



CentOS 7

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OxOOL V4

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CentOS 7

OxOOL V4

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CentOS 7



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CentOS 7 ■■■■■■■■

CentOS Linux release 7.9.2009 (Core)

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```
# cat /etc/redhat-release
CentOS Linux release 7.9.2009 (Core)
```

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```
# uname -a
Linux oxoolcommunity.ossii.com.tw 3.10.0-1160.66.1.el7.x86_64 #1 SMP Wed May 18 16:02:34 UTC
2022 x86_64 x86_64 x86_64 GNU/Linux
```

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3.10.0-1160.66.1.el7.x86_64■■■■■

yum update

■■■■

```
# yum update -y
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
* base: mirror01.idc.hinet.net
* extras: mirror01.idc.hinet.net
* updates: mirror01.idc.hinet.net
No packages marked for update
```



Kernel



```
# rpm --import https://www.elrepo.org/RPM-GPG-KEY-elrepo.org
# rpm -Uvh http://www.elrepo.org/elrepo-release-7.0-2.el7.elrepo.noarch.rpm
□□□□ http://www.elrepo.org/elrepo-release-7.0-2.el7.elrepo.noarch.rpm
□□□□ http://elrepo.org/elrepo-release-7.0-4.el7.elrepo.noarch.rpm
□□□□... ##### [100%]
Updating / installing...
  1:elrepo-release-7.0-4.el7.elrepo ##### [100%]
```



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```
# yum --enablerepo=elrepo-kernel install kernel-ml -y
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: mirror01.idc.hinet.net
 * elrepo: ftp.yz.yamagata-u.ac.jp
 * elrepo-kernel: ftp.yz.yamagata-u.ac.jp
 * extras: mirror01.idc.hinet.net
 * updates: mirror01.idc.hinet.net
elrepo | 3.0 kB 00:00
elrepo-kernel | 3.0 kB 00:00
(1/2): elrepo/primary_db | 580 kB 00:00
(2/2): elrepo-kernel/primary_db | 2.1 MB 00:00
Resolving Dependencies
--> Running transaction check
---> Package kernel-ml.x86_64 0:5.18.6-1.el7.elrepo will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
```


Resolving Dependencies

--> Running transaction check

---> Package kernel-ml-headers.x86_64 0:5.18.6-1.el7.elrepo will be installed

---> Package kernel-ml-tools.x86_64 0:5.18.6-1.el7.elrepo will be installed

---> Package kernel-ml-tools-libs.x86_64 0:5.18.6-1.el7.elrepo will be installed

--> Finished Dependency Resolution

Dependencies Resolved

```
=====
```

Package	Arch	Version	Repository	Size
Installing:				
kernel-ml-headers	x86_64	5.18.6-1.el7.elrepo	elrepo-kernel	1.6 M
kernel-ml-tools	x86_64	5.18.6-1.el7.elrepo	elrepo-kernel	267 k
kernel-ml-tools-libs	x86_64	5.18.6-1.el7.elrepo	elrepo-kernel	152 k

Transaction Summary

```
=====
```

Install 3 Packages

Total download size: 2.0 M

Installed size: 6.2 M

Downloading packages:

```
(1/3): kernel-ml-tools-5.18.6-1.el7.elrepo.x86_64.rpm | 267 kB 00:00  
(2/3): kernel-ml-tools-libs-5.18.6-1.el7.elrepo.x86_64.rpm | 152 kB 00:00  
(3/3): kernel-ml-headers-5.18.6-1.el7.elrepo.x86_64.rpm | 1.6 MB 00:00
```

```
-----  
Total 2.6 MB/s | 2.0 MB 00:00
```

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

```
Installing : kernel-ml-tools-libs-5.18.6-1.el7.elrepo.x86_64 1/3  
Installing : kernel-ml-tools-5.18.6-1.el7.elrepo.x86_64 2/3  
Installing : kernel-ml-headers-5.18.6-1.el7.elrepo.x86_64 3/3  
Verifying : kernel-ml-headers-5.18.6-1.el7.elrepo.x86_64 1/3  
Verifying : kernel-ml-tools-5.18.6-1.el7.elrepo.x86_64 2/3  
Verifying : kernel-ml-tools-libs-5.18.6-1.el7.elrepo.x86_64 3/3
```

Installed:

```
kernel-ml-headers.x86_64 0:5.18.6-1.el7.elrepo
kernel-ml-tools.x86_64 0:5.18.6-1.el7.elrepo
kernel-ml-tools-libs.x86_64 0:5.18.6-1.el7.elrepo
```

Complete!



```
# yum update -y
```

```
Loaded plugins: fastestmirror
```

```
Loading mirror speeds from cached hostfile
```

```
* base: mirror01.idc.hinet.net
```

```
* elrepo: hkg.mirror.rackspace.com
```

```
* extras: mirror01.idc.hinet.net
```

```
* updates: mirror01.idc.hinet.net
```

```
Resolving Dependencies
```

```
--> Running transaction check
```

```
---> Package elrepo-release.noarch 0:7.0-4.el7.elrepo will be updated
```

```
---> Package elrepo-release.noarch 0:7.0-5.el7.elrepo will be an update
```

```
--> Finished Dependency Resolution
```

```
Dependencies Resolved
```

```
=====
```

Package	Arch	Version	Repository	Size
---------	------	---------	------------	------

```
=====
```

Updating:

elrepo-release	noarch	7.0-5.el7.elrepo	elrepo	8.6 k
----------------	--------	------------------	--------	-------

```
Transaction Summary
```

```
=====
```

Upgrade 1 Package

```
Total download size: 8.6 k
```

```
Downloading packages:
```

```
Delta RPMs disabled because /usr/bin/applydeltarpm not installed.
```

```
elrepo-release-7.0-5.el7.elrepo.noarch.rpm | 8.6 kB 00:00
```

```
Running transaction check
```

```
Running transaction test
```

Transaction test succeeded

Running transaction

Updating	: elrepo-release-7.0-5.el7.elrepo.noarch	1/2
Cleanup	: elrepo-release-7.0-4.el7.elrepo.noarch	2/2
Verifying	: elrepo-release-7.0-5.el7.elrepo.noarch	1/2
Verifying	: elrepo-release-7.0-4.el7.elrepo.noarch	2/2

Updated:

elrepo-release.noarch 0:7.0-5.el7.elrepo

Complete!



grub 2



```
# awk -F\ ' '$1=="menuentry " {print $2}' /etc/grub2.cfg
CentOS Linux (5.18.6-1.el7.elrepo.x86_64) 7 (Core)
CentOS Linux (3.10.0-1160.66.1.el7.x86_64) 7 (Core)
CentOS Linux (0-rescue-db7214c5f0fd4b74abbce0498c2ad9b8) 7 (Core)
```



0

```
# grub2-set-default 0
```



```
CentOS Linux (5.18.6-1.el7.elrepo.x86_64) 7 (Core)
CentOS Linux (3.10.0-1160.66.1.el7.x86_64) 7 (Core)
CentOS Linux (0-rescue-db7214c5f0fd4b74abbce0498c2ad9b8) 7 (Core)
```



```
# uname -a
Linux oxoolcommunity.ossii.com.tw 5.18.6-1.el7.elrepo.x86_64 #1 SMP PREEMPT_DYNAMIC Tue Jun 21
09:11:23 EDT 2022 x86_64 x86_64 x86_64 GNU/Linux
```

