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# Install Gnome GUI on CentOS 7 / RHEL 7

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Linux admins spend most of their time on working in a terminal; there are some who like to work on GUI instead of a terminal. By default, CentOS 7 installed as the minimal server, and user intervention is required to change the installation type. This guide will help you to install GUI on CentOS 7 on the top of the minimal server installation.

Before installing GUI, make a Local Yum Repository to avoid downloading packages from the internet.

**READ: [How to Configure YUM repository on CentOS 7 / RHEL 7](#)**

**Optional:** Run the following command to list down the available package groups for CentOS 7.

```
# yum group list
```

**Output:**



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 Newsletters: fastestmirror  
 There is no installed groups file.  
 Maybe run: yum groups mark convert (see man yum)  
 Loading mirror speeds from cached hostfile  
 Available Environment Groups:  
 Minimal Install  
 Compute Node  
 Infrastructure Server  
 File and Print Server  
 Basic Web Server  
 Virtualization Host  
**Server with GUI**  
 GNOME Desktop  
 KDE Plasma Workspaces  
 Development and Creative Workstation  
 Available Groups:  
 Compatibility Libraries  
 Console Internet Tools  
 Development Tools  
 Graphical Administration Tools  
 Legacy UNIX Compatibility  
 Scientific Support  
 Security Tools  
 Smart Card Support  
 System Administration Tools  
 System Management  
 Done

**Step 1:** Install Gnome GUI packages using the **YUM command**.

**CentOS 7:**

```
# yum groupinstall "GNOME Desktop" "Graphical Administration Tools"
```

**RHEL 7:**

```
# yum groupinstall "Server with GUI"
```

**Step 2:** Enable GUI on system startup. In **CentOS 7 / RHEL 7**, systemd uses “**targets**” instead of runlevel. The **/etc/inittab** file is no more used to change run levels. So, issue the following command to enable the GUI on system start.

```
# ln -sf /lib/systemd/system/runlevel15.target /etc/systemd/system/default.target
```

