

# My Samsung Galaxy Note® 4



Craig James Johnston  
Guy Hart-Davis

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Craig James Johnston  
Guy Hart-Davis

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800 East 96th Street,  
Indianapolis, Indiana 46240 USA

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## About the Authors

**Craig James Johnston** has been involved with technology since his high school days at Glenwood High in Durban, South Africa, when his school was given some Apple ][ Europluses. From that moment, technology captivated him, and he has owned, supported, evangelized, and written about it.

Craig has been involved in designing and supporting large-scale enterprise networks with integrated email and directory services since 1989. He has held many different IT-related positions in his career, ranging from sales support engineer to mobile architect for a 40,000-smartphone infrastructure at a large bank.

In addition to designing and supporting mobile computing environments, Craig cohosts the CrackBerry.com podcast as well as guest hosting on other podcasts, including iPhone and iPad Live podcasts. You can see Craig's previously published work in his books *Professional BlackBerry*, *My iMovie*, and many books in the *My* series covering devices by BlackBerry, Palm, HTC, Motorola, Samsung, and Google.

Craig also enjoys high-horsepower, high-speed vehicles and tries very hard to keep to the speed limit while driving them.

Originally from Durban, South Africa, Craig has lived in the United Kingdom, the San Francisco Bay Area, and New Jersey, where he now lives with his wife, Karen, and a couple of cats.

Craig would love to hear from you. Feel free to contact Craig about your experiences with *My Samsung Galaxy Note 4* at <http://www.CraigsBooks.info>.

All comments, suggestions, and feedback are welcome, including positive and negative.

**Guy Hart-Davis** is the author of approximately 100 computer books, including *Android Tips and Tricks*.

## Dedication

*"I love deadlines. I like the whooshing sound they make as they fly by."*

—Douglas Adams

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- Tricia Bronkella, who combined the text and art into colorful pages

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In this chapter, you become familiar with the external features of the Galaxy Note 4 and the basics of getting started with the Android operating system. Topics include the following:

- Getting to know your Galaxy Note 4's external features
- Getting to know your Galaxy Note 4's S Pen (stylus)
- Learning the fundamentals of Android 4.4 (KitKat) and TouchWiz
- Setting up your Galaxy Note 4 for the first time
- Installing desktop synchronization software



## Getting to Know Your Galaxy Note 4

Let's start by getting to know more about your Galaxy Note 4 by examining the external features, device features, and how the Android 4.4 operating system works.

In addition to Android 4.4 (KitKat), this chapter covers the Samsung TouchWiz interface, which is overlaid on top of Android to adjust the way things look and function.

### Your Galaxy Note 4's External Features

Becoming familiar with the external features of your Galaxy Note 4 is a good place to start because you will be using them often. This section covers some of the technical specifications of your Galaxy Note 4, including the touchscreen, camera, and S Pen. There are many versions of the Samsung Galaxy Note 4, but no matter which one you own or which wireless carrier you use to connect it, the exterior, functionality, and look and feel of the interface are exactly the same.



- **Proximity/gesture sensor**—Detects when you place your Galaxy Note 4 against your head to talk, which causes it to turn off the screen so that your ear doesn't inadvertently activate any onscreen items. This sensor also allows you to use gestures (in conjunction with the accelerometer). Gestures are covered later in the chapter.
- **Light sensor**—Adjusts the brightness of your Galaxy Note 4's screen based on the brightness of the ambient light.
- **Earpiece**—The part you hold against your ear while on a call.
- **Indicator light**—Indicates new events (such as missed calls, new Facebook messages, and new emails).
- **Front camera**—A 3.7-megapixel front-facing camera that you use for video chat, taking self-portraits, and even unlocking your Galaxy Note 4 using your face.

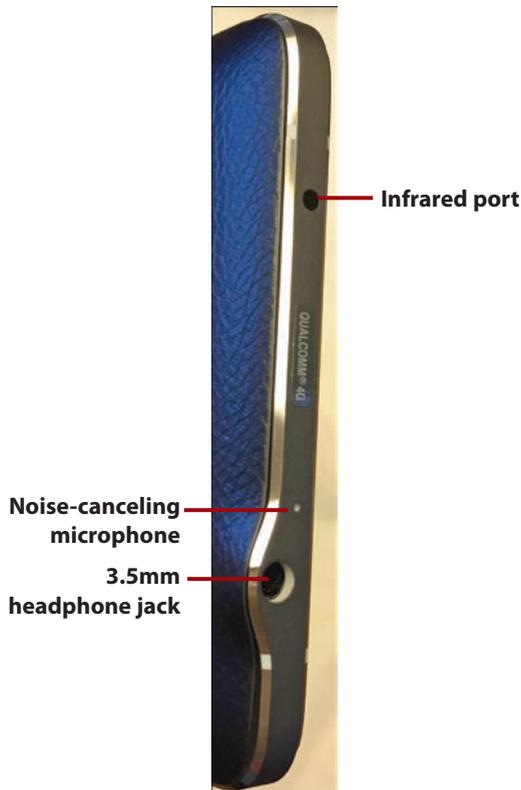
- **Touchscreen**—The Galaxy Note 4 has a 5.7" 1440×2560 pixel Quad HD Super AMOLED (Super Active-Matrix Organic Light-Emitting Diode) screen that incorporates capacitive touch.
- **Back button**—Tap to go back one screen when using an application or menu. This is a touch-sensitive button.
- **Recent Apps button**—Tap to see a list of apps you recently used. You can then touch to jump to them or swipe them off the screen to close them. Touch and hold to see additional options for the current screen. The Recent Apps button replaces the Menu button on previous Galaxy Notes.
- **Home button/fingerprint reader**—Press to go to the Home screen. The application that you are using continues to run in the background. Press twice to launch S Voice. Press and hold to launch Google Now. A fingerprint reader is built in to the Home button; you can read more about it in Chapter 2, "Customizing Your Galaxy Note 4." This is a physical button.

## Back



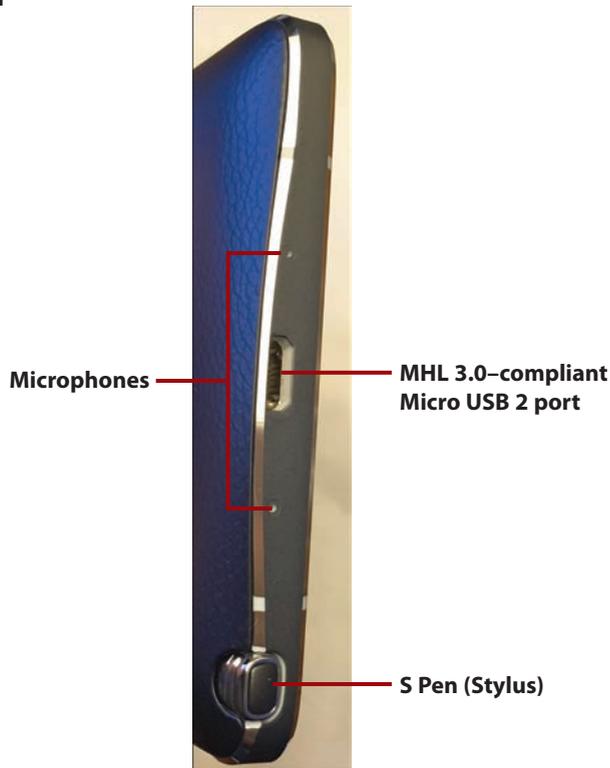
- **Volume up/down buttons**—Enable you to control the audio volume on calls and while playing audio and video.
- **Power button**—Allows you to wake up your Galaxy Note 4 by pressing once. Press and hold for one second to reveal a menu of choices. The choices enable you to put your Galaxy Note 4 into Silent mode or Airplane mode, or to power it off completely.
- **Rear camera**—A 16-megapixel camera with autofocus and Optical Image Stabilization (OIS) that takes clear pictures close up or far away.
- **LED (light-emitting diode) camera flash**—Helps to illuminate the surroundings when you're taking pictures in low light.
- **Back cover removal point**—Allows you to remove the back cover. Insert your fingernail and pull to remove the back cover. After you have removed the back cover, you can install or swap SIM cards as well as insert or swap the Micro SD memory card.

## Top



- **Infrared port**—Allows you to control your television from your Note 4 using an infrared signal.
- **3.5mm headphone jack**—Plug in your Galaxy Note 4 or third-party headset to enjoy music and talk on the phone.
- **Noise-canceling microphone**—Use in conjunction with the regular microphone to reduce background noise during phone calls. This microphone is also used when you record videos.

## Bottom



- **MHL 3.0-compliant Micro USB 2 port**—You can use the Micro USB 2 port to synchronize your Galaxy Note 4 to your desktop computer and charge it, but because it is Mobile High-definition Link (MHL) compliant, you can use it to play movies on your TV via high-definition multimedia interface (HDMI) using a special cable or dock. Read more about MHL 3.0 at [http://en.wikipedia.org/wiki/Mobile\\_High-Definition\\_Link#MHL\\_3.0\\_features](http://en.wikipedia.org/wiki/Mobile_High-Definition_Link#MHL_3.0_features).

- **Microphones**—You use the microphones when you are on a call and holding your Galaxy Note 4 to your ear.
- **S Pen (Stylus)**—Pull the S Pen out of its holder to draw on the screen and interact with apps. Read more about the S Pen in the next section.

## S Pen

Your Samsung Galaxy Note 4 comes with a stylus, which Samsung calls the S Pen. The S Pen is stored in the Galaxy Note 4 on the right side, and you pull it out from the lower right. This section covers some of the S Pen's features and functions.

### Getting to Know the S Pen

Let's take a look at the S Pen itself and learn about its features.

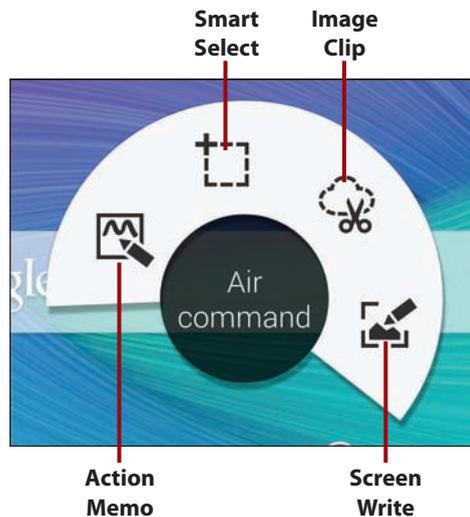


- **Stylus tip**—The S Pen stylus tip is what makes contact with the screen as you write and draw. The stylus tip is pressure sensitive, so it knows how hard or soft you are pressing. This is particularly useful for drawing because pressure translates into line thickness.
- **S Pen button**—The S Pen button adds extra functionality to the S Pen. When you press the button as you drag the pen on the screen, you can perform functions, such as moving between screens, taking screenshots, and even cutting out parts of any screen.

## Air Command

When you remove your S Pen, Air Command is the first thing that pops up. Air Command gives you quick access to useful S Pen functionality. You can also access Air Command any time by hovering your S Pen over the screen and pressing the S Pen button. It is important to note that Air Command on the Note 4 no longer includes the S Finder and Pen Window functions that used to be included on the Note 3.

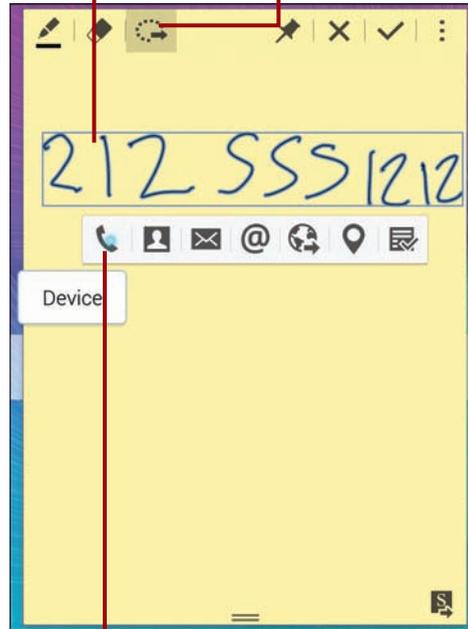
- **Action Memo**—Write in a special note area and tell your Note 4 to take action on what you write. For example, write a phone number and tell Action Memo to dial that number.



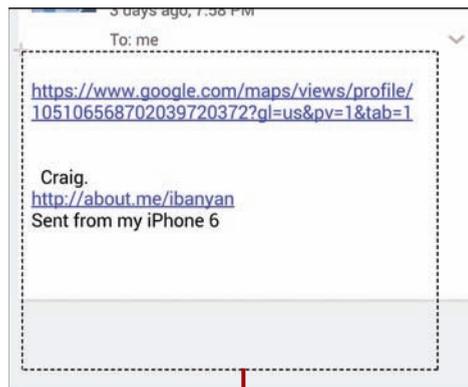
- **Smart Select**—This feature used to be called Scrap Booker. Capture a part of the screen by drawing around the area you want to capture. You can then share the captured image, save the captured area of the screen to the Scrapbook app, or, if the captured image includes text, you can take an action such as call a phone number, open a link, or send an email.
- **Screen Write**—Capture the entire screen and then write on the image of the captured screen. Your image is saved in the Screenshots album. This album can be viewed using the Photos app or the Gallery app.

Write something first...

...then touch here...

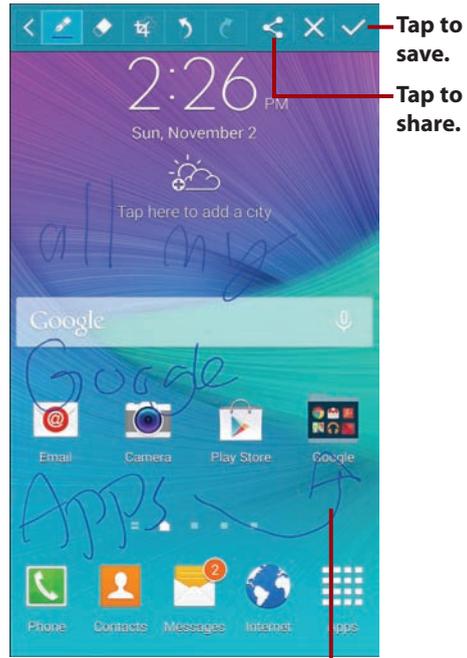


...and lastly  
choose an action



Draw around an  
area on the screen.

- **Image Clip**—Capture part of the screen by drawing around the area you want to capture. Your image can then be shared, or saved in the Scrapbook app.

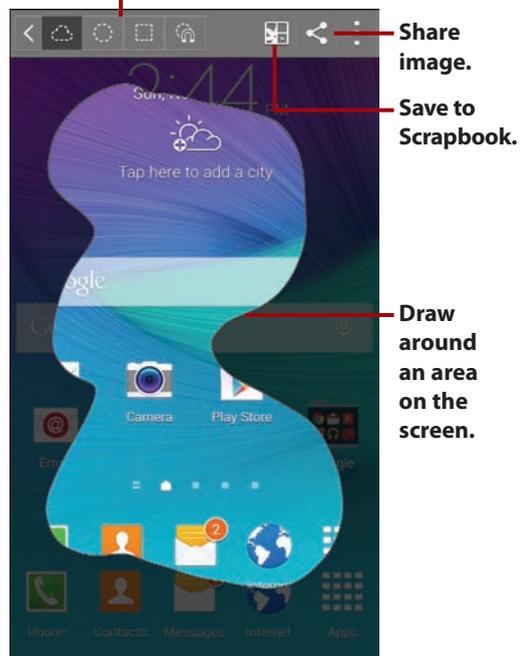


Tap to save.

Tap to share.

Adjust the selection area to be round or square.

Draw on the captured screenshot.



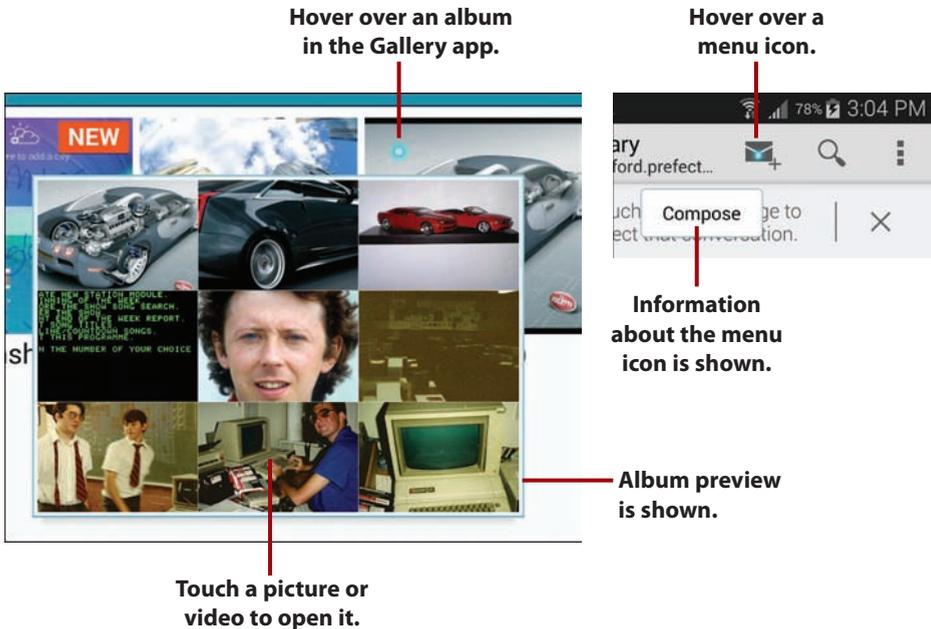
Share image.

