

How to run vCenter 7 with less memory

As you know for lab testing it is not possible to give full memory to vCenter. During the installation it will assign 12GB memory. Shutting down the VM and decreasing the memory will not do any good because the configuration is built-in within the appliance. The only way out is to change the Json file and reduce the memory footprint.

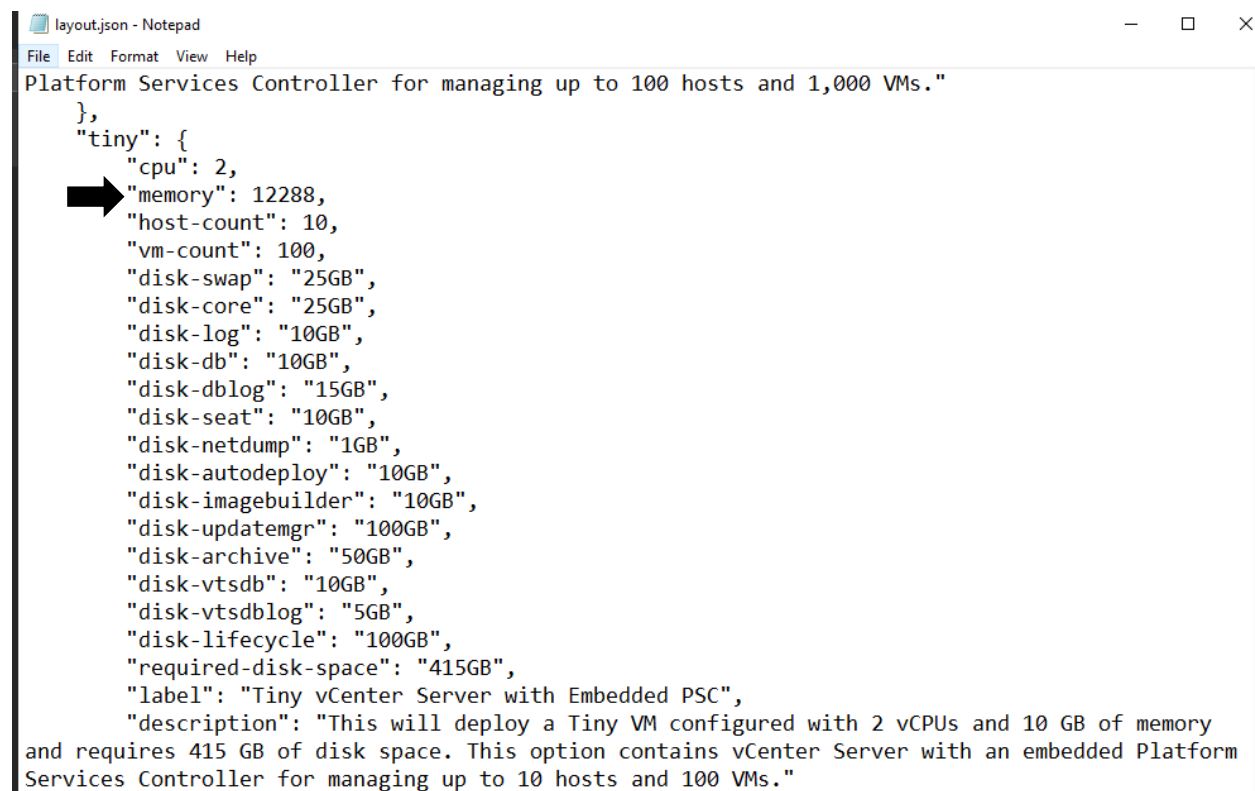
This is what you have to do. Mount vCenter Server Appliance ISO - Browse to this path

```
DC > BD-ROM Drive (I:) VMware VCSA > vcsa-ui-installer > win32 > resources > app > resources
```

Open layout.json file in notepad

```
layout.json 04-May-2020 4:51 ... JSON File 15 KB
```

This is what you will see in notepad



```
layout.json - Notepad
File Edit Format View Help
Platform Services Controller for managing up to 100 hosts and 1,000 VMs."
  },
  "tiny": {
    "cpu": 2,
    "memory": 12288,
    "host-count": 10,
    "vm-count": 100,
    "disk-swap": "25GB",
    "disk-core": "25GB",
    "disk-log": "10GB",
    "disk-db": "10GB",
    "disk-dblog": "15GB",
    "disk-seat": "10GB",
    "disk-netdump": "1GB",
    "disk-autodeploy": "10GB",
    "disk-imagebuilder": "10GB",
    "disk-updatemgr": "100GB",
    "disk-archive": "50GB",
    "disk-vtsdb": "10GB",
    "disk-vtsdblog": "5GB",
    "disk-lifecycle": "100GB",
    "required-disk-space": "415GB",
    "label": "Tiny vCenter Server with Embedded PSC",
    "description": "This will deploy a Tiny VM configured with 2 vCPUs and 10 GB of memory
and requires 415 GB of disk space. This option contains vCenter Server with an embedded Platform
Services Controller for managing up to 10 hosts and 100 VMs."
```

Edit memory to 6148 – Save the file – Unmount the ISO. Next time when you install vCenter Server Appliance it will consume 6GB memory. Please note below

Note: This change won't be reflected on the Virtual Hardware when the VCSA (VM) is created, it can't be changed and you still see 10GB. But from the Resource Monitor, you'll see that 6GB is used as a limit.

Thanks

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