

Features of Linux Mint

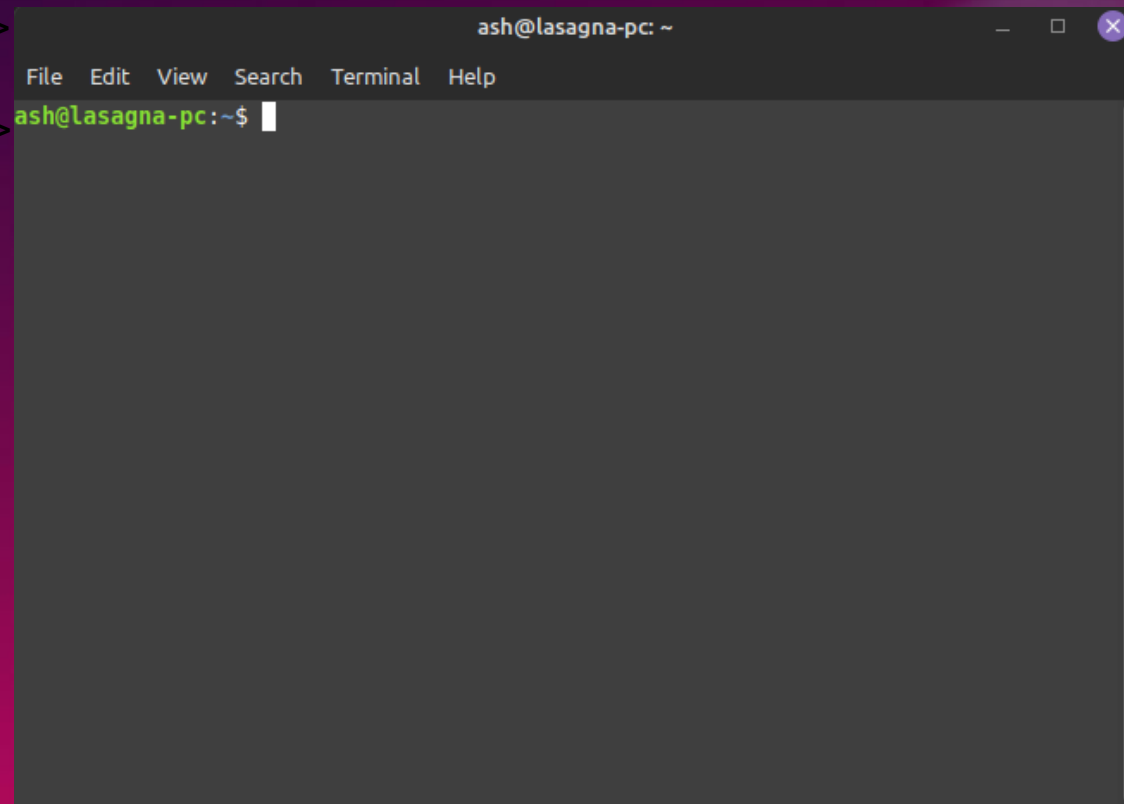
Now with pictures!

The Terminal and Command Line

- Using the Terminal and Command Line, you can do really cool things, such as view system information, edit files, and install apps!

The Terminal --->

Command Line >




View the System and Distribution

- Using the Terminal, you can type “`cat etc*-release`” to view your distribution and version!

```
ash@lasagna-pc:~$ cat /etc/*-release
DISTRIB_ID=LinuxMint
DISTRIB_RELEASE=20.3
DISTRIB_CODENAME=una
DISTRIB_DESCRIPTION="Linux Mint 20.3 Una"
NAME="Linux Mint"
VERSION="20.3 (Una)"
```

View Computer Information

- You can either open your system monitor and go to the “System” tab, or you can type “inxi” into the Command Line!