Save to Scrapbook.

Draw around an area on the screen.

## Air View

Air View is a feature that shows you a preview of information about an object and enables you to interact with it when you hover the S Pen or your finger near the screen over an object that is Air View enabled. Make sure that Air View is turned on in Settings before you try to use it. Refer to Chapter 2 to see how to turn on Air View and customize how it works. This section shows you some examples of using Air View.



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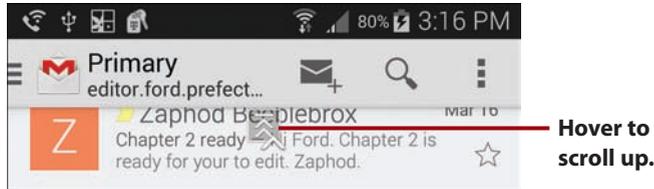
### Air View Is Not Always Available

Apps must be specifically written to support Air View. For example, Samsung has rewritten the Gallery app to support Air View; however, the Photos app, which Google is moving to, does not support Air View.

---

## Scrolling Using the S Pen

You can scroll up and down by hovering your S Pen at the top or bottom of an area of the screen that scrolls, such as a message list. For this gesture, you must not press the S Pen button—just hover at the top or bottom of the scroll area. You see an arrow indicating that the scrolling gesture has been recognized.



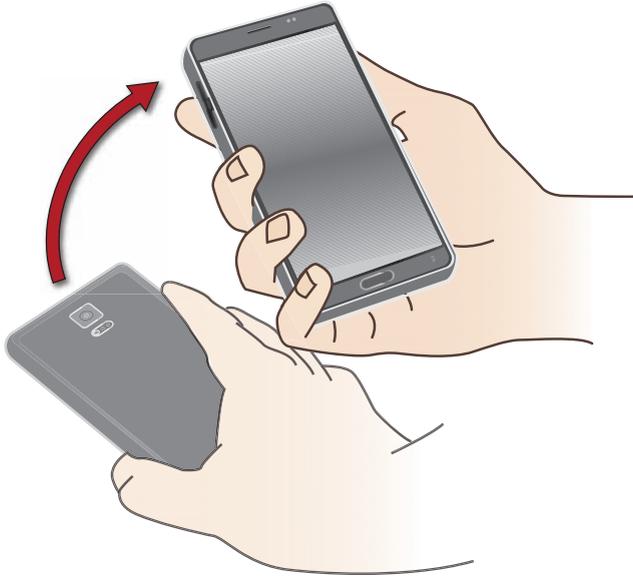
## Gestures and Motions

Gestures and motions allow you to quickly use certain functions or features by making hand gestures or moving the Note 4 in a specific way.

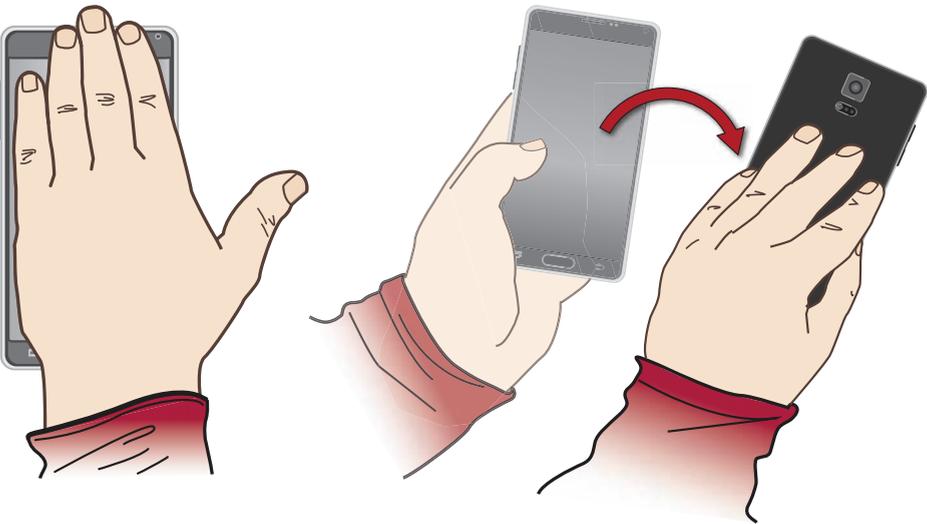
- **Direct Call**—While you are looking at a missed call, reading an SMS (text message) from someone, or viewing someone’s contact information, if you lift your Note 4 to your ear and hold it there, the phone number being viewed will be dialed.



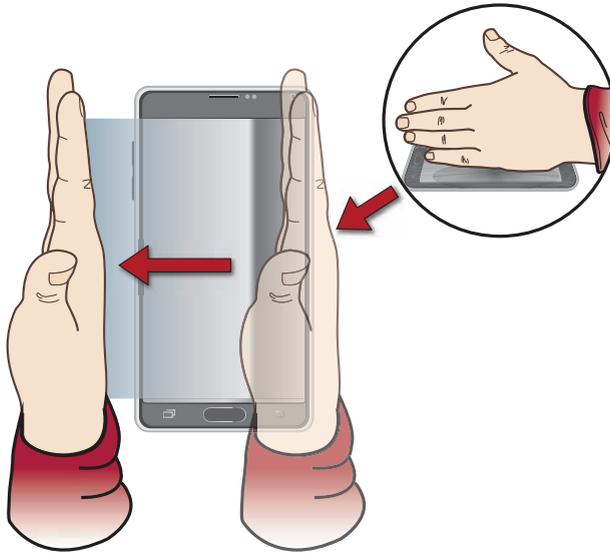
- **Smart Alert**—If you have missed calls or messages, when you pick up your Note 4 from a flat surface, it vibrates.



- **Mute**—To mute incoming calls and alarms, either place your hand over the screen or turn your Note 4 over.



- **Palm Swipe to Capture**—You can capture a screenshot by holding your palm perpendicular to the screen, touching it on the screen and swiping it from left to right or right to left. The captured screenshot goes to the Screenshots album, which you can view using the Gallery or Photos app.



## First-Time Setup

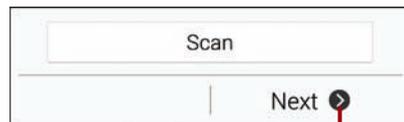
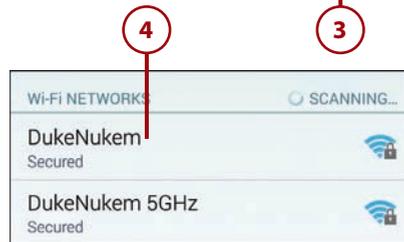
Before setting up your new Samsung Galaxy Note 4, you should have a Google account because your Galaxy Note 4 running Android is tightly integrated with Google. When you have a Google account, you can store your content in the Google cloud, including any books and music you buy or movies you rent. If you do not already have a Google account, go to <https://accounts.google.com> on your desktop computer and sign up for one.

1. Press and hold the Power button until you see the animation start playing.
2. Tap to change your language if needed.
3. Tap Start.
4. Tap a Wi-Fi network you want to connect to during setup. If you'd rather not connect to a Wi-Fi network, tap Next and continue at step 8.

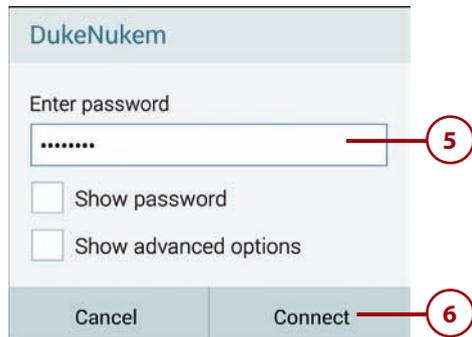
### Why Use Wi-Fi During Setup

As you go through the first-time setup of your Note 4, you may choose to restore a backup of a previous device to your Note 4, and at the end of the device setup, a number of apps may need to be updated. Both of these activities can use a lot of data. Using Wi-Fi speeds up these activities as well as saves you the cost of the cellular data charges. Therefore, although you do not have to connect to a Wi-Fi network for device setup, it is advisable.

5. Enter the password for the Wi-Fi network using the onscreen keyboard.
6. Tap Connect. Your Galaxy Note 4 connects to the Wi-Fi network.



**Tap to skip and use cellular data.**



7. Tap Next.



**Indicates that you are connected to the network**



## >>>Go Further

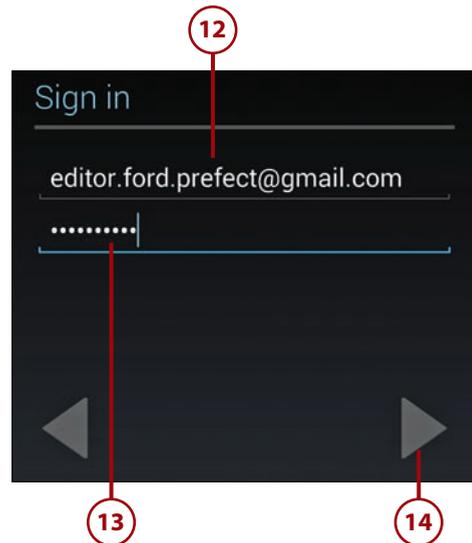
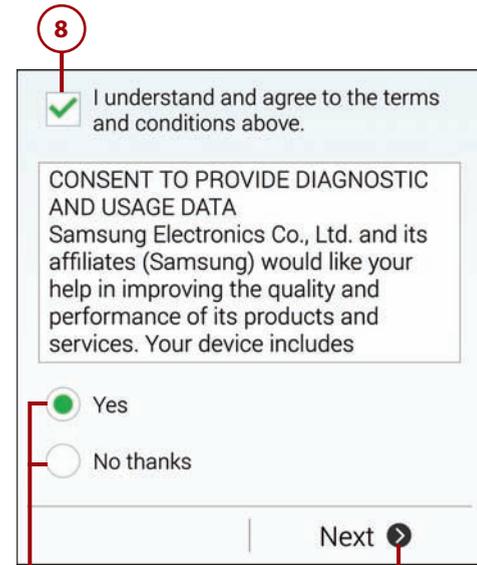
### SMART NETWORK SWITCH

Smart network switch is a feature that, once enabled, allows your Note 4 to seamlessly switch between the two Wi-Fi bands (2.4GHz and 5GHz) and cellular data to maintain a stable Internet connection. Your Note 4 constantly analyzes its connection to the Internet and switches between Wi-Fi networks operating on 2.4GHz and 5GHz to provide the best connection, and if the Wi-Fi connectivity becomes poor, it switches to the cellular data network. Bear in mind that with this option enabled you might start seeing higher cellular data usage, especially in areas where Wi-Fi is unstable, slow, or overcrowded.

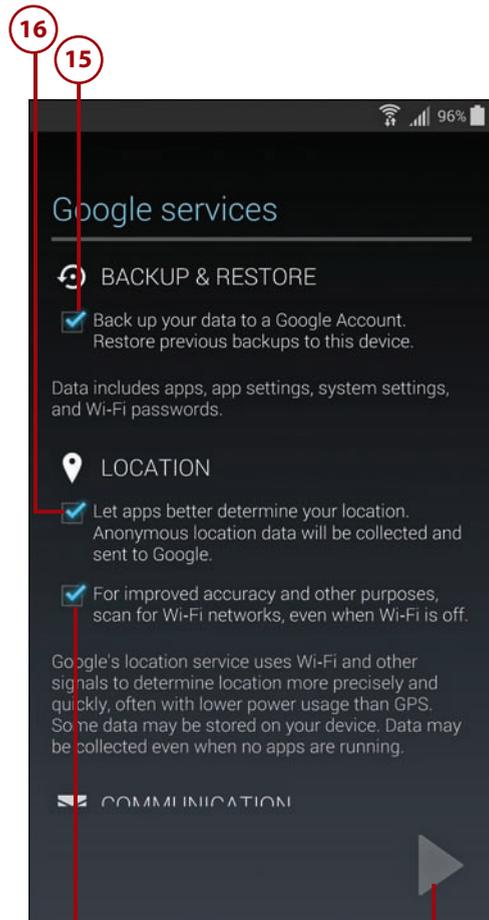
8. Tap to check the box after you have read and understood the End User License Agreement (EULA).
9. Decide whether you would like Samsung to collect diagnostic and usage data from your Note 4.
10. Tap Next.
11. Tap Yes to log in to your Google account.
12. Enter your Google account email address (your Gmail address).
13. Enter your Google account password.
14. Tap the right arrow to continue.
15. Check this box to keep data on your Galaxy Note 4 backed up to the Google cloud and restore settings previously saved in the Google cloud to your new Galaxy Note 4 before continuing.

### Beware of the Restore

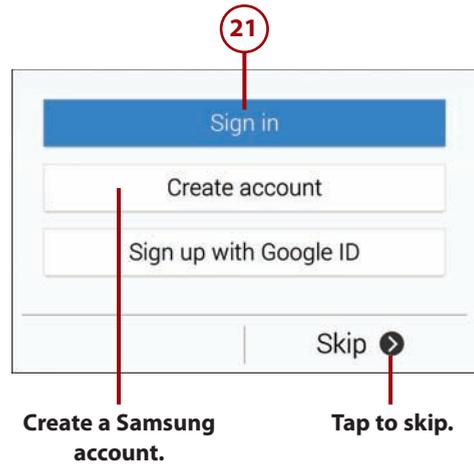
Be careful leaving the Backup & Restore box checked in step 15. If you are switching from a non-Samsung Android device, leaving this box checked will restore original Android apps such as Calendar. Because Samsung rewrites many standard Android apps, if you leave this box checked you may end up with two of certain apps such as Calendar.



16. Check this box if you are okay with Google collecting information about your geographic location at any time. Although this information is kept safe, if you are concerned about privacy rights, uncheck this box.
17. Check this box if you are okay with Google using your geographic location for Google searches and other Google services.
18. Tap the right arrow to continue.
19. Change your name if needed.
20. Tap the right arrow to continue.



21. Touch to sign in to your Samsung account if you have one, or tap Skip and jump to step 28.



## >>> Go Further

### DO I NEED A SAMSUNG ACCOUNT?

Android was designed to be used with a Google account. That Google account enables you to access the Google ecosystem of Android apps, music, movies, and books; plus, your phone's settings are backed up to the Google cloud. If you change devices, your new device reverts to the way you had your old device set up. A Samsung account does a similar thing, but it uses the Samsung ecosystem. Technically, you don't really need a Samsung account because a Google account provides everything you need. However, Samsung has its own app store and typically puts Samsung-specific apps in there first before they show up in the Google Play Store, so if you can't stand waiting for apps, you should sign up for a Samsung account.

22. Enter the email address you used for your Samsung account.
23. Enter your Samsung account password.
24. Tap Sign In.
25. Check the box to enable automatically backing up your data to your Samsung account.
26. Check the box to first restore data previously backed up in the Samsung cloud to your Galaxy Note 4 after you have completed the device setup.
27. Tap Next.
28. Enter a name for your Note 4. This name is used whenever you are connecting to other devices.
29. Check the box if you want your Note 4 to use Easy mode. Easy mode uses a simplified Home screen layout, plus enlarges the text and size of the app icons. You can always disable Easy mode later if you decide it's not for you.
30. Tap Finish.

Samsung account

editor.ford.prefect@gmail.com

.....

Show password

[Forgot your ID or password?](#)

Cancel | Sign in

Restore

Auto back up

Backup and restoration will start once the setup wizard has finished.

Next ➤

Device name

James Johnston (Galaxy Note4)

Enter a device name to easily identify your device when using Bluetooth, Wi-Fi Direct, or tethering.

**Easy mode**

Use a simpler home screen layout, and larger text and icons.

[Learn more](#)

Turn on Easy mode

Finish ➤

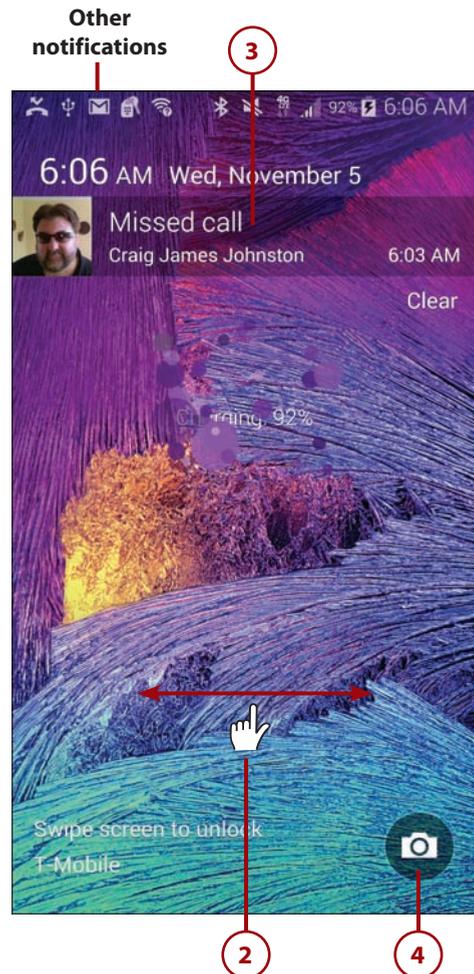
# Fundamentals of Android 4.4 and TouchWiz

Your Galaxy Note 4 is run by an operating system called Android. Android was created by Google to run on any smartphone, and your Galaxy Note 4 uses a version called Android 4.4 (or KitKat). Samsung has made many changes to this version of Android by adding extra components and modifying many standard Android features. They call this customization TouchWiz.

