



# Linux Cloud Configuration Using Avi CLI

Avi Technical Reference (v17.1)

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This article provides an example of using the Avi CLI to create a Linux server cloud.

## Step 1. Create your cloud

```
[admin:10-50-0-2]: > configure cloud gcp
```

## Step 2. Attach an IPAM profile

```
[admin:10-50-0-2]: cloud> ipam_provider_ref gcp
```

## Step 3. Create Linux server configuration

```
[admin:10-50-0-2]: cloud> linuxserver_configuration
[admin:10-50-0-2]: cloud:linuxserver_configuration> hosts host_ip 10.50.0.5
[admin:10-50-0-2]: cloud:linuxserver_configuration:hosts> host_attr attr_key CPU attr_val 2
New object being created
[admin:10-50-0-2]: cloud:linuxserver_configuration:hosts:host_attr> save
[admin:10-50-0-2]: cloud:linuxserver_configuration:hosts> host_attr attr_key MEMORY attr_val 4
New object being created
[admin:10-50-0-2]: cloud:linuxserver_configuration:hosts:host_attr> save
[admin:10-50-0-2]: cloud:linuxserver_configuration:hosts> host_attr attr_key DPDK attr_val No
New object being created
[admin:10-50-0-2]: cloud:linuxserver_configuration:hosts:host_attr> save
[admin:10-50-0-2]: cloud:linuxserver_configuration:hosts> host_attr attr_key SE_INBAND_MGMT attr_val True
New object being created
[admin:10-50-0-2]: cloud:linuxserver_configuration:hosts:host_attr> save
[admin:10-50-0-2]: cloud:linuxserver_configuration:hosts> save
```

Repeat the above host steps to incorporate additional Service Engines.

## Step 4. Save your config

```
[admin:10-50-0-2]: cloud:linuxserver_configuration> save
[admin:10-50-0-2]: cloud> save
```

### Step 3.1 Alternate Linux Server configuration

After entering the Linux server configuration, type new to enter edit mode

```
[admin:10-50-0-2]: cloud:linuxserver_configuration> new
```

Copy in the host data and change the SE resource variables and `ssh_user_ref` accordingly.

```
hosts:
- host_attr:
- attr_key: CPU
attr_val: '2'
- attr_key: MEMORY
attr_val: '4'
- attr_key: DPDK
attr_val: 'No'
- attr_key: SE_INBAND_MGMT
attr_val: 'True'
host_ip:
addr: 10.50.0.4
type: V4
- host_attr:
- attr_key: CPU
attr_val: '2'
- attr_key: MEMORY
attr_val: '4'
- attr_key: DPDK
attr_val: 'No'
- attr_key: SE_INBAND_MGMT
attr_val: 'True'
host_ip:
addr: 10.50.0.6
type: V4
se_inband_mgmt: false
se_log_disk_size_GB: 5
se_sys_disk_size_GB: 10
ssh_user_ref: root
```