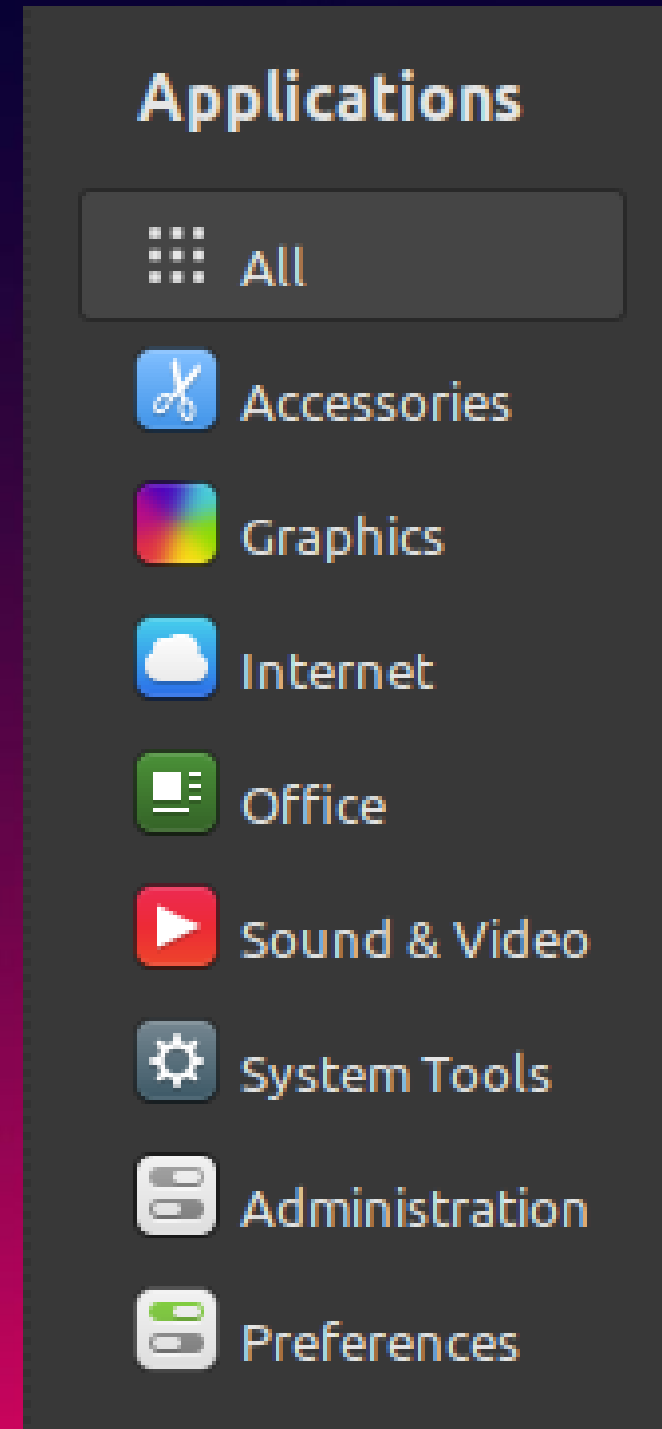
The screenshot shows the 'System' tab of a system monitor. It displays the following information:

- System:** lasagna-pc
- Linux Mint**
 - Release Linux Mint 20.3 Una 64-bit
 - Kernel Linux 5.4.0-91-generic x86_64
 - MATE 1.26.0
- Hardware**
 - Memory: 7.7 GiB
 - Processor: Intel® Core™ i5-4590T CPU @ 2.00GHz × 4
 - Graphics: llvmpipe (LLVM 12.0.0, 128 bits)
- System Status**
 - Available disk space: 6.5 GB

```
ash@lasagna-pc:~$ inxi
CPU: Quad Core Intel Core i5-4590T (-MCP-) speed: 0
Kernel: 5.4.0-91-generic x86_64 Up: 1h 15m Mem: 1448.1/7865.7 MiB (18.4%)
Storage: 14.65 GiB (51.5% used) Procs: 183 Shell: bash 5.0.17 inxi: 3.0.38
```

Applications Pre-Installed

- On Linux, there are a bunch of applications that come pre-installed, and with too many to conveniently name, we'll just mention some of the categories, like Accessories, Internet, and System Tools.



Installing Apps

- Using the Terminal and Command Line, you can install programs without even needing to open a web browser! The next few slides will go in detail on how, using Filezilla as an example.

Getting The Files

Open the Terminal, and type “apt-cache show filezilla” in, then hit enter and let it run.