## The Lock Screen

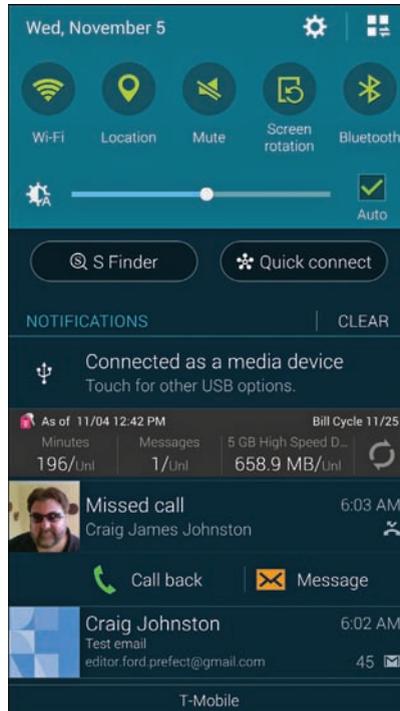
If you haven't used your Galaxy Note 4 for a while, the screen goes blank to conserve battery power. This task explains how to interact with the Lock screen.

1. Press the Power button or Home button to wake up your Galaxy Note 4.
2. Slide your finger across the screen in any direction to unlock your Galaxy Note 4.
3. Tap the Missed Call or Missed Text Message notification and then swipe the screen to unlock and go directly to the call log.
4. Swipe up from the Camera icon to launch the Camera.



## Working with Notifications and Settings on the Lock Screen

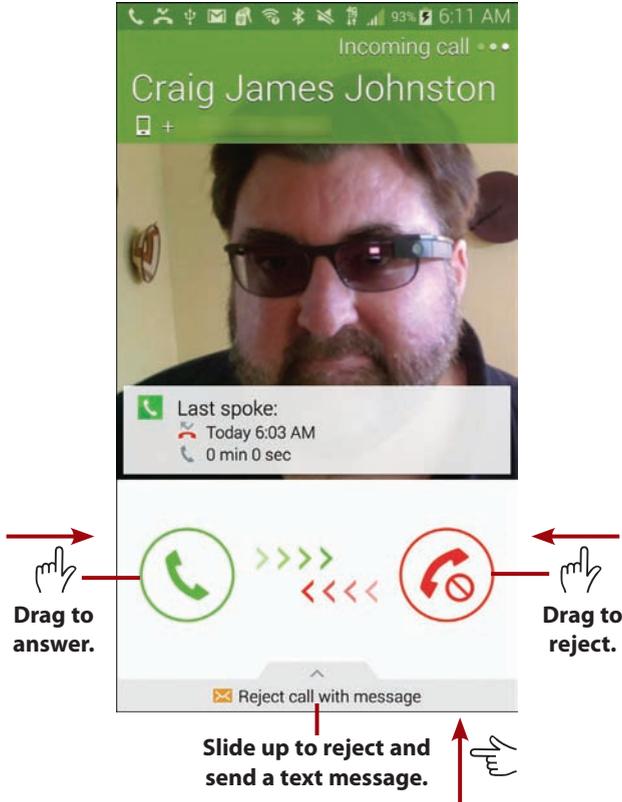
You can work with notifications and settings right on the Lock screen. If you see notifications in the Notification bar, pull down the Notification bar to view and clear them. Touching a notification takes you straight to the app that created it. Read more about the Notification bar later in this section.



Swipe down to see notifications and settings.

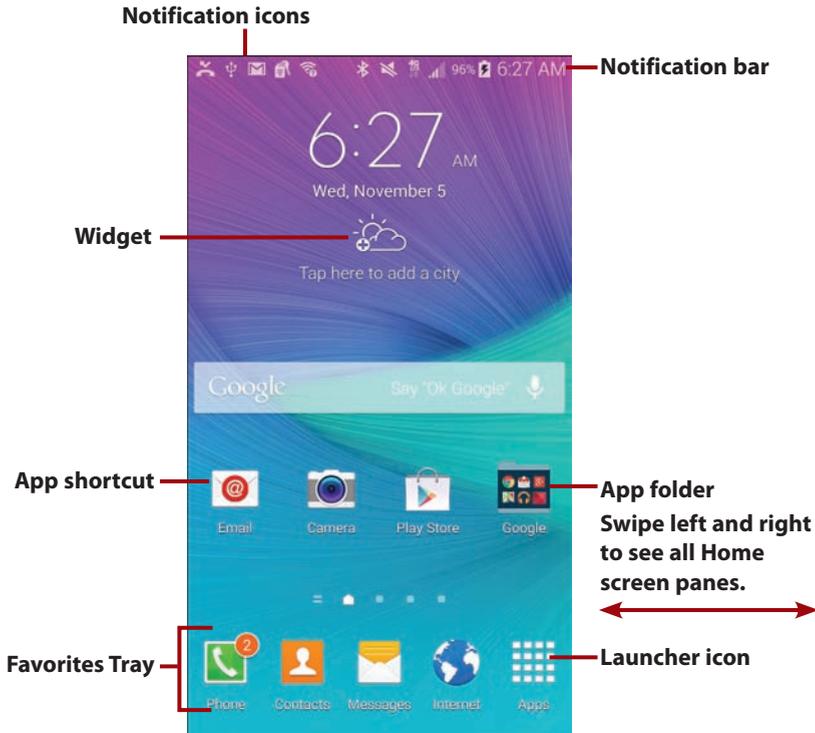
## Answering a Call from the Lock Screen

If your Galaxy Note 4 is locked when a call comes in, you have three choices: Drag the green icon to answer the incoming call; drag the red icon to reject the incoming call and send it straight to voicemail; or drag up from the bottom of the screen to reject the call and send a preset text message (SMS) to the caller.



## The Home Screen

After you unlock your Galaxy Note 4, you are presented with the Home screen. Your Galaxy Note 4 has four Home screen panes (although you can create more). The Home screen panes contain application shortcuts, a Launcher icon, Notification bar, Shortcuts, Favorites Tray, and widgets.

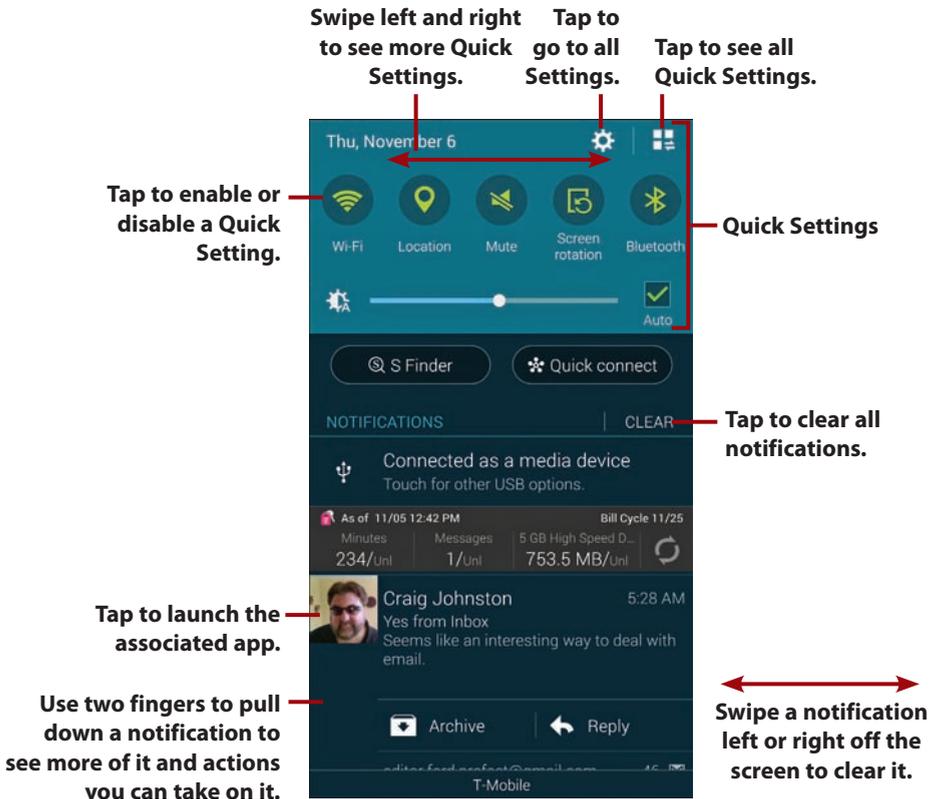


- **Notification bar**—The Notification bar shows information about Bluetooth, Wi-Fi, and cellular coverage, as well as the battery level and time. The Notification bar also serves as a place where apps can alert or notify you using notification icons.
- **Notification icons**—Notification icons appear in the Notification bar when an app needs to alert or notify you of something. For example, the Phone app can show the Missed Calls icon, indicating that you missed a call.
- **Widget**—Widgets are applications that run directly on the Home screens. They are specially designed to provide functionality and real-time information. An example of a widget is one that shows the current weather or provides a search capability. Widgets can be moved and sometimes resized.
- **App shortcut**—When you tap an app shortcut, the associated app launches.
- **App folders**—You can group apps together in a folder as a way to organize your apps and declutter your screen.

- **Favorites Tray**—The Favorites Tray is visible on all Home screen panes. You can drag apps to the Favorites Tray so that they are available no matter which Home screen pane you are looking at. Apps in the Favorites Tray can be rearranged and removed.
- **Launcher icon**—Tap to show application icons for all applications that you have installed on your Galaxy Note 4.

## Work with Notifications

To interact with notifications that appear in the Notification bar, place your finger above the top of the screen and drag to pull down the Notification bar and reveal the notifications. Swipe individual notifications off the screen to the left or right to clear them one by one, or tap Clear to clear all of them at once. The Notification bar also includes Quick Settings such as the ability to turn on or off Wi-Fi or Bluetooth.

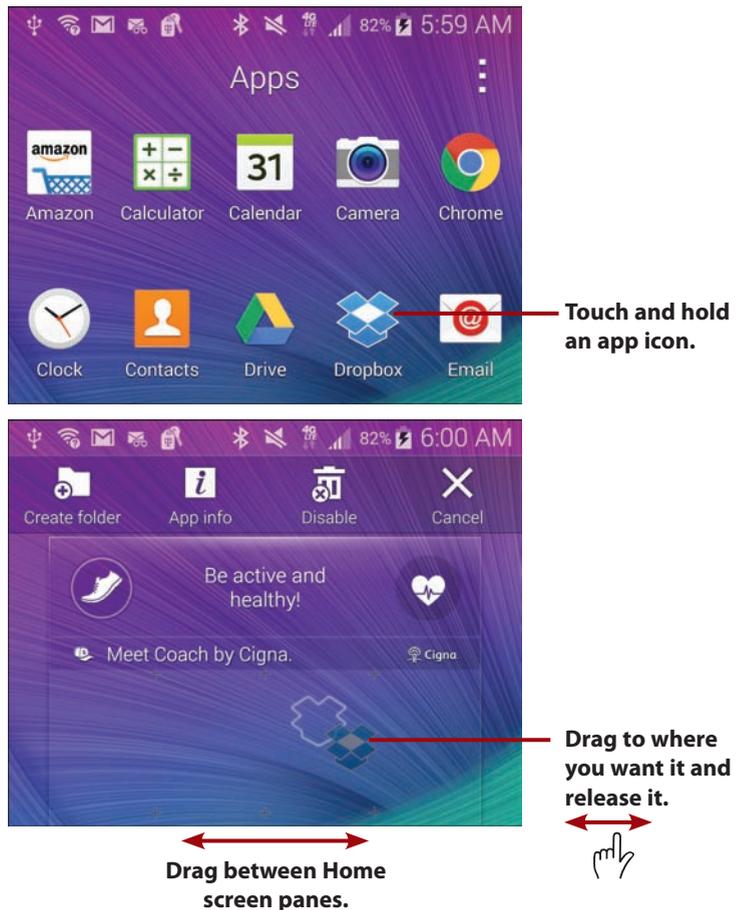


## What Are Quick Settings?

Quick Settings are icons that allow quick on/off actions. Examples are turning Wi-Fi on or off and turning Bluetooth on or off. You cannot change the settings for items, just turn them on or off. To change the settings for these items you need to tap the cog icon to go to the full Settings screen.

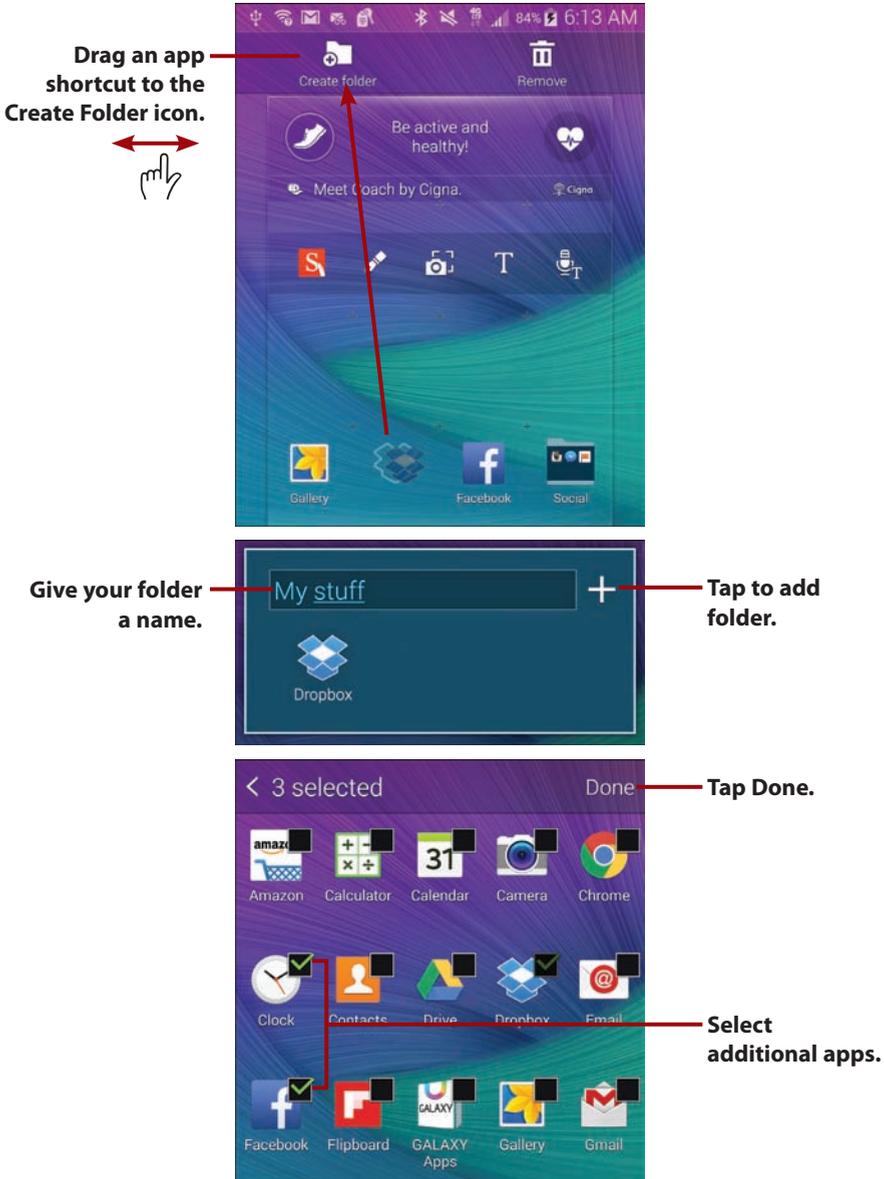
## Create App Shortcuts

Tap the Launcher icon to see all of your apps. Touch and hold on the app you want to make a shortcut for. After the Home screen appears, drag the app shortcut to the location you want the shortcut to be on the Home screen, drag it to an app folder, or drag it left or right off the screen to move between Home screen panes. Release the icon to place it.



## Create App Folders

To create a new app folder, touch and hold the first app shortcut you want in your folder. When the Create Folder icon appears, drag the app shortcut to that icon and release it. After you give your app folder a name, the folder displays on your Home screen. Now you can drag other app shortcuts into that folder. To open the folder, touch it to reveal the shortcuts in that folder.

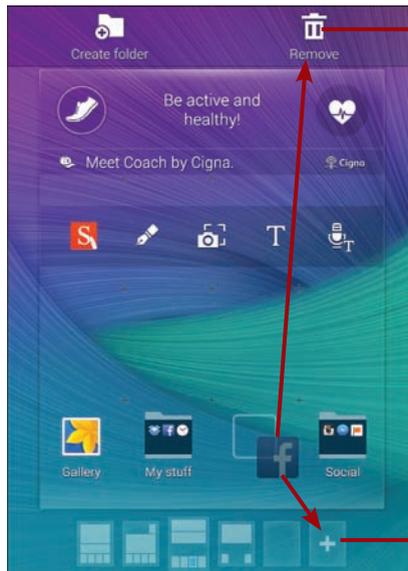


**Drag app shortcuts to an existing folder.**



## Create a New Home Screen Pane and Remove an App Shortcut

If you want to create a new Home screen pane, touch and hold an app shortcut icon. Drag your app shortcut icon to the Create Page icon, and the shortcut is placed on a brand-new Home screen pane. To remove an app shortcut icon, drag it to the Remove icon.