**Step 3:** Reboot the machine to start the server in the graphical mode.

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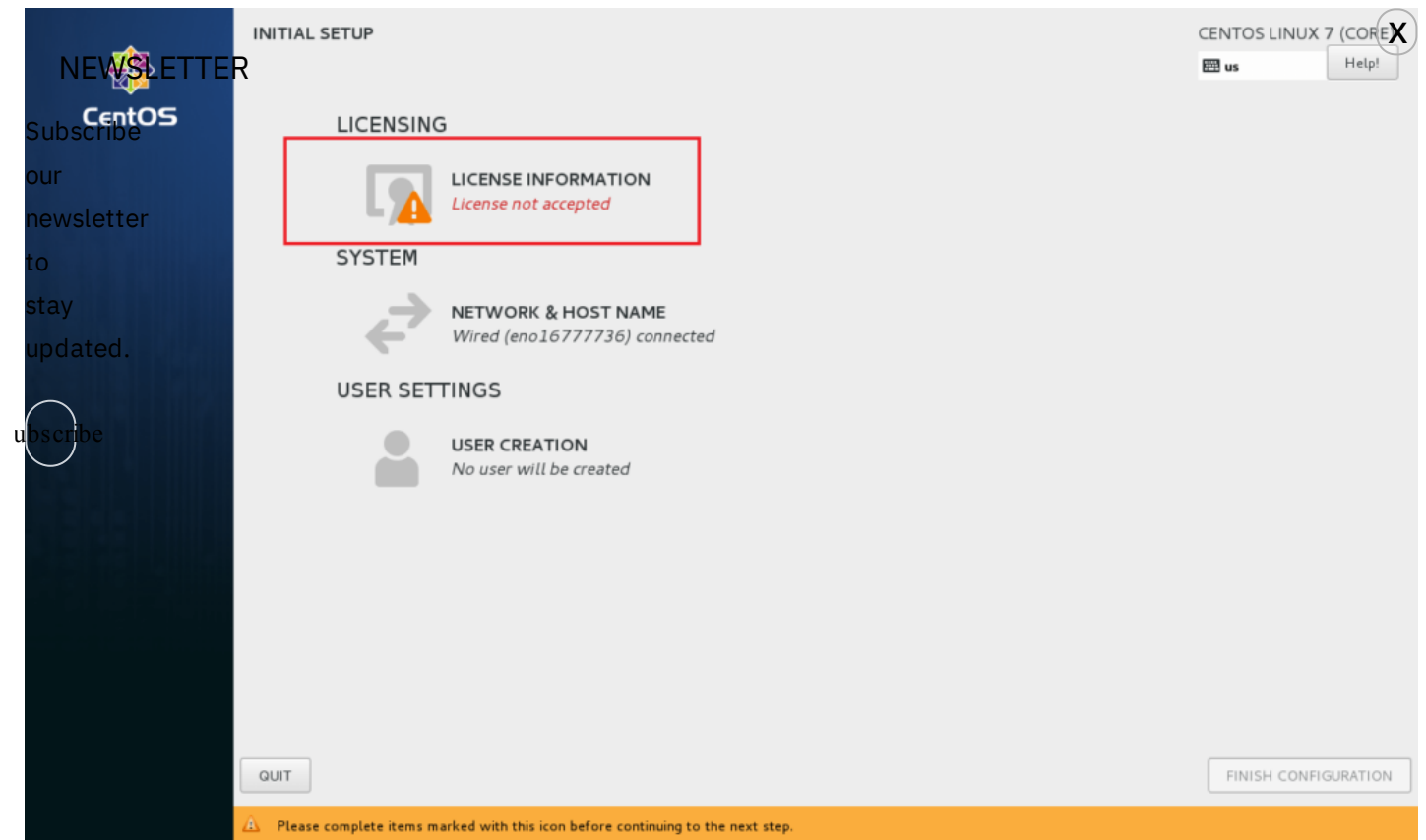
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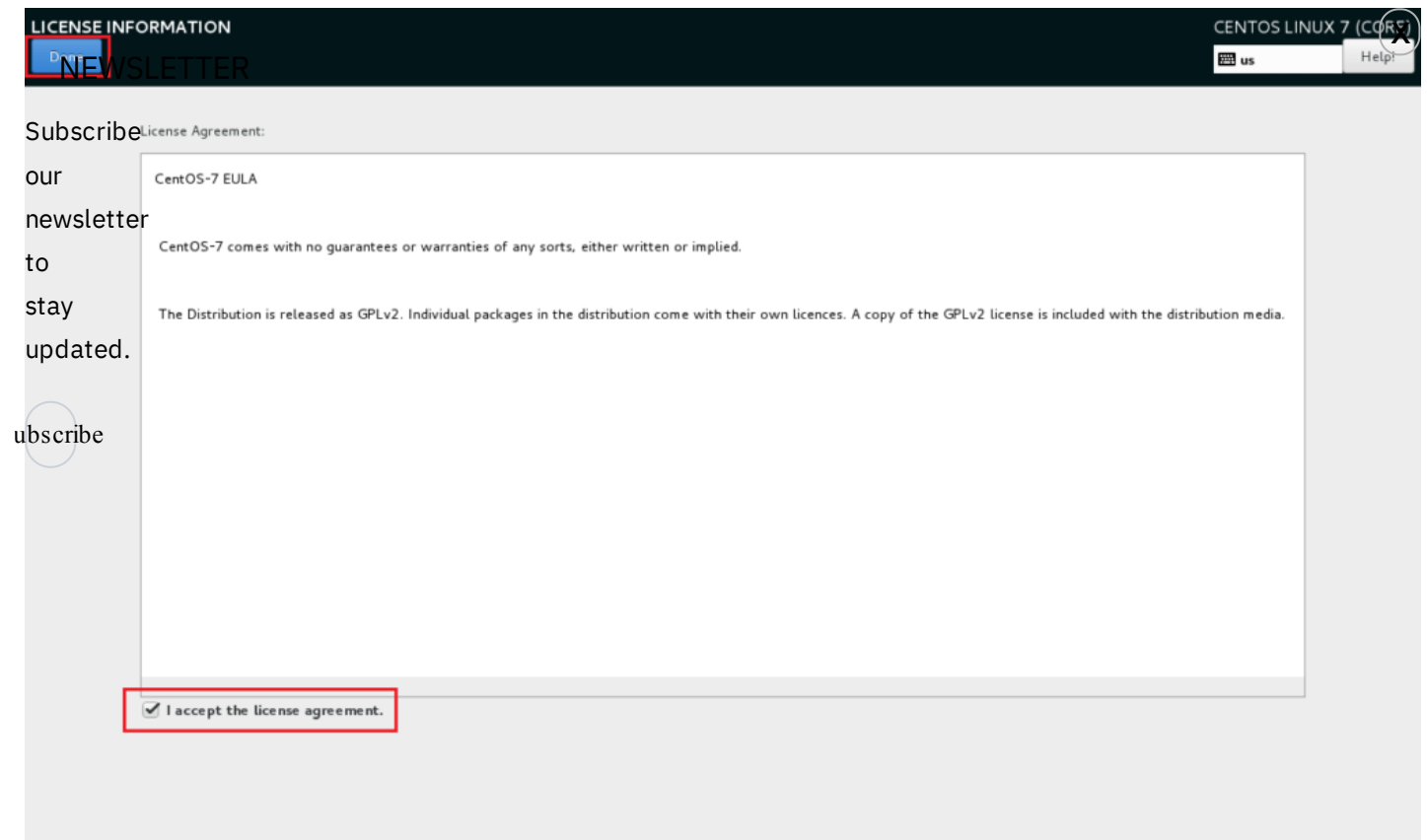


