

V7 服务器版最小化图形安装手册

内部资料 请勿外传

文档属性

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内部参考 请勿外传

一、文档说明

本文档按照现场机器是否可以连接外网分情况讨论。

二、背景

V7 服务器在安装时可以选择“最小安装”、“带 GUI 的服务器”等。本文档用于在最小化安装服务器系统后，有安装图形界面的需求时使用。



安装图形界面实际只需要通过 yum 安装“Server with GUI”这一 group 即可。

三、方案

3.1 机器不能连接外网

使用系统安装光盘或者对应的 ISO 作为源安装图形化包，下面以 ISO 为例：

准备 ISO，挂载到/mnt 下

```
sudo mount NeoKylin-Server-7.0-aarch64-Release-Build06.08-lic-20191206-arm64.iso /mnt
```

```
[kylin@localhost ~]$ ls
NeoKylin-Server-7.0-aarch64-Release-Build06.08-lic-20191206-arm64.iso
[kylin@localhost ~]$
[kylin@localhost ~]$ sudo mount NeoKylin-Server-7.0-aarch64-Release-Build06.08-lic-20191206-arm64.iso /mnt
[sudo] password for kylin:
mount: /dev/loop0 is write-protected, mounting read-only
[kylin@localhost ~]$
[kylin@localhost ~]$ _
```

修改 repo 文件 baseurl 为 file:///mnt

sudo vi /etc/yum.repos.d/iso.repo

```
[ns7-adv-iso]
name=NeoKylin Linux Advanced Server 7 - ISO
baseurl=file:///mnt_
gpgcheck=0
enabled=1
```

清理和建立 repo 缓存

yum clean all

yum makecache

```
[kylin@localhost yum.repos.d]$ yum clean all
Cleaning repos: ns7-adv-iso
[kylin@localhost yum.repos.d]$ yum makecache
ns7-adv-iso
(1/4): ns7-adv-iso/group_gz          | 3.7 kB  00:00:00
(2/4): ns7-adv-iso/filelists_db     | 145 kB  00:00:00
(3/4): ns7-adv-iso/primary_db       | 2.9 MB  00:00:00
(4/4): ns7-adv-iso/other_db         | 3.3 MB  00:00:00
Metadata Cache Created
[kylin@localhost yum.repos.d]$ _
```

安装“Server with GUI”组

sudo yum groupinstall -y “Server with GUI”

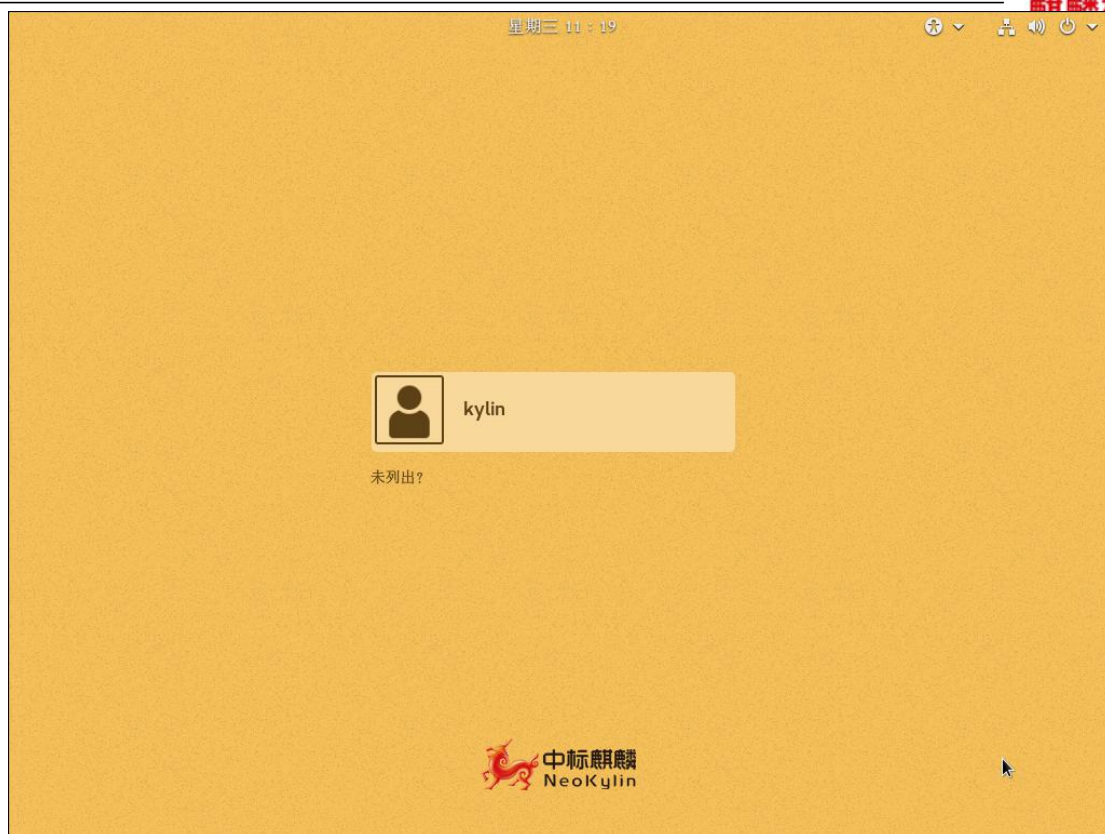
安装的包比较多，稍事等待

```
Transaction Summary
=====
Install 268 Packages (+623 Dependent packages)

Total download size: 717 M
Installed size: 2.2 G
Is this ok [y/d/N]: y_
```