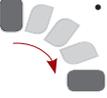
**Drag an app shortcut icon to the Remove icon to delete it from the Home screen pane.**



**Drag an app shortcut icon to the Create Page icon to put it on a new Home screen pane.**

## Use the Touchscreen

You interact with your Galaxy Note 4 mostly by touching the screen, which is known as making gestures on the screen. You can tap, swipe, pinch, touch and hold, double-tap, and type.

-  • **Tap**—To start an application, tap its icon. Tap a menu item to select it. Tap the letters of the onscreen keyboard to type.
-  • **Touch and hold**—Touch and hold to interact with an object. For example, if you touch and hold a blank area of the Home screen, a menu pops up. If you touch and hold an icon, you can reposition it with your finger.
-  • **Drag**—Dragging always starts with a touch and hold. For example, if you touch the Notification bar, you can drag it down to read all of the notification messages.
-  • **Swipe or slide**—Swipe or slide the screen to scroll quickly. To swipe or slide, move your finger across the screen quickly. Be careful not to touch and hold before you swipe or you will reposition something. You can also swipe to clear notifications or close apps when viewing the recent apps.
-  • **Double-tap**—Double-tapping is like double-clicking a mouse on a desktop computer. Tap the screen twice in quick succession. For example, you can double-tap a web page to zoom in to part of that page.
-  • **Pinch**—To zoom in and out of images and pages, place your thumb and forefinger on the screen. Pinch them together to zoom out or spread them apart to zoom in (unpinching). Applications such as Browser, Gallery, and Maps support pinching.
-  • **Rotate the screen**—If you rotate your Galaxy Note 4 from an upright position to being on its left or right side, the screen switches from Portrait view to Landscape view. Most applications honor the screen orientation. The Home screens and Launcher do not.

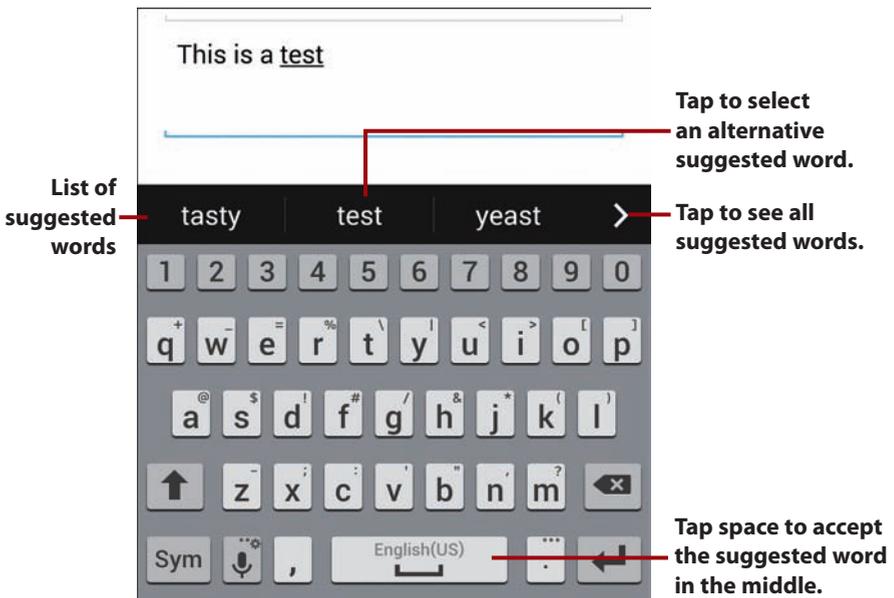
## Use the Keyboard

Your Galaxy Note 4 has a virtual or onscreen keyboard for those times when you need to enter text. You might be a little wary of a keyboard that has no physical keys, but you will be pleasantly surprised at how well it works.

Most applications automatically show the keyboard when you need to enter text. If the keyboard does not appear, tap the area where you want to type and the keyboard slides up, ready for use.



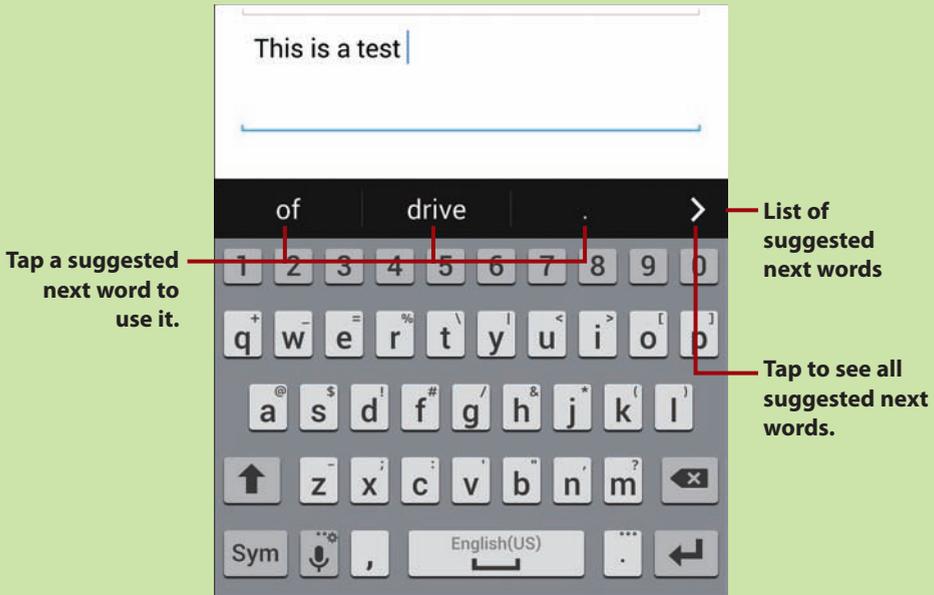
Using the virtual keyboard as you type, your Galaxy Note 4 makes word suggestions. Think of this as similar to the spell checker you would see in a word processor. Your Galaxy Note 4 uses a dictionary of words to guess what you are typing. If the word you were going to type is highlighted, tap space or period to select it. If you can see the word in the list but it is not highlighted, tap the word to select it.



## >>>Go Further

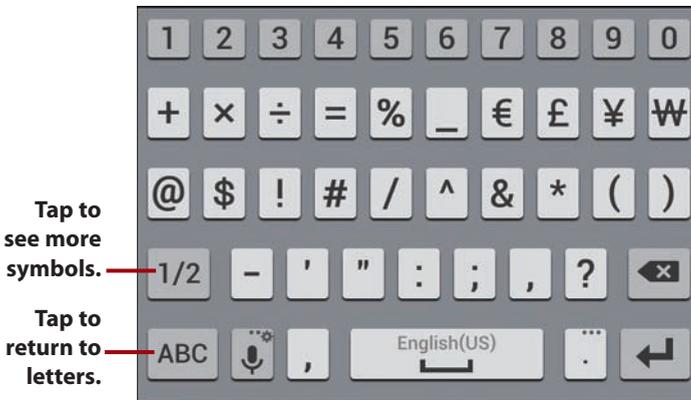
### NEXT WORD SUGGESTION

When you are between typing words, the keyboard tries to predict the next word you want to type. (In this example I typed "This is a test"; the keyboard is suggesting that the most obvious word I want to type next is "drive," but it is also showing that I might want to type "of" or end the sentence with a period.) All you need to do is tap the correct word, and the keyboard types it for you. If the keyboard is not showing a word that you want to use, simply continue typing. The more you type, the more the keyboard learns how you write and the better it will become at suggesting the next words you are likely to type.



To make the next letter you type a capital letter, tap the Shift key. To make all letters capitals (or CAPS), double-tap the Shift key to engage CAPS Lock. Tap Shift again to disengage CAPS Lock.

To type numbers or symbols, tap the Symbols key. When on the Numbers and Symbols screen, tap the Symbols key to see extra symbols. There are two screens of symbols. Tap the ABC key to return to the regular keyboard.



## Quick Access to Symbols

If you want to type commonly used symbols, touch and hold the period key. A small window opens with those common symbols. Tap a symbol to type it or tap the Sym icon to see all symbols.



To enter an accented character, touch and hold any vowel or the C, N, or S key. A small window opens enabling you to select an accented or alternative character. Slide your finger over the accented character and lift your finger to type it.



To reveal other alternative characters, touch and hold any other letter, number, or symbol.

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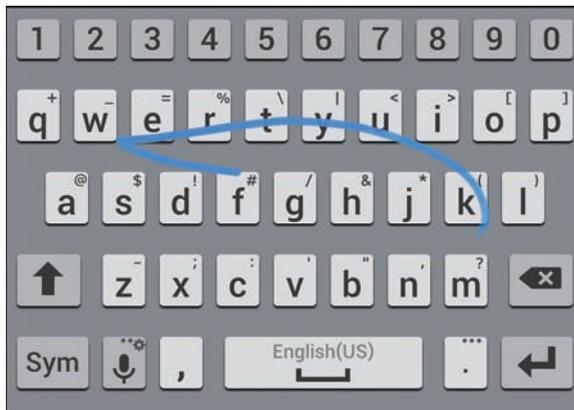
## Want a Larger Keyboard?

Turn your Galaxy Note 4 sideways to switch to a landscape keyboard. The landscape keyboard has larger keys and is easier to type on.



## Swipe to Type

Instead of typing on the keyboard in the traditional way by tapping each letter individually, you can swipe over the letters in one continuous movement. This is called Swiftkey Flow. It is enabled by default; to use it, just start swiping your finger over the letters of the word you want to type. Lift your finger after each word. No need to worry about spaces because your Galaxy Note 4 adds them for you. To type a double letter (as in the word *pool*), loop around that letter on the keyboard. As you swipe, a blue line trails your finger.



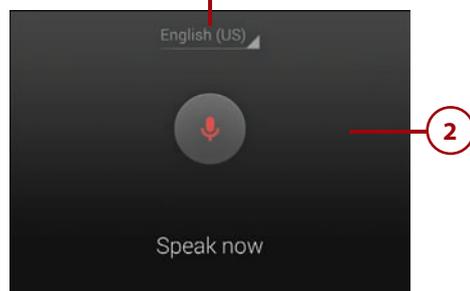
## Dictation—Speak Instead of Type

Your Galaxy Note 4 can turn your voice into text. It uses Google's speech recognition service, which means you must have a connection to the cellular network or a Wi-Fi network to use it.

1. Tap the microphone key.
2. Wait until you see Speak Now and start speaking what you want to be typed. You can speak the punctuation by saying "comma," "question mark," "exclamation mark," or "exclamation point."



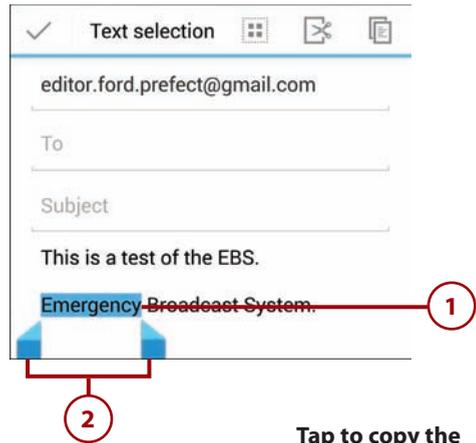
**Tap to select a different dictation language.**



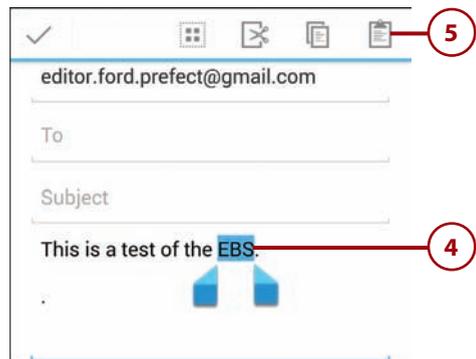
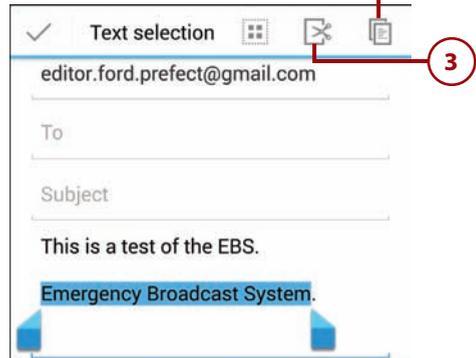
## Edit Text

After you enter text, you can edit it by cutting, copying, or pasting the text. This task describes how to select and cut text so you can paste over a word with the cut text.

1. While you are typing, touch and hold a word you want to copy.
2. Slide the blue end markers until you have selected all of the text you want to copy.
3. Tap to cut the text. Cutting text places it in the Clipboard, just like a Copy action would do.
4. Touch and hold the word you want to paste over.
5. Tap to paste what you cut earlier.

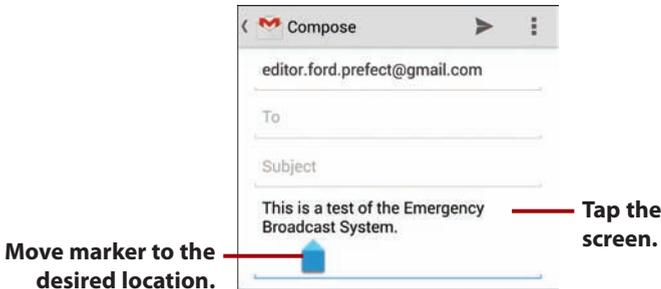


Tap to copy the selected text.



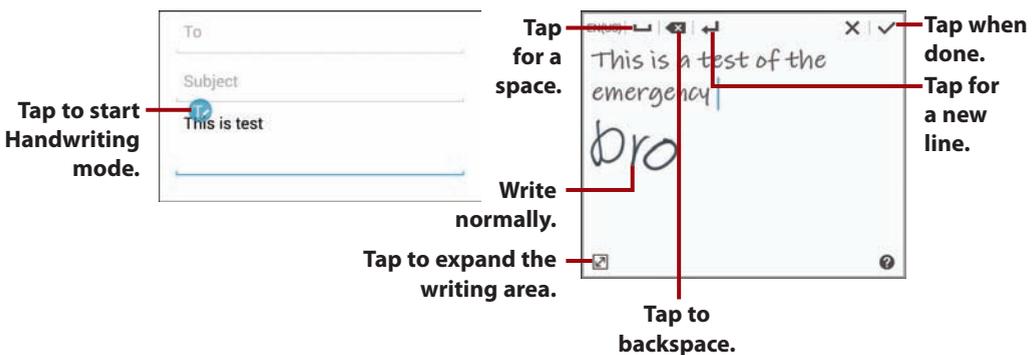
## Placing a Cursor

You can also simply place a cursor on the screen and move it around to do manual text editing, such as backspace to delete letters or manually insert a new word. To do this, tap the screen in the text area. A single blue marker displays; drag that marker to the point in the text you want to make changes to. Now start typing or tap backspace, and the action occurs at the cursor position.



## Writing Instead of Typing

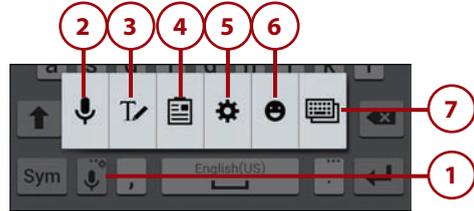
As discussed earlier in this chapter, your Galaxy Note 4 comes with the S Pen stylus. Instead of typing on the keyboard, you can use handwriting recognition to write. To enable Handwriting mode, pull out the S Pen from its holder and tap the Back key to dismiss the Air Command window. Then hover the S Pen over the screen in the text area until you see the handwriting icon. Tap the icon with your S Pen. Any text you have typed appears to be in handwriting. Now write in your own handwriting on the screen and it is turned into text. Tap Done to return to typing.



## Keyboard Tricks

You can write instead of typing, use emoticons (smiley faces), and enable a one-handed keyboard.

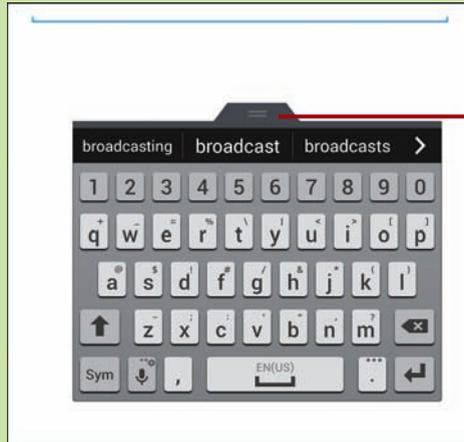
1. Touch and hold the microphone key (to the right of the Sym key).
2. Tap to use dictation.
3. Tap to use Handwriting mode.
4. Tap to see everything you have previously copied to the clipboard. If there is text, you can touch it to paste it at the cursor position.
5. Tap to change keyboard settings, including choosing a new keyboard.
6. Tap to type emoticons (smiley faces).
7. Tap to choose a one-handed keyboard.



