#### **Dmidecode COMMAND**

Dmidecode also referred as **Desktop Management Interface** table decoder, record data from **DMI** table and produce it in human readable format. dmidecode command is used when the user wants to retrieve system's hardware related information such as Processor, RAM(DIMMs), BIOS detail, Memory, Serial numbers etc. of Linux system in a readable format. dmidecode command not only displays the system's current hardware configuration but also the maximum supported CPU and memory.

#### Syntax:

dmidecode [OPTIONS]

## Running a simple dmidecode command to get hardware information

```
[root@vivek ~] # dmidecode | more
# dmidecode 3.2
Getting SMBIOS data from sysfs.
SMBIOS 2.7 present.
620 structures occupying 29956 bytes.
Table at 0x000E0010.
```

#### To get information about Processor.

[root@vivek ~] # dmidecode -t processor

## To get BIOS information.

## **Dmidecode COMMAND**

## Display hardware information about the chassis

```
[root@vivek ~] # dmidecode -t chassis
# dmidecode 3.2
Getting SMBIOS data from sysfs.
SMBIOS 2.7 present.
Handle 0x0003, DMI type 3, 21 bytes
Chassis Information
        Manufacturer: No Enclosure
        Type: Other
        Lock: Not Present
        Version: N/A
        Serial Number: None
        Asset Tag: No Asset Tag
        Boot-up State: Safe
        Power Supply State: Safe
        Thermal State: Safe
        Security Status: None OEM Information: 0x00001234
        Height: Unspecified
        Number Of Power Cords: Unspecified
        Contained Elements: 0
```

## Display hardware information about the baseboard

```
[root@vivek ~] # dmidecode -t baseboard
 dmidecode 3.2
Setting SMBIOS data from sysfs.
SMBIOS 2.7 present.
Handle 0x0002, DMI type 2, 15 bytes
Base Board Information
        Manufacturer: Intel Corporation Product Name: 440BX Desktop Reference Platform
        Version: None
        Serial Number: None
        Asset Tag: Not Specified
        Features: None
        Location In Chassis: Not Specified
        Chassis Handle: 0x0000
        Type: Unknown
        Contained Object Handles: 0
Handle 0x019F, DMI type 10, 8 bytes
On Board Device 1 Information
        Type: Video
        Status: Disabled
        Description: VMware SVGA II
On Board Device 2 Information
        Type: Sound
        Status: Disabled
```

# Display hardware information about the system

## **Dmidecode COMMAND**

# Display information of about installed physical memory and DIMMs

[root@vivek ~]# dmidecode -t 17

```
Handle 0x01C2, DMI type 17, 34 bytes
Memory Device
         Array Handle: 0x01A2
         Error Information Handle: No Error Total Width: Unknown
         Data Width: Unknown
         Size: No Module Installed
         Form Factor: DIMM
         Set: None
         Locator: RAM slot #31
Bank Locator: RAM slot #31
         Type: DRAM
         Type Detail: Unknown
         Speed: Unknown
         Manufacturer: Not Specified
         Serial Number: Not Specified
Asset Tag: Not Specified
         Part Number: Not Specified
         Configured Memory Speed: Unknown
```

# Display information of about 64 -bit memory error

## **Dump dmidecode command output in hexadecimal**

#### Display demi decode version

```
[root@vivek ~] # dmidecode -V
```