "name": "ontap-external",
41         "purpose": "data",
42         "vlan": null
43     },
44     {
45         "name": "ontap-internal",
46         "purpose": "internal",
47         "vlan": null
48     }
49 ],
50 "host_name": "host-1234",
51 "is_storage_efficiency_enabled": false,
52 "instance_type": "small",
53 "storage": {
54     "disk": [],
55     "pools": [
56         {
57             "name": "storage-pool-1",
58             "capacity": 4802666790125
59         }
60     ]
61 }
62 }
63 ]
64 }

```

Single-node cluster on ESXi using vCenter

```

{
  "hosts": [
    {
      "name": "host-1234",
      "type": "ESX",
      "mgmt_server": "vcenter-1234"
    }
  ],
  "cluster": {
    "dns_info": {
      "domains": [
        "lab1.company-demo.com",
        "lab2.company-demo.com",
        "lab3.company-demo.com",
        "lab4.company-demo.com"
      ],
      "dns_ips": [
        "10.206.80.135",
        "10.206.80.136"
      ]
    }
  }
}

```

```
"ontap_image_version": "9.7",
"gateway": "10.206.80.1",
"ip": "10.206.80.115",
"name": "mycluster",
"ntp_servers": ["10.206.80.183", "10.206.80.142"],
"ontap_admin_password": "mypassword2",
"netmask": "255.255.254.0"
},

"vcenter": {
  "password": "mypassword2",
  "hostname": "vcenter-1234",
  "username": "selectadmin"
},

"nodes": [
  {
    "serial_number": "3200000nn",
    "ip": "10.206.80.114",
    "name": "node-1",
    "networks": [
      {
        "name": "ONTAP-Management",
        "purpose": "mgmt",
        "vlan": null
      },
      {
        "name": "ONTAP-External",
        "purpose": "data",
        "vlan": null
      },
      {
        "name": "ONTAP-Internal",
        "purpose": "internal",
        "vlan": null
      }
    ]
  },
  {
    "host_name": "host-1234",
    "is_storage_efficiency_enabled": false,
    "instance_type": "small",
    "storage": {
      "disk": [],
      "pools": [
        {
          "name": "storage-pool-1",
          "capacity": 5685190380748
        }
      ]
    }
  }
]
```

```
}
}
}
]
```

Single-node cluster on KVM

```
{
  "hosts": [
    {
      "password": "mypassword1",
      "name": "host-1234",
      "type": "KVM",
      "username": "root"
    }
  ],
  "cluster": {
    "dns_info": {
      "domains": ["lab1.company-demo.com", "lab2.company-demo.com",
        "lab3.company-demo.com", "lab4.company-demo.com"]
    },
    "dns_ips": ["10.206.80.135", "10.206.80.136"]
  },
  "ontap_image_version": "9.7",
  "gateway": "10.206.80.1",
  "ip": "10.206.80.115",
  "name": "CBF4ED97",
  "ntp_servers": ["10.206.80.183", "10.206.80.142"],
  "ontap_admin_password": "mypassword2",
  "netmask": "255.255.254.0"
},
"nodes": [
  {
    "serial_number": "3200000nn",
    "ip": "10.206.80.115",
    "name": "node-1",
    "networks": [
      {
        "name": "ontap-external",
        "purpose": "mgmt",
        "vlan": 1234
      }
    ]
  }
],
```

```
{
  "name": "ontap-external",
  "purpose": "data",
  "vlan": null
},
{
  "name": "ontap-internal",
  "purpose": "internal",
  "vlan": null
}
],

"host_name": "host-1234",
"is_storage_efficiency_enabled": false,
"instance_type": "small",
"storage": {
  "disk": [],
  "pools": [
    {
      "name": "storage-pool-1",
      "capacity": 4802666790125
    }
  ]
}
}
]
}
```

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