## >>> Go Further

### ONE-HANDED TYPING

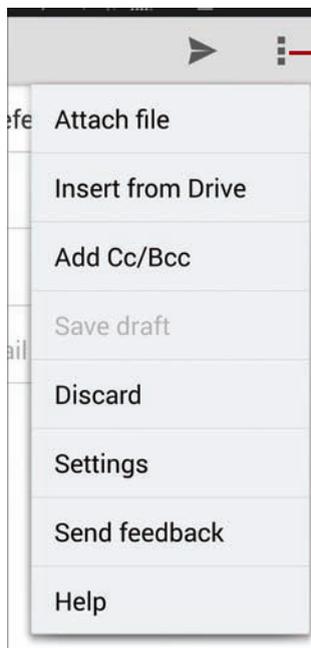
Your Galaxy Note 4 is a pretty large phone and unlike smaller phones that have 4-inch or 4.7-inch screens, you cannot type with one hand on your Galaxy Note 4. Samsung addresses this by enabling you to put the keyboard into one-handed typing mode. This mode squashes the keyboard so that you can type with one thumb. To enable one-handed mode, follow steps 1 and 7 in the “Keyboard Tricks” task. Drag the shrunken keyboard anywhere on the screen where it is comfortable for you to type with one hand. Repeat steps 1 and 7 in the “Keyboard Tricks” task to revert to the normal keyboard.



**Drag the keyboard.**

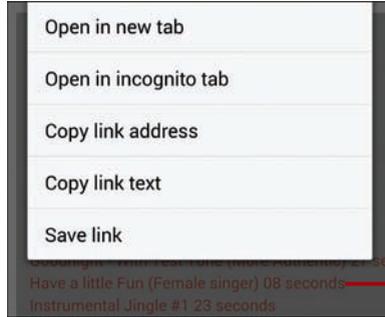
## Menus

Your Galaxy Note 4 has two types of menus: app menus and context menus. All applications use an app menu. To see the app menu, tap the Menu icon, which is normally on the top-right of the screen. As an alternative (but slower) method, you can touch and hold the Recents button to see the app menu.



**Tap to see the app menu.**

A context menu applies to an item on the screen. If you touch and hold something on the screen (in this example, a link on a web page), a context menu appears. The items on the context menu differ based on the type of object you touched.

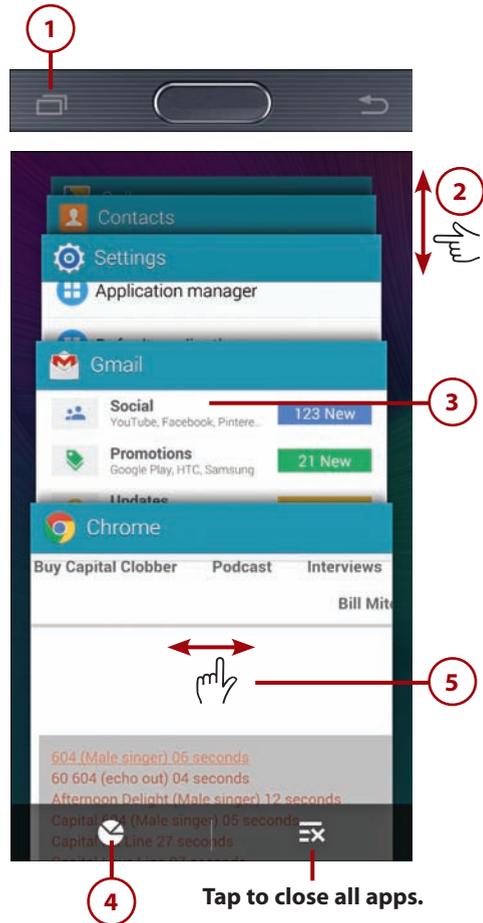


**Touch and hold a link to reveal the link context menu.**

## Switch Between Apps

You can switch between running apps as well as close apps using the multitasking feature.

1. Tap the Recents button (to the left of the Home button).
2. Scroll up and down the list of running apps.
3. Tap an app to switch to it.
4. Tap to see memory and processor usage for each active app.
5. Swipe an app left or right off the screen to close it.



**Tap to close all apps.**

## Run Multiple Apps on the Screen at the Same Time

Your Galaxy Note 4 has a feature called Multi Window that allows certain apps to run on the same screen at the same time. They can either run in a split-screen configuration, in multiple separate small windows, or a combination of both.

### Make Sure Multi Window Is Enabled

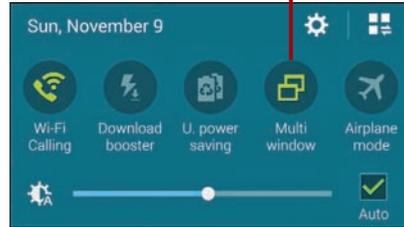
Before you start this section, make sure that Multi Window is enabled in the Quick Settings.

### Two Apps Together on a Split-Screen

This section explains how to run two apps at the same time in a split-screen configuration.

1. Touch and hold the Back button to see apps that support Multi Window.
2. Drag an app onto the screen and release it. Because this is the first app you are choosing, it fills the screen. The first app in this example is the S Note app.

Make sure this is green.



Scroll up and down to see all apps.



Tap to choose which page of a multipage app to use.

## Some Apps Want to Be Pop-up Apps

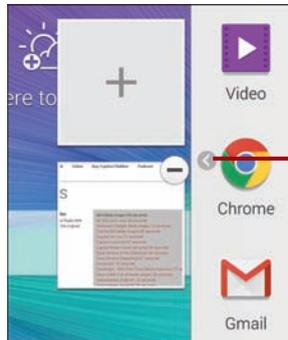
When you drag an app onto the screen in step 2, the app may only want to be a pop-up app. Pop-up apps start by running in a small separate window on the screen instead of either filling the top or bottom of the screen. Unfortunately it is not clear which apps always want to start in pop-up mode and which always start in split-screen mode. You can read more about pop-up apps in the next section.



**App wants to start as a pop-up app.**

## Multipage Apps

Some of the app icons have a small left arrow next to them. This indicates that the app is already running and has multiple pages open. An example of this is a web browser such as Chrome. You may have many different websites open, each in its own tab. If you tap the little arrow, you are able to choose which open pages you want to drag onto the multiwindow screen.



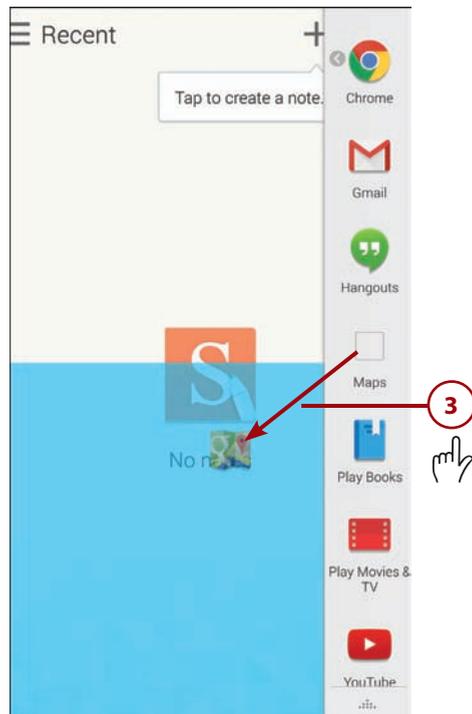
**Choose which page to use.**

## *It's Not All Good*

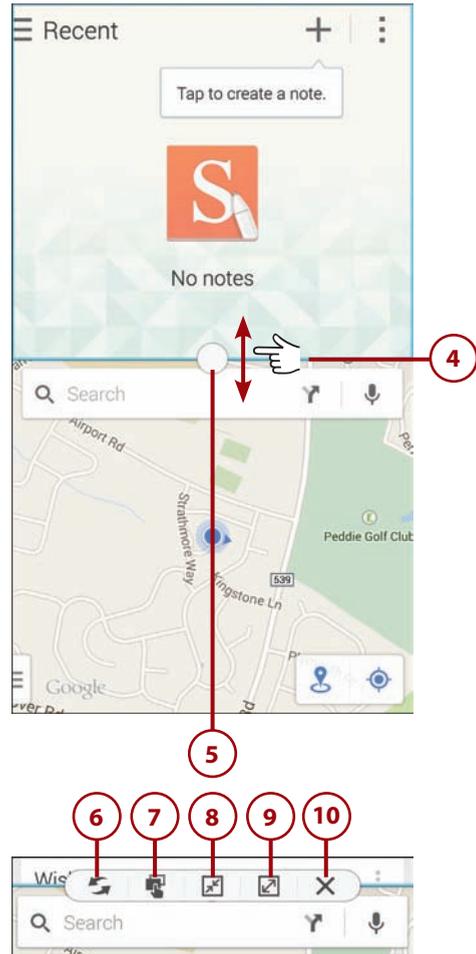
### **Not All Apps Support Multi Window**

Apps must be specially written to take advantage of Multi Window mode. This means that you might not see the apps you are looking for until the developer updates the app to support Samsung's Multi Window mode.

3. Drag another app to either the top or bottom half of the screen and release it. If the Multi Window pane on the right of the screen disappears before you do step 3, touch and hold the Back button to see it again.



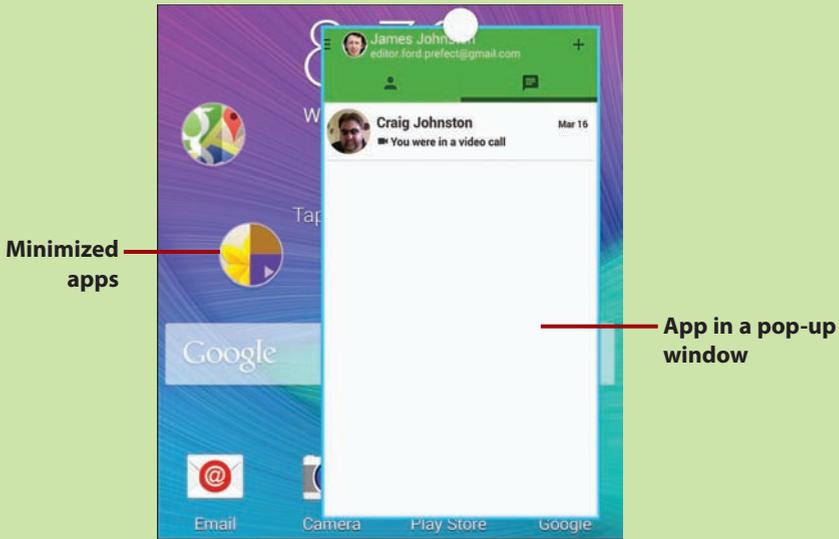
4. Drag the circle up or down to give more or less room to each app.
5. Tap the circle to reveal extra Multi Window features.
6. Tap to swap the position of the apps on the screen.
7. Tap to enable dragging content (such as text or an image) between windows.
8. Tap to minimize the selected app to a small draggable circle on the screen.
9. Tap to maximize the selected app to full screen.
10. Tap to close the app in the selected window.



## >>> Go Further

### MINIMIZED APPS

When you choose to minimize an app as shown in step 8, the app shrinks to a small circle on the screen. You can drag the minimized app anywhere on the screen. If you touch and hold the app, a trash can icon appears; drag the app to the trash can to close the app. If you tap the minimized app, it enlarges to a pop-up window instead of maximizing back to its original window in the split screen. You can then continue working on the app in its small window. Minimized apps continue to be shown no matter what screen you are on and what app you are running.



---

## More Than One App in Each Window

When you use Multi Window, the screen is split into two windows—one at the top and one at the bottom. As previously shown, you can drag an app to either the top or bottom window. You can actually drag more than one app into each window. Follow steps 1–3 and simply drag the new app on top of the one that's already there. The only downside to this is that you can only work with the last app that was dragged to the window. Even though the previous apps are there and running, you cannot switch to them. Your only course of action is to close the app on top and continue working on the previous app in the same window.

---

## >>>Go Further

### PRESETTING PAIRS OF APPS

You can create preset pairs of apps. This enables you to quickly open two apps on the screen without first dragging them onto the screen manually each time you open Multi Window. To do this, open the two apps that you want to work with (if you have more than one app in each window, only the one visible is added to the pair). Tap the Multi Window up arrow and tap Create. A new icon is added to

the list of Multi Window apps with the name of both apps. In the future when you open the Multi Window list, your preset app pairs will be right at the top.



## Installing Synchronization Software

Because your Galaxy Note 4 is tightly integrated with Google and its services, all media that you purchase on your phone is stored in the Google cloud and accessible anywhere, anytime. However, you might have a lot of music on your computer and need to copy that to your Google cloud. To do that, you need to install the Google Music Manager software or the Android File Transfer app for your Mac to copy any files back and forth.

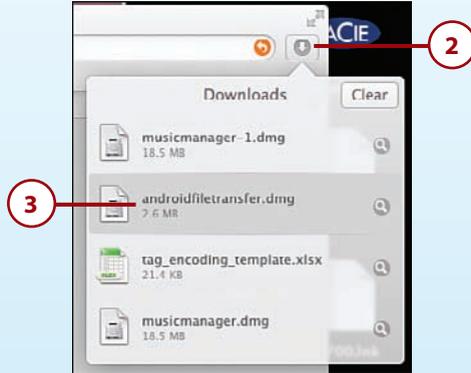
### Install Android File Transfer (Apple Mac OS X)

You only need the Android File Transfer app when using a Samsung Android phone (such as your Galaxy Note 4) on an Apple Mac running OS X.

1. From your Mac, browse to <http://www.android.com/filetransfer/> and download the Android File Transfer app.



- Click the Downloads icon.
- Double-click the app in your Safari Downloads.



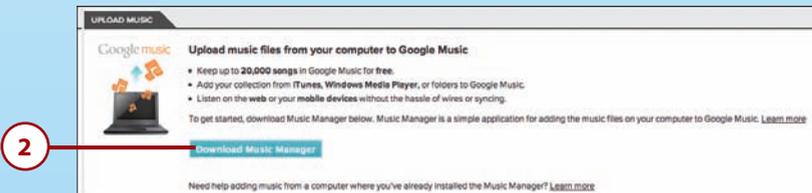
- Drag the green Android to the Applications shortcut to install the app.



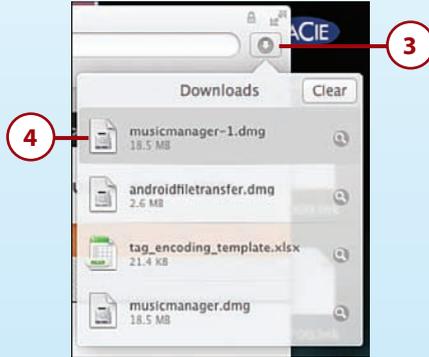
## Install Google Music Manager (Apple Mac)

Don't install Google Music Manager unless you plan to upload files from your computer to the Google Music cloud.

- Visit [https://music.google.com/music/listen#manager\\_pl](https://music.google.com/music/listen#manager_pl) from your desktop web browser and log in to your Google account if you're prompted.
- Click to download Music Manager.



3. Click the Downloads icon.



4. Double-click the app in your Safari Downloads.
5. Drag the Music Manager icon to the Applications shortcut to install the app.



6. Double-click the Music Manager icon in the Applications folder.

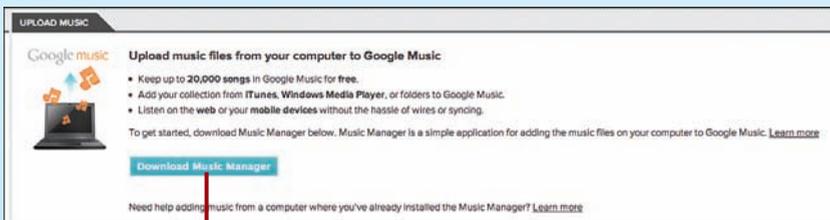


7. Skip to the "Configure Music Manager" section to complete the installation.

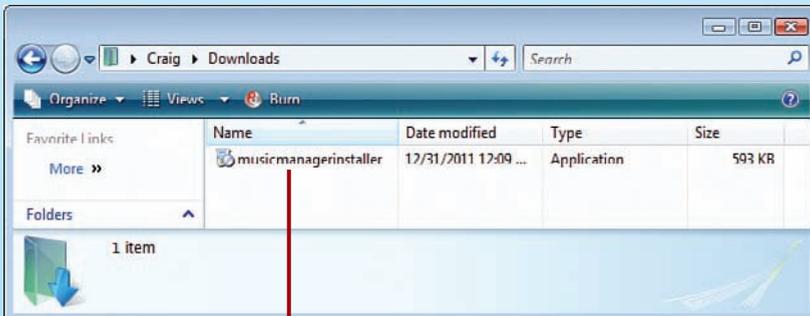
## Install Google Music Manager (Windows)

Don't install Google Music Manager unless you plan to upload files from your computer to the Google Music cloud.

1. Visit [https://music.google.com/music/listen#manager\\_pl](https://music.google.com/music/listen#manager_pl) from your desktop web browser and log in to your Google account if you're prompted.
2. Click to download Music Manager.



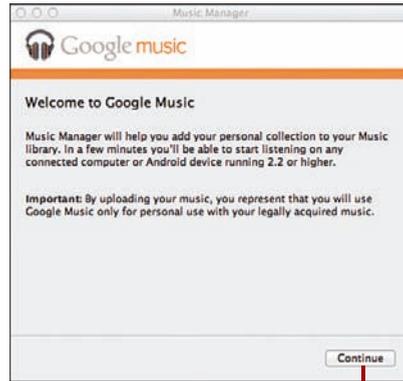
3. Double-click the app in your Downloads folder.