- After that, type “sudo apt update” and hit enter, and type your password when prompted.

```
ash@lasagna-pc: ~  
File Edit View Search Terminal Help  
ash@lasagna-pc:~$ apt-cache show filezilla  
Package: filezilla  
Architecture: amd64  
Version: 3.46.3-1build1  
Priority: optional  
Section: universe/net  
Origin: Ubuntu  
Maintainer: Adrien Cunin <adri2000@ubuntu.com>  
Bugs: https://bugs.launchpad.net/ubuntu/+filebug  
Installed-Size: 7065  
Depends: filezilla-common (= 3.46.3-1build1), libc6 (>= 2.28), libdbus-1-3 (>= 1.9.14), libfilezilla0 (>= 0.19.3), libgcc-s1 (>= 3.0), libgtk-3-0 (>= 3.0.0), libpugixmlv5 (>= 1.7), libsqlite3-0 (>= 3.5.9), libstdc++6 (>= 5.2), libwxbase3.0-0v5 (>= 3.0.4+dfsg), libwxgtk3.0-gtk3-0v5 (>= 3.0.4+dfsg-10~)  
Recommends: xdg-utils  
Breaks: libfilezilla (<< 0.18.2-2)  
Filename: pool/universe/f/filezilla/filezilla_3.46.3-1build1_amd64.deb  
Size: 1925380  
MD5sum: eb1324b091aefc2c592ffb36a8b53e99  
SHA1: ca0826b6ed74dfc67f1542c96e5860ddc702e81  
SHA256: 0717999dc9b129cbd7cf40f5559edeac6c26752bea7eadd99e00e39461d36f25  
Homepage: https://filezilla-project.org/  
Description-en: Full-featured graphical FTP/FTPS/SFTP client  
FileZilla is a full-featured FTP client with an easy-to-use GUI.  
.  
It is written in C++ and uses the wxWidgets library.  
.  
FileZilla includes the following features:  
* Supports FTP, FTP over SSL/TLS (FTPS) and SSH File Transfer Protocol (SFTP)  
* IPv6 support  
* Available in more than 40 languages  
* Supports resume and transfer of large files >4GB  
* Easy to use Site Manager and transfer queue  
* Bookmarks  
* Drag & drop support  
* Speed limits  
* Filename filters  
* Directory comparison  
* Network configuration wizard  
* Remote file editing  
* Keep-alive  
* HTTP/1.1, SOCKS5 and FTP Proxy support  
* Logging to file  
* Synchronized directory browsing  
* Remote file search  
* Tabbed interface to connect to multiple servers  
Description-md5: 782ac3b3cf186729c1138dc7616d26df
```

```
ash@lasagna-pc: ~  
File Edit View Search Terminal Help  
ash@lasagna-pc:~$ sudo apt update  
[sudo] password for ash:  
Hit:1 http://archive.ubuntu.com/ubuntu focal InRelease  
Get:2 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]  
Hit:3 http://archive.canonical.com/ubuntu focal InRelease  
Ign:4 http://packages.linuxmint.com una InRelease  
Get:5 http://packages.linuxmint.com una Release [24.1 kB]  
Get:6 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]  
Get:7 http://packages.linuxmint.com una Release.gpg [833 B]  
Get:8 http://archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]  
Get:9 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,711 kB]  
Get:10 http://packages.linuxmint.com una/upstream amd64 Packages [50.4 kB]  
Get:11 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1,381 kB]  
Get:12 http://archive.ubuntu.com/ubuntu focal-updates/main 1386 Packages [628 kB]  
Get:13 http://archive.ubuntu.com/ubuntu focal-updates/main Translation-en [320 kB]  
Get:14 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [277 kB]  
Get:15 http://archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [917 kB]  
Get:16 http://archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [131 kB]  
Get:17 http://archive.ubuntu.com/ubuntu focal-updates/universe i386 Packages [676 kB]  
Get:18 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [916 kB]  
Get:19 http://security.ubuntu.com/ubuntu focal-security/main i386 Packages [416 kB]  
Get:20 http://archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [204 kB]  
Get:21 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [390 kB]  
Get:22 http://archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [944 B]  
Get:23 http://archive.ubuntu.com/ubuntu focal-backports/main amd64 DEP-11 Metadata [7,984 B]  
Get:24 http://archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [30.8 kB]  
Get:25 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [239 kB]  
Get:26 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [40.7 kB]  
Get:27 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [696 kB]  
Get:28 http://security.ubuntu.com/ubuntu focal-security/universe i386 Packages [547 kB]  
Get:29 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [122 kB]  
Get:30 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [66.2 kB]  
Get:31 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,464 B]  
Fetched 10.1 MB in 8s (1,325 kB/s)
```