直至“Complete!”提示，安装完成，运行 sudo init 5，即可进入图形界面

```
[kylin@localhost ~]$ sudo init 5
[sudo] password for kylin: _
```



如需设置系统开机默认进入图形界面，则运行如下命令

`sudo systemctl set-default graphical.target`

```
[kylin@localhost ~]$ sudo systemctl set-default graphical.target
[sudo] password for kylin:
Removed symlink /etc/systemd/system/default.target.
Created symlink from /etc/systemd/system/default.target to /usr/lib/systemd/system/graphical.target.
[kylin@localhost ~]$
```

注：

设置默认进入字符界面：`sudo systemctl set-default multi-user.target`

3.2 机器可连接外网

使用系统默认 yum 源即可，本例中：

```
[kylin@localhost ~]$ cat /etc/yum.repos.d/ns7-adv.repo
[ns7-adv-os]
name=NeoKylin Linux Advanced Server 7 - Os
baseurl=http://update.cs2c.com.cn:8080/NS/U7/U7Update6/os/adv/lic/base/$basearch/
gpgcheck=0
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-neokylin-release
enabled=1

[ns7-adv-updates]
name=NeoKylin Linux Advanced Server 7 - Updates
baseurl=http://update.cs2c.com.cn:8080/NS/U7/U7Update6/os/adv/lic/updates/$basearch/
gpgcheck=0
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-neokylin-release
enabled=1

[ns7-adv-addons]
name=NeoKylin Linux Advanced Server 7 - Addons
baseurl=http://update.cs2c.com.cn:8080/NS/U7/U7Update6/os/adv/lic/addons/$basearch/
gpgcheck=0
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-neokylin-release
enabled=0
```

清理和建立新的 repo 缓存

yum clean all

yum makecache

```
[kylin@localhost ~]$ yum clean all
Cleaning repos: ns7-adv-os ns7-adv-updates
[kylin@localhost ~]$
[kylin@localhost ~]$ yum makecache
ns7-adv-os                                     | 3.6 kB  00:00:00
ns7-adv-updates                               | 2.9 kB  00:00:00
(1/7): ns7-adv-os/aarch64/group_gz           | 145 kB  00:00:00
(2/7): ns7-adv-os/aarch64/primary_db         | 4.8 MB  00:00:01
(3/7): ns7-adv-os/aarch64/filelists_db       | 6.4 MB  00:00:02
(4/7): ns7-adv-os/aarch64/other_db           | 2.1 MB  00:00:00
(5/7): ns7-adv-updates/aarch64/filelists_db  | 1.8 MB  00:00:01
(6/7): ns7-adv-updates/aarch64/primary_db    | 2.1 MB  00:00:01
(7/7): ns7-adv-updates/aarch64/other_db      | 2.1 kB  00:00:00
Metadata Cache Created
[kylin@localhost ~]$
```