4. Skip to the "Configure Music Manager" section to complete the installation.

## Configure Music Manager (Windows and Apple Mac)

1. Click Continue.
2. Enter your Google (Gmail) email address.
3. Enter your Google (Gmail) password.
4. Click Continue.
5. Choose where you keep your music.
6. Click Continue.



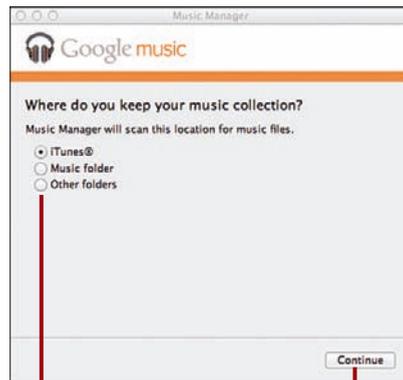
1



2

3

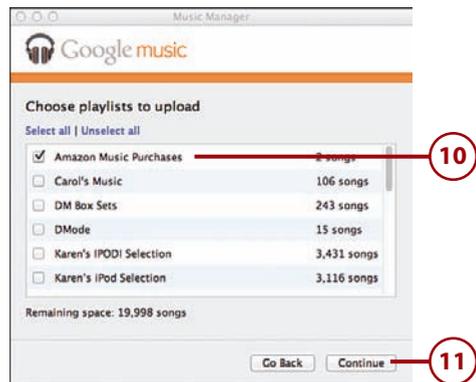
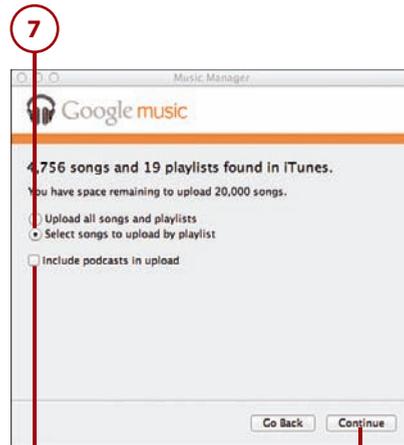
4



5

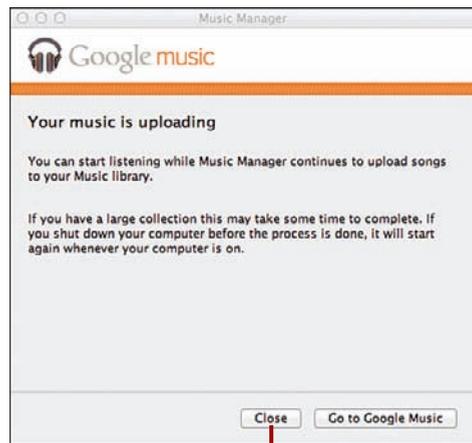
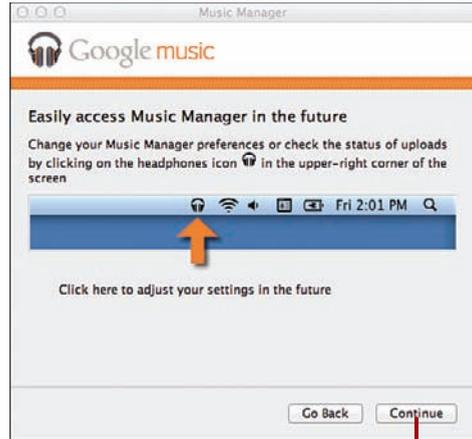
6

7. Choose whether to upload all of your music or just some of your playlists. Remember that you can only upload 20,000 songs for free. Skip to step 12 if you chose to upload all music.
8. Check if you want to also upload podcasts.
9. Click Continue.
10. Select one or more playlists of music.
11. Click Continue.
12. Choose whether you want to automatically upload any new music that is added to your computer.



13. Click Continue.

14. Click Close.



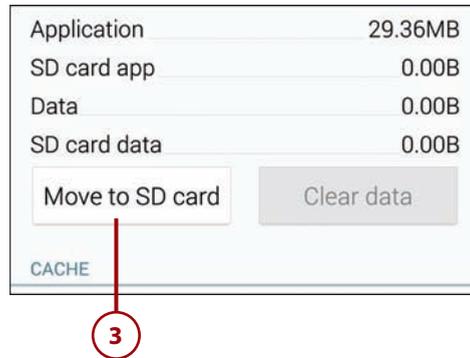
## Freeing Up Memory

If you have installed a Secure Digital card (SD card), then you have the ability to move media and parts of some apps to the SD card to free up memory on your Note 4.

## Move Apps

Not all apps support being moved to the SD card (external memory), and even apps that do support this feature only move part of themselves to the SD card.

1. Touch and hold an app you want to move to the SD Card.
2. Drag the app to the App Info icon.
3. Tap Move to SD card.



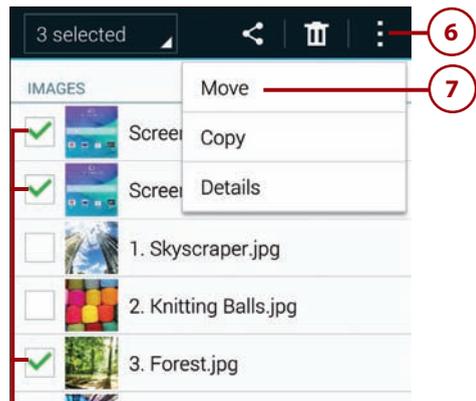
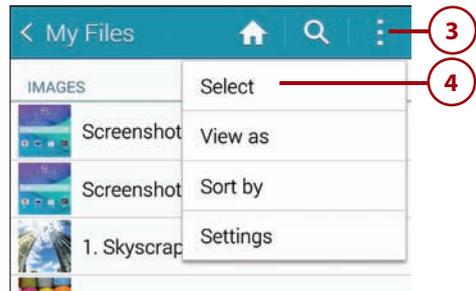
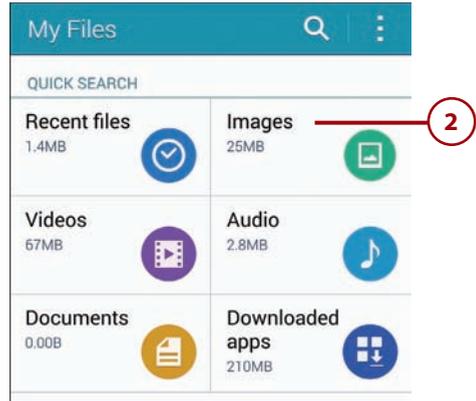
## Move Media

Using the My Files app, you can move audio, photos, and video to the SD card to free up memory on your Note 4.

1. Tap the My Files app icon.



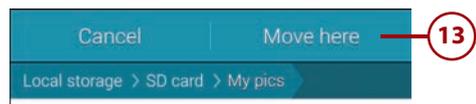
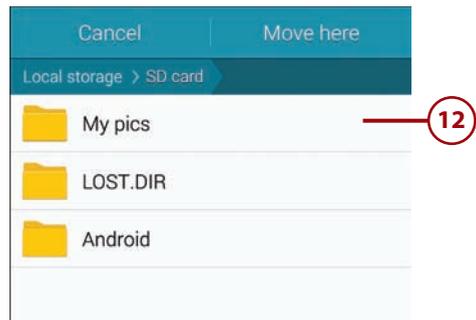
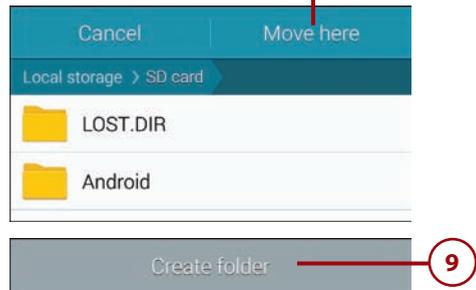
2. Tap the media type that you want to move. This example uses Images.
3. Tap the Menu icon.
4. Tap Select.
5. Select one or more files.
6. Tap the Menu icon.
7. Tap Move.



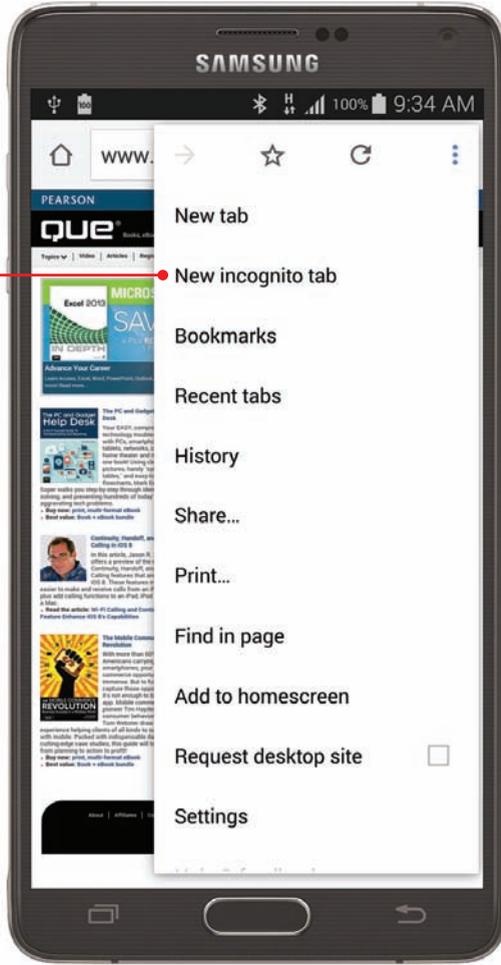
8. Tap SD Card.
9. Tap Create Folder to create a new folder to store your images.
10. Enter a name for the new folder.
11. Tap Create.
12. Tap the new folder you just created.
13. Tap Move Here.



Tap to just move the files here.



Browse without leaving traces using the Incognito feature.



In this chapter, you discover how to browse the World Wide Web using the Chrome browser app that comes with your Galaxy Note 4. Topics include the following:

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- Bookmarking websites
- Using tricks to browse quickly
- Keeping track of websites you have visited
- Configuring Chrome to work your way

# 3

## Browsing the Web

Your Galaxy Note 4 comes with not one but two web browsers to enable you to explore the Web on its large screen. This chapter shows you how to use Chrome, a browser developed by Google. Your Galaxy Note 4 also includes the browser usually called simply Internet, but sometimes called (arguably even more simply) Browser, which is developed by Samsung.

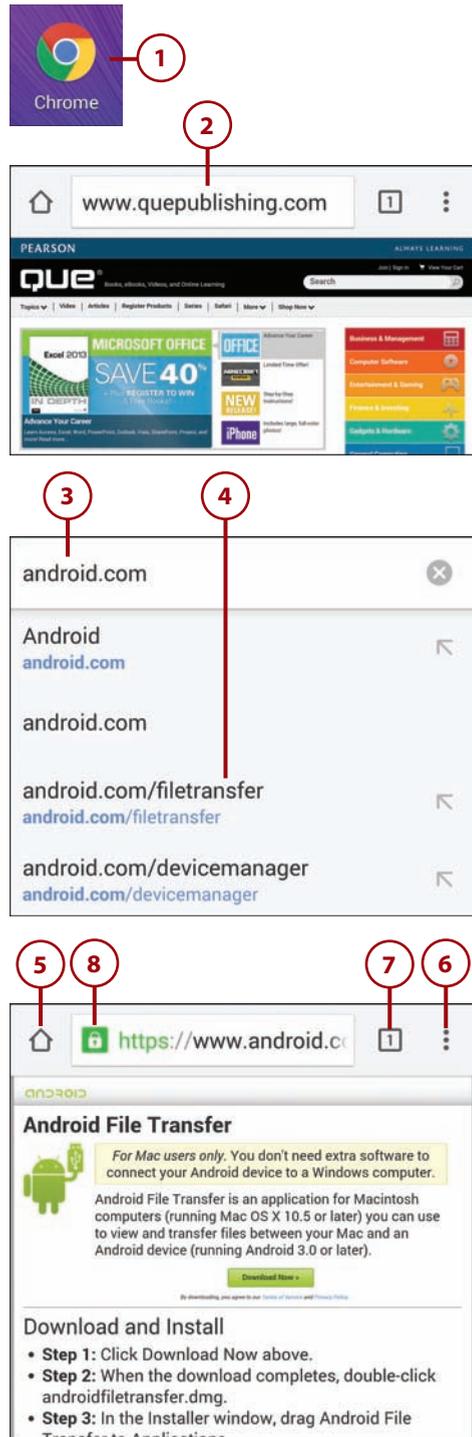
Chrome is fast and easy to use. You can bookmark sites you want to revisit, hold your Galaxy Note 4 in landscape orientation so you can see more on the screen, and optionally share your GPS location with sites.

## Navigating with Chrome

The Chrome browser app enables you to access sites quickly, bookmark them for future use, and return instantly to the sites you visit most frequently. You can even sync your open Chrome tabs among your Galaxy Note 4, your other portable devices, and your computer.

## Go to a Web Page by Typing Its Address

1. Touch the Chrome icon on the Apps screen. Alternatively, if the Chrome icon appears on the Home screen, touch it there; it might be in the Google folder on the Home screen. Chrome opens and displays either your home page (as in the example shown here) or the last page you visited.
2. Touch the omnibox—a combined address box and search box—to select its contents. If the website has moved the previous page up so that the omnibox is hidden, drag the web page down so that the omnibox appears again.
3. Type the web address, such as **android.com**. Chrome displays any matching results.
4. Tap the result for the web page you want to display. The web page appears.
5. Tap Home to go back to your home page.
6. Tap the Menu button to display the menu, which contains many commands. The next section explains these commands.
7. Tap the Tabs button to display the Tabs screen. You use this screen to open new tabs, switch among open tabs, and close tabs you no longer need.
8. If the square green icon bearing a white padlock appears, tap it to display the security information for the website. See the nearby sidebar for more details.

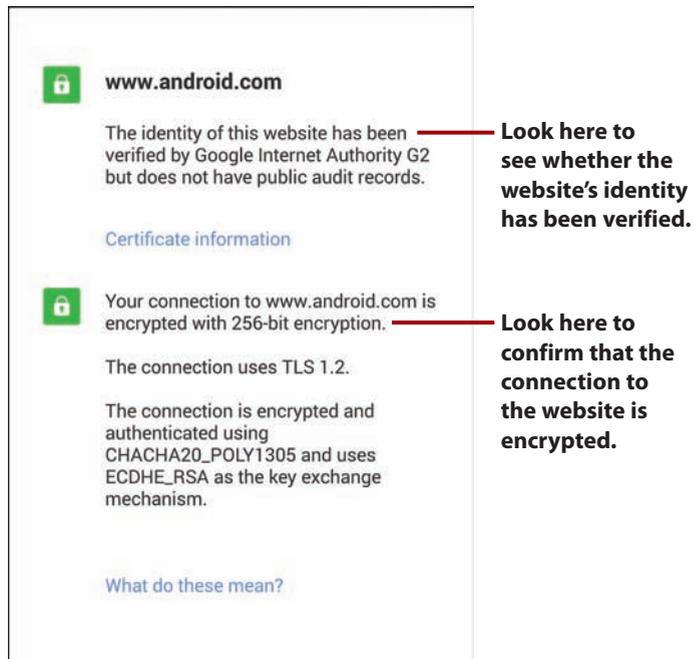


## What Does the Green Icon with the White Padlock Mean?

The green icon with the white padlock appears when Chrome has established a secure connection to the website. The omnibox shows the address here starting with `https://` to indicate that the connection uses Hypertext Transfer Protocol Secure (HTTPS) instead of regular Hypertext Transfer Protocol (HTTP), which is not secure. Chrome uses technologies called Secure Sockets Layer (SSL) and Transport Layer Security (TLS) to secure the connection using encryption.

When you connect to any site with which you will exchange private or sensitive information, it is best to make sure that the padlock icon appears. But because of the recent furor over government surveillance of the Internet, more and more websites are using encryption as a matter of course, so don't be surprised to see the padlock icon for "regular" websites.

You can tap the padlock icon to display a pop-up window containing details about the website's identity and the security of your connection to it.



 **www.android.com**

The identity of this website has been verified by Google Internet Authority G2 but does not have public audit records.

[Certificate information](#)

 Your connection to `www.android.com` is encrypted with 256-bit encryption.

The connection uses TLS 1.2.

The connection is encrypted and authenticated using CHACHA20\_POLY1305 and uses ECDHE\_RSA as the key exchange mechanism.