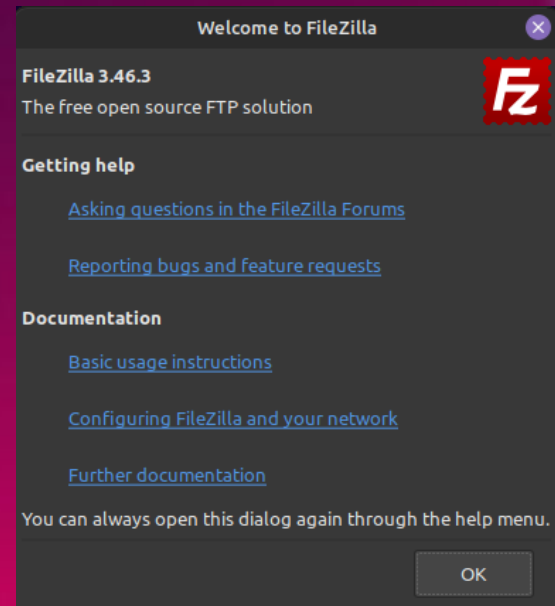
Installing The Files

Next, type in “sudo apt install filezilla”, and hit enter once again, then wait patiently until it is installed!

```
ash@lasagna-pc:~$ sudo apt install filezilla
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  filezilla-common libfilezilla0 libpugixmlv5 libwxbase3.0-0v5
  libwxgtk3.0-gtk3-0v5
The following NEW packages will be installed:
  filezilla filezilla-common libfilezilla0 libpugixmlv5 libwxbase3.0-0v5
  libwxgtk3.0-gtk3-0v5
0 upgraded, 6 newly installed, 0 to remove and 221 not upgraded.
Need to get 9,821 kB of archives.
After this operation, 40.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu focal/universe amd64 filezilla-common all
  3.46.3-1build1 [2,267 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal/universe amd64 libfilezilla0 amd64
  0.19.3-1build1 [198 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal/universe amd64 libpugixmlv5 amd64
  1.10-1 [89.9 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal/universe amd64 libwxbase3.0-0v5 amd64
  3.0.4+dfsg-15build1 [982 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal/universe amd64 libwxgtk3.0-gtk3-0v5
  amd64 3.0.4+dfsg-15build1 [4,359 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal/universe amd64 filezilla amd64 3.46
  .3-1build1 [1,925 kB]
Fetched 9,821 kB in 6s (1,765 kB/s)
Selecting previously unselected package filezilla-common.
(Reading database ... 321605 files and directories currently installed.)
Preparing to unpack .../0-filezilla-common_3.46.3-1build1_all.deb ...
Unpacking filezilla-common (3.46.3-1build1) ...
Selecting previously unselected package libfilezilla0.
Preparing to unpack .../1-libfilezilla0_0.19.3-1build1_amd64.deb ...
Unpacking libfilezilla0 (0.19.3-1build1) ...
Selecting previously unselected package libpugixmlv5:amd64.
Preparing to unpack .../2-libpugixmlv5_1.10-1_amd64.deb ...
Unpacking libpugixmlv5:amd64 (1.10-1) ...
Selecting previously unselected package libwxbase3.0-0v5:amd64.
Preparing to unpack .../3-libwxbase3.0-0v5_3.0.4+dfsg-15build1_amd64.deb ...
Unpacking libwxbase3.0-0v5:amd64 (3.0.4+dfsg-15build1) ...
Selecting previously unselected package libwxgtk3.0-gtk3-0v5:amd64.
Preparing to unpack .../4-libwxgtk3.0-gtk3-0v5_3.0.4+dfsg-15build1_amd64.deb ...
Unpacking libwxgtk3.0-gtk3-0v5:amd64 (3.0.4+dfsg-15build1) ...
Selecting previously unselected package filezilla.
Preparing to unpack .../5-filezilla_3.46.3-1build1_amd64.deb ...
Unpacking filezilla (3.46.3-1build1) ...
Setting up libfilezilla0 (0.19.3-1build1) ...
Setting up libpugixmlv5:amd64 (1.10-1) ...
Setting up filezilla-common (3.46.3-1build1) ...
Setting up libwxbase3.0-0v5:amd64 (3.0.4+dfsg-15build1) ...
Setting up libwxgtk3.0-gtk3-0v5:amd64 (3.0.4+dfsg-15build1) ...
Setting up filezilla (3.46.3-1build1) ...
Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for desktop-file-utils (0.24+linuxmint1) ...
```

- After that, just type “filezilla” in the terminal to open FileZilla!

```
ash@lasagna-pc:~$ filezilla
Reading locale option from /home/ash/.config/filezilla/filezilla.xml
wxD-Bus: Signal from /org/freedesktop/DBus, member NameAcquired
wxD-Bus: Reply with serial 2
wxD-Bus: Reply to RegisterClient, our object path is /org/gnome/SessionManager/Client15
```



Wallpaper

- If you right click on the desktop wallpaper you can change it to whatever you want!

