

What is Epoch time ?

Unix time, or POSIX time is also know as Epoch time. Linux/Unix operating systems maintain system time based on some starting time called the Epoch. In **Linux/Unix and POSIX systems** count time as seconds since midnight Coordinated Universal Time (UTC) of **January 1, 1970**, not counting leap seconds. It is widely used not only on Unix-like operating systems but also in many other computing systems. **Epoch time is in seconds!!**

1] How to get Epoch time ?

* Linux / Ubuntu

```
root@arun:~# date
Wed Jan 28 23:52:12 IST 2009
```

```
root@arun:~# date +%s
1233166934
root@arun:~#
```

* FreeBSD

```
root@arun:~# date
Wed Jan 28 11:07:10 IST 2009
```

```
root@arun:~# date +%s
1233169634
root@arun:~#
```

2] How to convert Epoch time into Date format ?

* Linux / Ubuntu

```
arunsb@arun:~$ date -d '1970-01-01 1233167307 sec'
Wed Jan 28 18:28:27 IST 2009
arunsb@arun:~$
```

* FreeBSD

```
arunsb@arun:~# date -r 1233169468
Wed Jan 28 11:04:28 IST 2009
arunsb@arun:~#
```

3] How to convert Date time into Epoch ?

* Linux / Ubuntu

```
arunsb@arun:~$ date ; date +%s
```

Thu Jan 29 00:26:48 IST 2009

1233169008

arunsb@arun:~\$ **date -d ?Thu Jan 29 00:26:48 IST 2009? +%s**

1233169008

arunsb@arun:~\$ **date -d ?Thu Jan 29 00:26:48 IST 2009? +%s**

1233169008

arunsb@arun:~\$

* FreeBSD

root@arun:~# **date -j -f ?%Y-%m-%d %H:%M:%S %Z' '2009-01-29 00:50:04 PST' +%s**

1233219004

root@arun:~# **date -j -f ?%Y-%m-%d %H:%M:%S %Z' '2009-01-29 00:50:04 GMT' +%s**

1233190204

root@arun:~#

Thanks,

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