[What do these mean?](#)

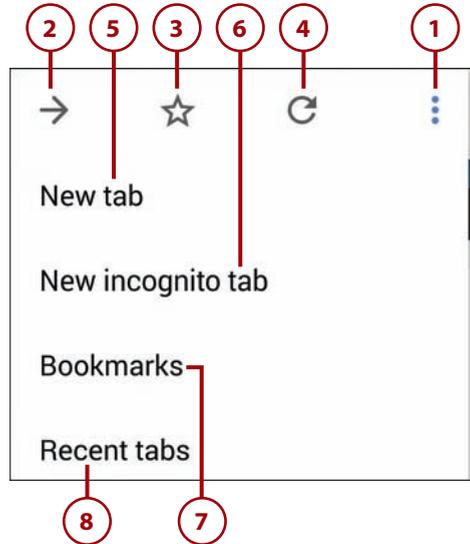
**Look here to see whether the website's identity has been verified.**

**Look here to confirm that the connection to the website is encrypted.**

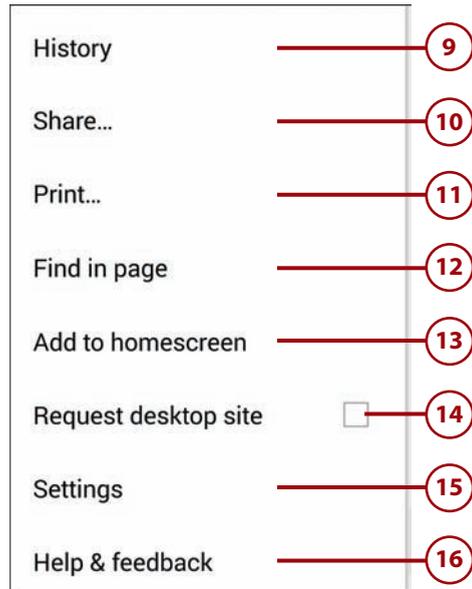
## Web Page Options

While a web page is open, you have a number of options, such as opening a new tab, creating a bookmark for the page, and finding text on the page.

1. Tap the Menu button to display the menu.
2. Tap the Forward button to return to the previous web page from which you have gone back on this tab. The Forward button is available only when you have visited multiple pages on this tab and gone back from at least the last page, by tapping the Back button, to an earlier page.
3. Tap the Bookmark star to add a bookmark for this page.
4. Tap the Refresh icon to refresh the display of the current web page. You'd normally do this either if a page failed to load completely or to load updated information, such as fresh news.
5. Tap New Tab to open a new tab.
6. Tap New Incognito Tab to open a new Incognito tab for private browsing. Incognito tabs are covered later in this chapter.
7. Tap Bookmarks to display your bookmarks.
8. Tap Recent Tabs to display your Recent Tabs list. This list includes the Other Devices list, which gives you access to recent tabs on other devices with which you sign in to the same Chrome account.



9. Tap History to display the History screen, which contains a list of the pages you have visited on your Galaxy Note 4.
10. Tap Share to share this web page with other people using apps such as Email, Gmail, Facebook, Messaging, and Twitter. The Share Via dialog shows all the apps you can use to share the web page.
11. Tap Print to start the process of printing the current page.
12. Tap Find in Page to search this page for specific text you type.
13. Tap Add to Homescreen to display the Add to Homescreen dialog. You can then type the name to give the icon that Android adds to the Home screen. You can then tap this icon to go straight to the website in your default browser, such as Chrome.
14. Tap Request Desktop Site to enable or disable forcing websites to show the regular view of a web page designed for full-size screens instead of a mobile view designed for small screens. When you change this setting, Chrome reloads the page, displaying the desktop version if it is available.
15. Tap Settings to change the settings for the Chrome browser.
16. Tap Help & Feedback to get help or to vent your frustrations with Chrome.



## Browser Tricks

The Chrome browser app has some neat tricks to help you browse regular websites comfortably on your Galaxy Note 4's screen.

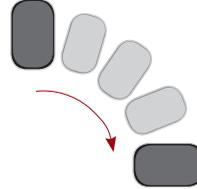
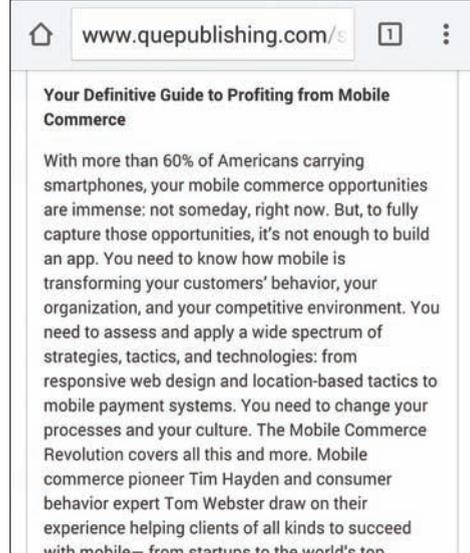
1. Rotate your Galaxy Note 4 so that its long edge is sideways. This puts the screen into what's called *landscape orientation*. Your Galaxy Note 4 automatically switches the screen to landscape mode.

### Why Won't My Screen Rotate?

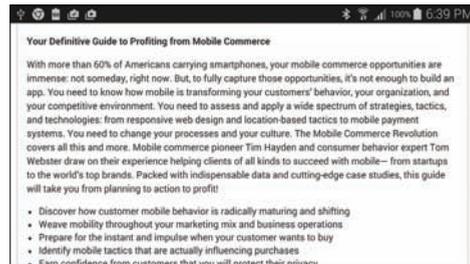
If Chrome does not switch to landscape mode when you rotate the Galaxy Note 4, you need to turn on screen rotation. Pull down the Notifications panel and tap the Screen Rotation icon in the Quick Settings bar, turning the arrow green.

2. If necessary, double-tap the screen to zoom in and out. You can also place your thumb and forefinger on the screen and spread them apart to zoom in or pinch them together to zoom out.

### Portrait



### Landscape

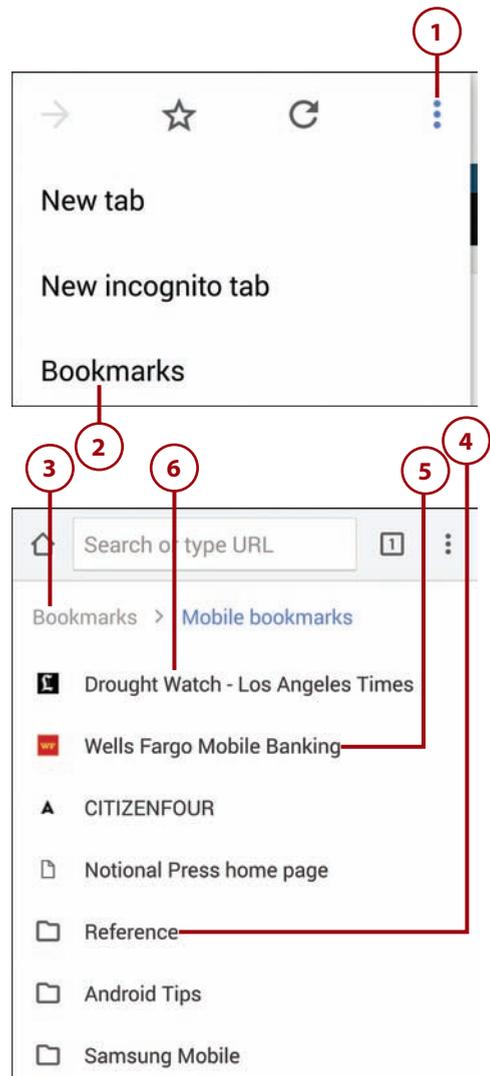


# Using Bookmarks, Recent Tabs, and History

Chrome enables you to bookmark your favorite websites for quick access, but it also keeps a list of the sites you visit most often so you can return to them at the tap of an icon. Chrome also syncs your recent tabs among your devices that run Chrome and sign in to the same Google account, so you can quickly pick up browsing on your Galaxy Note 4 exactly where you left it on your desktop computer, laptop, or tablet—or vice versa.

## Manage Bookmarks

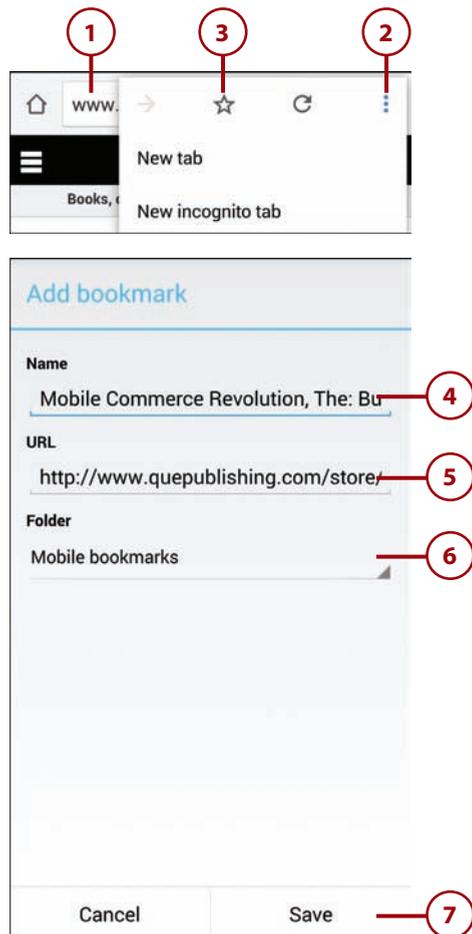
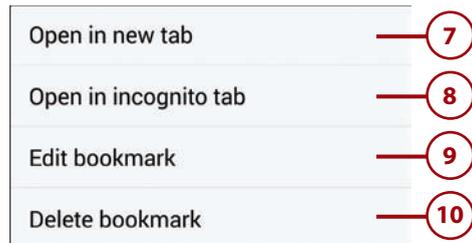
1. Tap the Menu button.
2. Tap Bookmarks. Normally, the Mobile Bookmarks folder opens. If not, you can navigate to it manually.
3. Tap Bookmarks to display the main Bookmarks folder. From there, you can tap a bookmark it contains or another bookmarks folder.
4. Tap a bookmarks folder to display the bookmarks it contains.
5. Tap a bookmark to display the web page it marks.
6. Tap and hold a bookmark to display a menu of extra actions you can take with it.



7. Tap Open in New Tab to open the bookmarked web page in a new tab.
8. Tap Open in Incognito Tab to open the bookmark in an Incognito tab.
9. Tap Edit Bookmark to edit the bookmark. For example, you can change the bookmark's name or move it to a different folder.
10. Tap Delete Bookmark to delete the bookmark.

## Create a Bookmark

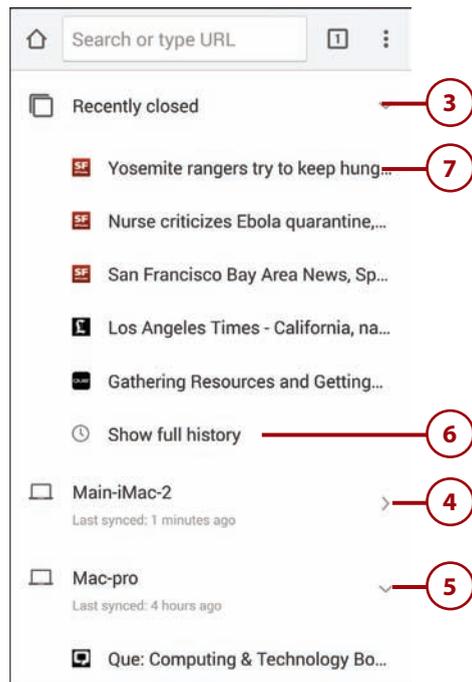
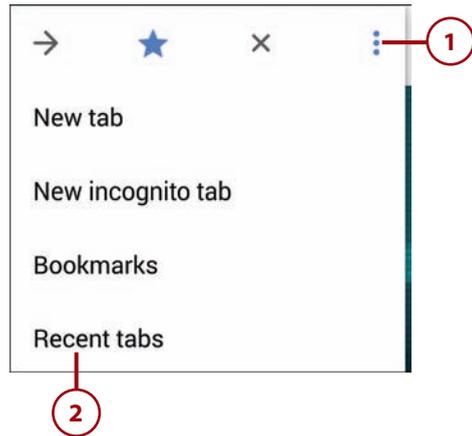
1. Navigate to the page you want to bookmark.
2. Tap the Menu button to open the menu.
3. Tap the Bookmark star to start creating a new bookmark.
4. Change the bookmark name if you want to. The default is the web page's title; you might prefer a shorter name.
5. Edit the address if necessary. If you went to the right page in step 1, you do not need to change the address.
6. Select the folder in which to save the bookmark. You can create new folders as needed by tapping New Folder on the Choose a Folder screen.
7. Tap Save.



## Go to a Web Page Using the Recent Tabs List

Chrome's Recent Tabs list enables you to go back to web pages that you have opened recently on either your Galaxy Note 4 or any other device on which you log Chrome in to the same Google account, such as your Android tablet or your PC or Mac.

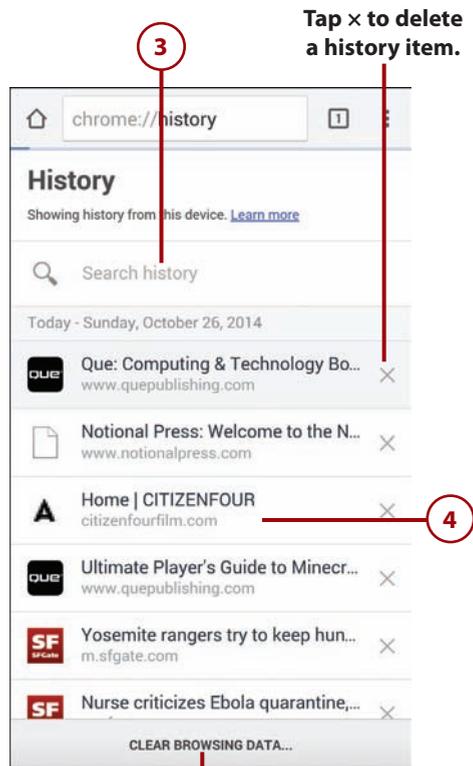
1. Tap the Menu button.
2. Tap Recent Tabs to display the Recent Tabs screen.
3. Look at the Recently Closed list to see tabs you've recently closed on your Galaxy Note 4.
4. Tap a sideways caret on a heading to expand the list of tabs the computer or device contains.
5. Tap a downward caret on a heading to collapse the list of tabs.
6. Tap Show Full History to display the full history of Chrome browsing on your Galaxy Note 4.
7. Tap a tab to display the web page.



## Go to a Web Page Using Your History

Chrome's History list enables you to go back to web pages that you have opened in Chrome on your Galaxy Note 4. The History list contains both pages you have bookmarked and pages you have not bookmarked.

1. Tap the Menu button.
2. Tap History to display the History screen.
3. Tap Search History to search through your history using keywords.
4. Tap the button for the page you want to display.

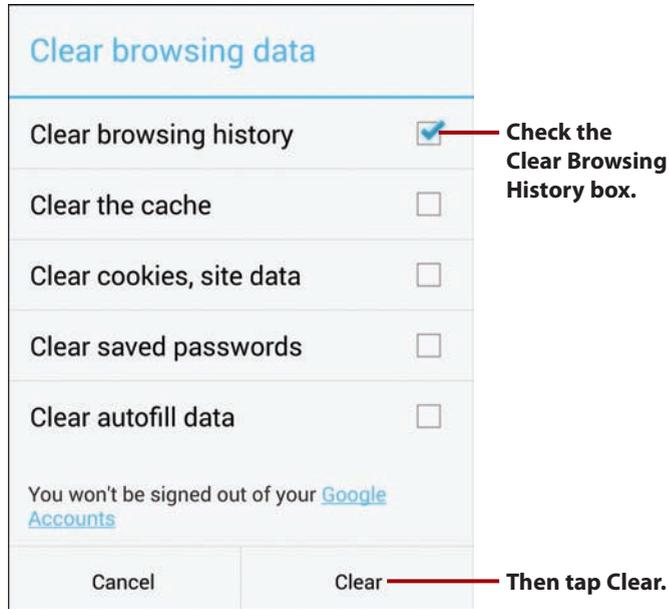


Tap x to delete a history item.

Tap Clear Browsing Data to clear all your history.

## Delete Individual History Items—or All History Items

Given the nature of the Web, it's easy enough to browse to a site that you don't want to keep in your history. When this happens, tap the Menu button, tap History, and then tap the × icon on the right side of the button for the item you want to remove.

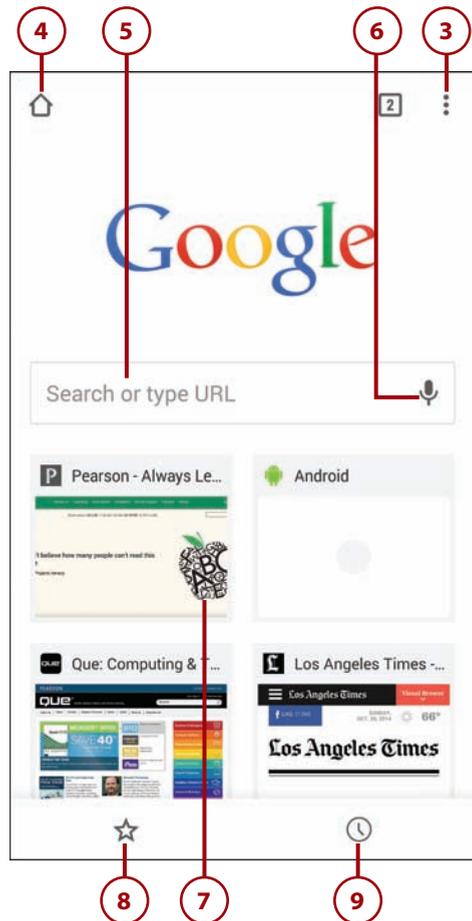
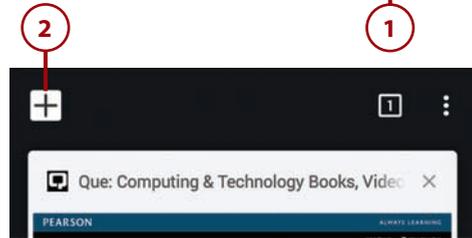


If you want to get rid of all your history items, tap Clear Browsing Data to open the Clear Browsing Data screen. Check the Clear Browsing History box and tap Clear to delete your history. From the Clear Browsing Data screen, you can also clear other browsing data than your history; we'll look at your options later in this chapter.