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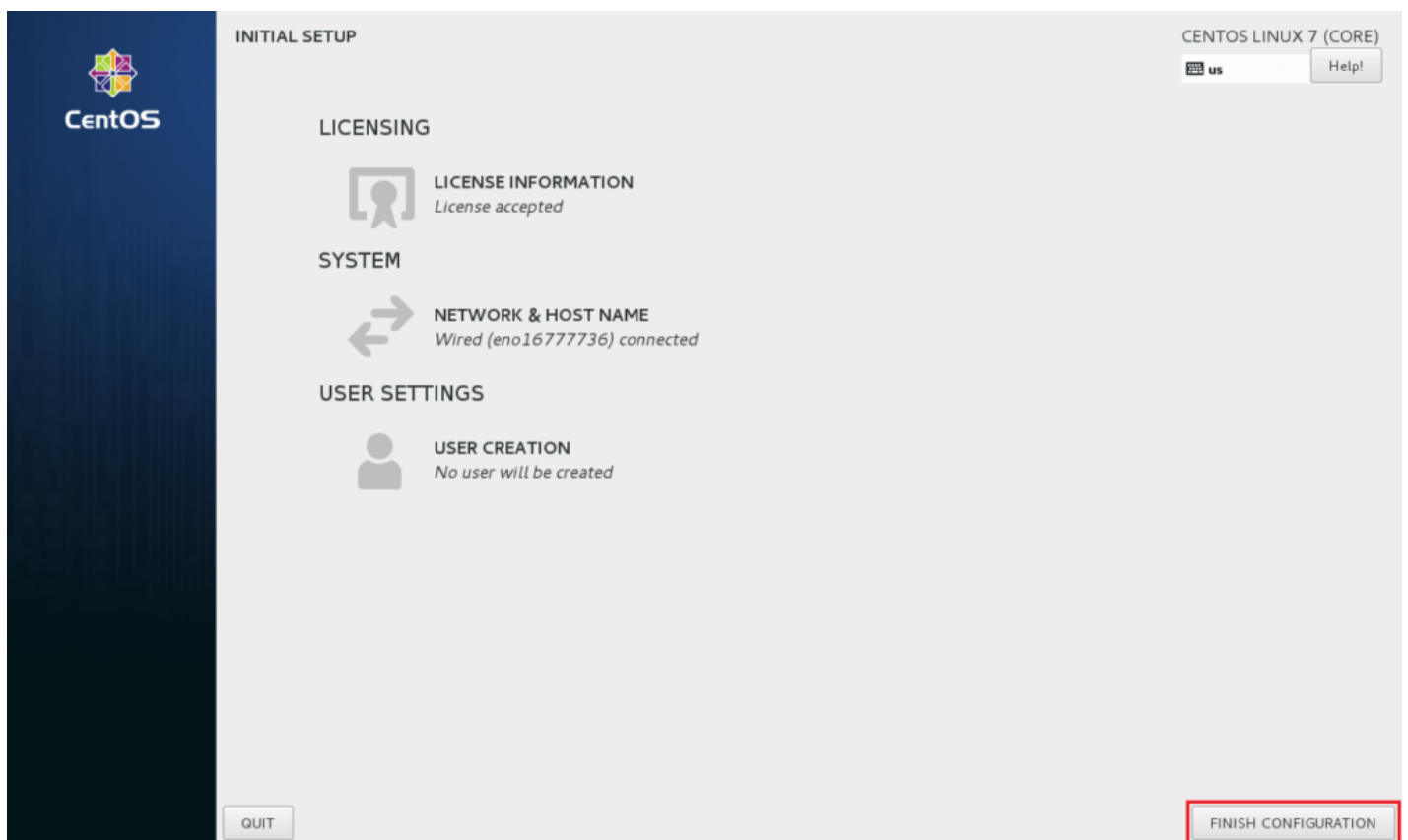
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Click on “**FINISH CONFIGURATION**” to complete the setup.



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You may need to do some post configuration tasks, like **creating first user (local account), language, etc.**

