

# Configuring the Desktop Experience

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**David Clinton**

LINUX SYSTEM ADMINISTRATOR

[bootstrap-it.com/linux-start](https://bootstrap-it.com/linux-start) | [@davidbclinton](https://twitter.com/davidbclinton) | [linkedin.com/in/dbclinton](https://linkedin.com/in/dbclinton)

# Overview



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## Package managers

# Overview



**Package managers**

**Productivity software**

# Overview



**Package managers**

**Productivity software**

**Linux desktops**

# Working with Linux Software Repositories

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# Distribution Families

## Debian

Ubuntu, Mint, and Kali Linux

## Red Hat Enterprise Linux

CentOS and Fedora

## SUSE

OpenSUSE

## Arch Linux

LinHES and Manjaro

# Distribution Families

**Debian**

**APT/DPKG**

**Red Hat Enterprise Linux**

**CentOS and Fedora**

**SUSE**

**OpenSUSE**

**Arch Linux**

**LinHES and Manjaro**



# Distribution Families

**Debian**

**APT/DPKG**

**Red Hat Enterprise Linux**

**YUM/RPM (DNF)**

**SUSE**

**OpenSUSE**

**Arch Linux**

**LinHES and Manjaro**

# Distribution Families

**Debian**

**APT/DPKG**

**Red Hat Enterprise Linux**

**YUM/RPM (DNF)**


**SUSE**

**ZYpp**

**Arch Linux**

**Pacman**

# Ubuntu Software Repositories



# Ubuntu Software Repositories

**Main:**

**Supported by Canonical**

# Ubuntu Software Repositories

**Main:** Supported by Canonical  
**Restricted: Proprietary**

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**Universe:** Community supported

# Ubuntu Software Repositories

**Main:** Supported by Canonical

**Restricted:** Proprietary

**Universe:** Community supported

**Multiverse:** Restricted usage

# Linux Desktop Applications

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# Understanding Linux Desktops

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# Linux Desktops



Linux Desktops

**Cinnamon/Mate**

Linux Desktops

**Cinnamon/Mate**

**Gnome**

# Linux Desktops

**Cinnamon/Mate**

**Gnome**

**Xfce**

# Review



# Linux package managers

Review



## Linux package managers

- APT    Debian/Ubuntu

# Review





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## Linux package managers

- APT    Debian/Ubuntu
- YUM    Red Hat/CentOS

# Review



## Linux package managers

- APT    Debian/Ubuntu
- YUM    Red Hat/CentOS

```
$ sudo nano /etc/apt/sources.list
```

```
deb http://mirrors.ustc.edu.cn/ubuntu/
```

# Review



## Linux package managers

- APT    Debian/Ubuntu
- YUM    Red Hat/CentOS

```
$ sudo nano /etc/apt/sources.list
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```
$ ls /etc/apt/sources.d
```

```
ubuntu.sources
```

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```
$ sudo apt update
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$ apt search glabels
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Productivity and server software



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Productivity and server software

Linux desktops