安装“Server with GUI”组

sudo yum groupinstall -y “Server with GUI” --skip-broken

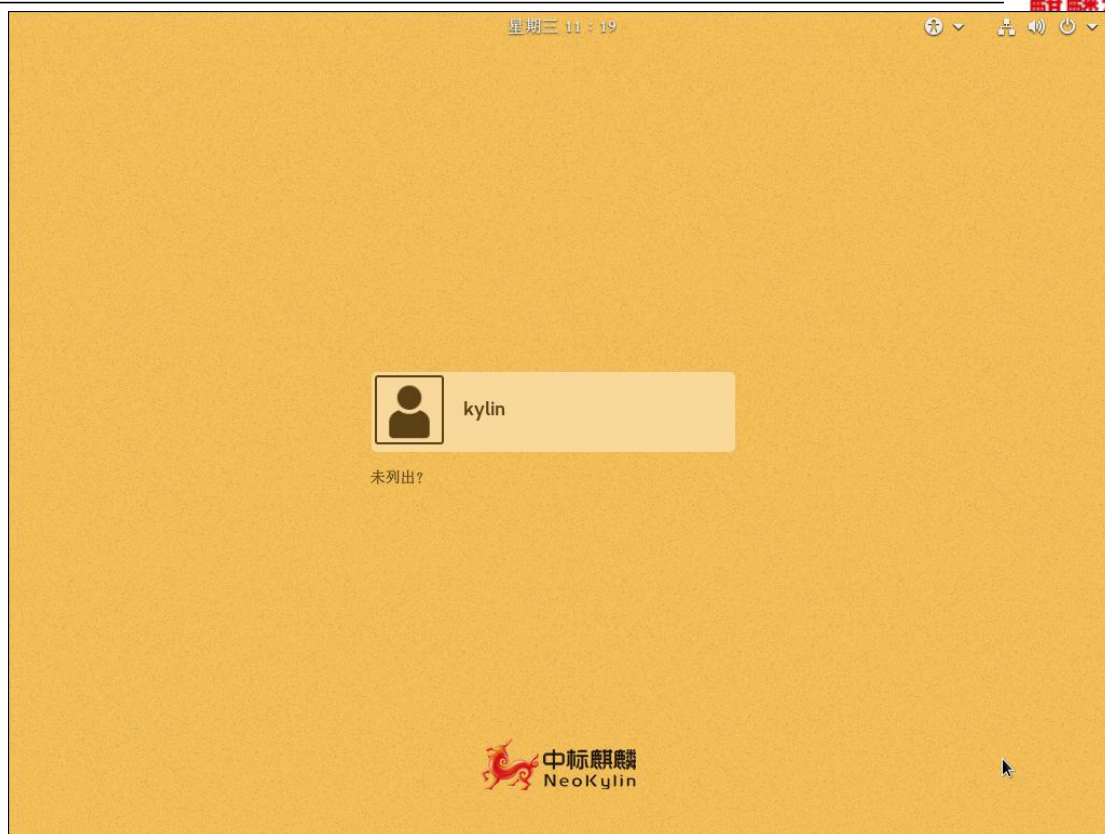
(直接安装会报依赖问题，需要添加--skip-broken 参数)

```
Transaction Summary
=====
Install                               262 Packages (+608 Dependent packages)
Upgrade                               2 Packages (+ 24 Dependent packages)
Skipped (dependency problems)        21 Packages

Total download size: 726 M
Is this ok [y/d/N]: y_
```

直至“Complete!”提示，安装完成，运行 sudo init 5，即可进入图形界面

```
[kylin@localhost ~]$ sudo init 5
[sudo] password for kylin: _
```

如需设置系统开机默认进入图形界面，则运行如下命令

`sudo systemctl set-default graphical.target`

```
[kylin@localhost ~]$ sudo systemctl set-default graphical.target
[sudo] password for kylin:
Removed symlink /etc/systemd/system/default.target.
Created symlink from /etc/systemd/system/default.target to /usr/lib/systemd/system/graphical.target.
[kylin@localhost ~]$
```

注：

设置默认进入字符界面：`sudo systemctl set-default multi-user.target`