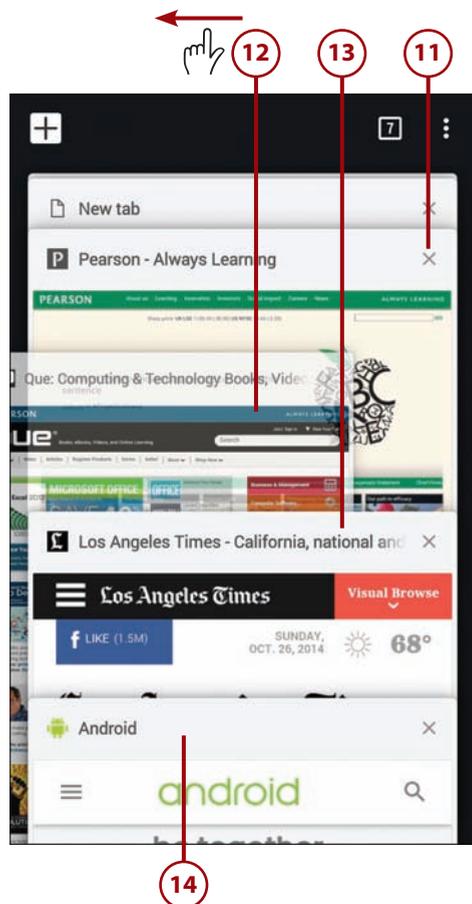
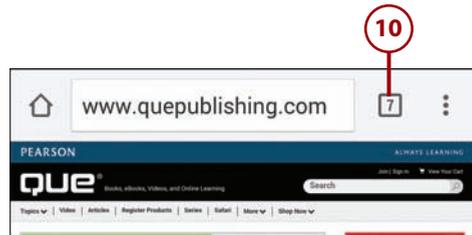
## Browsing with Multiple Tabs

Chrome can have multiple web pages open at the same time, each in a different tab. This enables you to open multiple web pages at once and switch between them.

1. Tap the Tabs icon to display the Tabs screen.
2. Tap New Tab (+) to open a new tab displaying the New Tab screen.
3. Tap the Menu button to navigate to a web page via the menu. For example, you may want to tap History on the menu so that you can navigate to a web page you visited earlier.
4. Tap Home to display your home page in the new tab.
5. Tap Search or Type URL to search using the search engine shown.
6. Tap the microphone icon to perform a voice search.
7. Tap one of the Most Visited site thumbnails to visit that site's default page.
8. Tap the Bookmarks star to display the Bookmarks screen, from which you can go to a bookmark.
9. Tap the Recent Tabs icon to display the Recent Tabs screen, from which you can go to a web page you have visited recently in Chrome using this Google account.



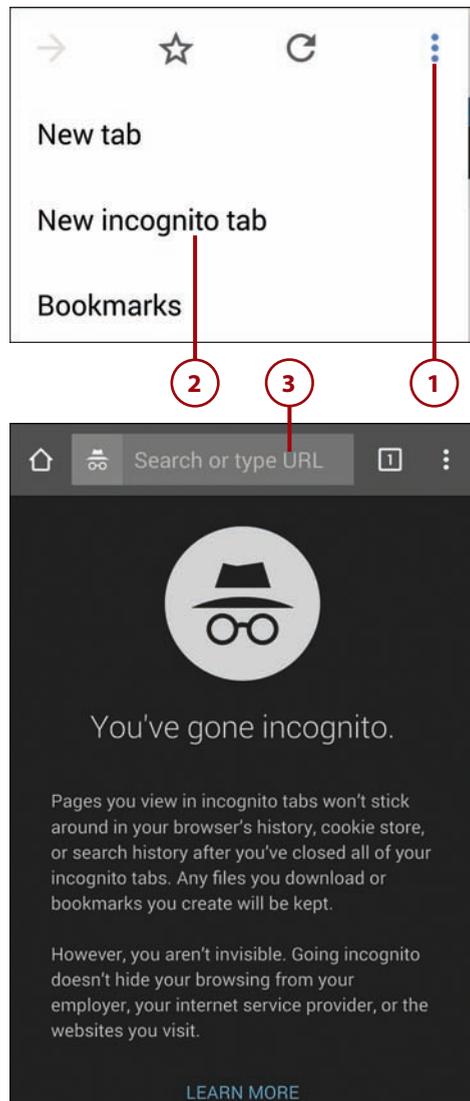
10. After opening multiple tabs, tap the Tabs icon to display the Tabs screen.
11. Tap × to close a tab.
12. Swipe a tab left or right off the list to close it.
13. Tap and pull down or up to display more or less of the tabs. You can also tap and hold a tab to display more of the tab.
14. Tap the tab you want to display.



## Browsing in Secret with Incognito Tabs

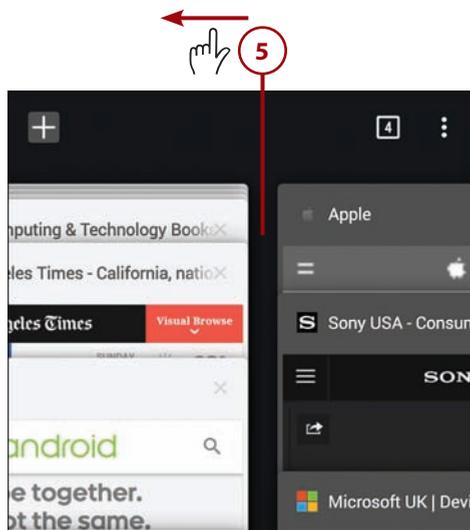
If you want to visit a website in secret, you can use Incognito tabs. Incognito is a special mode that means that the web pages you visit don't appear in your browser history or search history and do not leave traces on your Galaxy Note 4 unless you create bookmarks for the pages or download files from them.

1. Tap the Menu button.
2. Tap New Incognito Tab. Chrome displays the Incognito screen for new tabs, which shows the "You've gone incognito" message.
3. Navigate to the web page using normal means. For example, tap Search or Type URL and type your search terms; then tap the appropriate search result.



4. When you want to switch tabs, tap the Tabs icon to display the Tabs screen.
5. Tap and drag the border between the gray Incognito tabs and the light-shaded regular tabs to switch from your Incognito tabs to your regular tabs.

**The Incognito icon and dark control area show you are using Incognito mode.**



## *It's Not All Good*

### **Incognito Mode Doesn't Make You Anonymous**

If you use Incognito mode, it's important you understand its limitations. Incognito mode keeps the web pages you visit out of your browser history and search history so they don't appear either on your Galaxy Note 4 or on other devices on which you use Chrome with the same Google account.

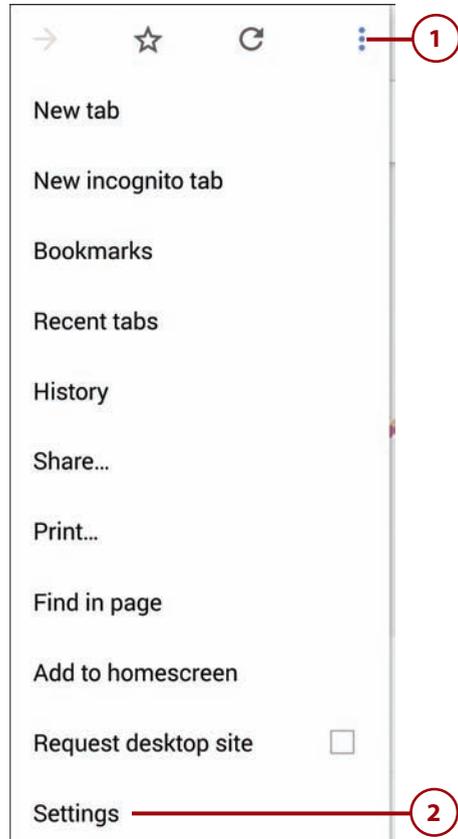
However, Incognito mode doesn't make you anonymous on the Web. Your ISP can still see, and may well store, the details of your web browsing in Incognito mode. Worse, government agencies may be able to extract this information from your ISP.

## Customizing Browser Settings

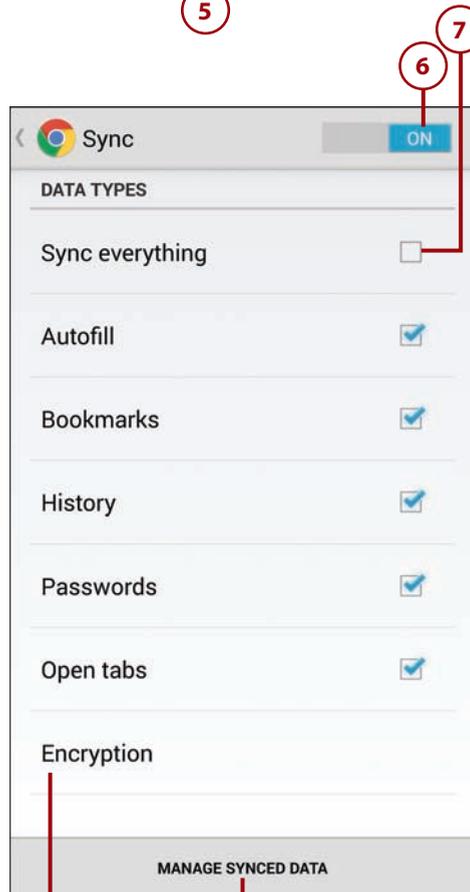
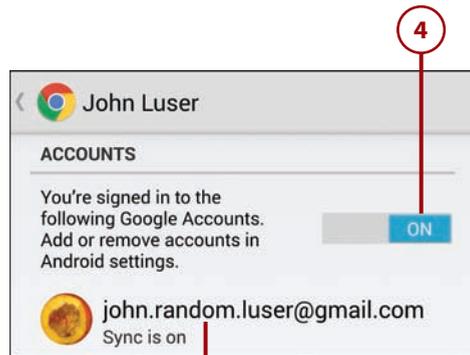
You can customize Chrome to make it behave the way you want. Chrome has a wide range of settings, which it breaks up into the categories Basics and Advanced. Chrome also enables you to choose settings for syncing your data among the computers and devices that log in to your Google account.

### Choose Sync Settings

1. Tap the Menu button.
2. Tap Settings to display the Settings screen.
3. Tap your Google account name.

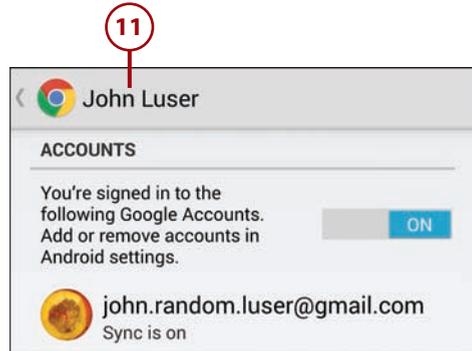
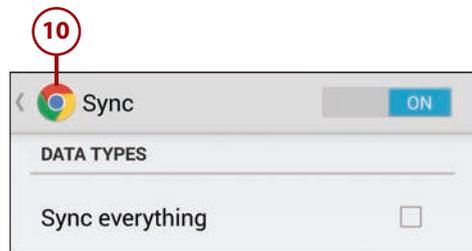
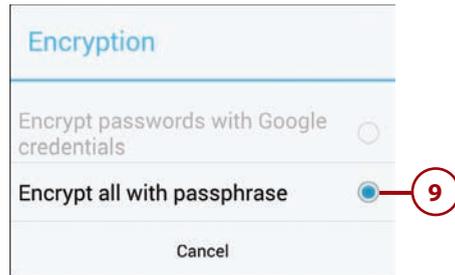


4. Move the Accounts switch to On if you want to sign in to your account or to Off if you don't want to sign in.
5. Tap your Google account's email address to display the Sync screen.
6. Move the Sync switch to On or Off, as needed. To get the most out of Chrome, set the switch to On, as in this example, and then choose which items to sync.
7. Check the Sync Everything box if you want to sync all the available items. Otherwise, check the Autofill box, the Bookmarks box, the History box, the Passwords box, and the Open Tabs box as needed.
8. Tap Encryption to display the Encryption dialog.



**8** Tap Manage Synced Data to display the Chrome Sync page of configuration options.

9. Tap the Encrypt All with Passphrase radio button and then enter the passphrase when prompted. Make sure your password is strong enough by using at least eight characters (preferably 12 to 20), combining uppercase and lowercase letters with numbers and symbols (such as \$ or %), and avoiding any word or misspelling of a word in any language.
10. Tap Sync or the Back button to return to the account screen.
11. Tap your name or the Back button to return to the Settings screen.



---

## Why (and How) You Should Encrypt Your Chrome Sync Data

Browsing the Web often involves private or sensitive data, even when you don't buy anything or do anything embarrassing. So it is a good idea to encrypt your Chrome sync data to prevent others from being able to read it if they intercept it.

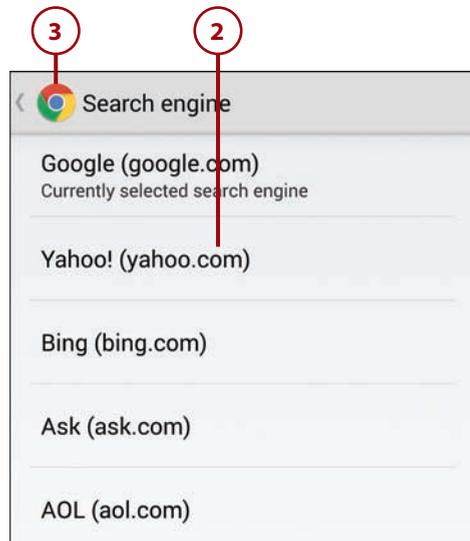
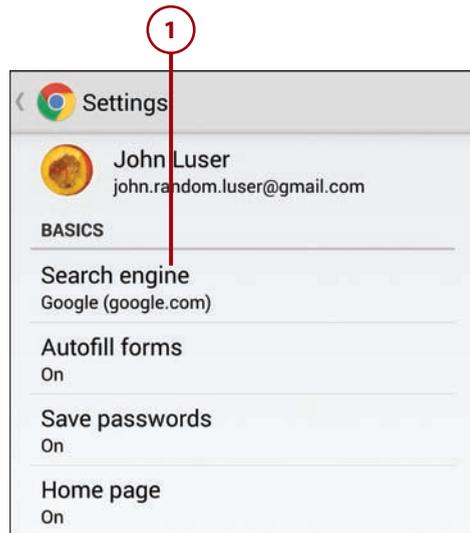
The Encryption dialog contains two options: the Encrypt Passwords with Google Credentials radio button and the Encrypt All with Passphrase radio button. At this writing, the Encrypt Passwords with Google Credentials radio button is not usually available, so your only choice is the Encrypt All with Passphrase radio button. This is the better choice anyway, because it encrypts all the data that Chrome syncs instead of encrypting only the passwords.

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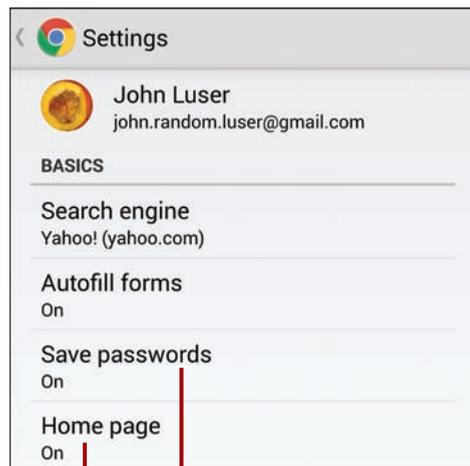
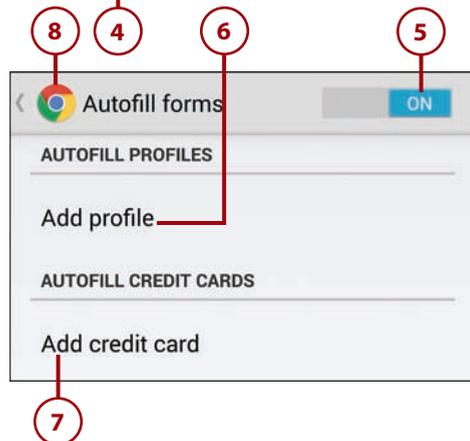
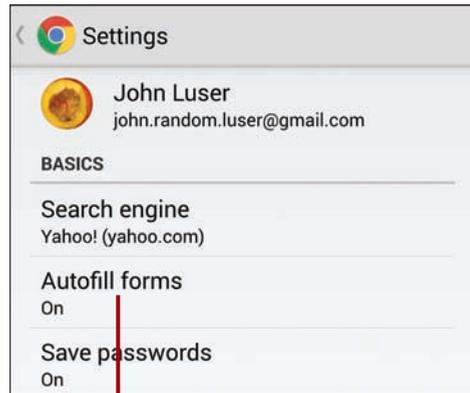
## Choose Basic Settings

Chrome's basic settings include choosing your search engine and home page, deciding whether to use the Autofill Forms feature, and managing your saved passwords.

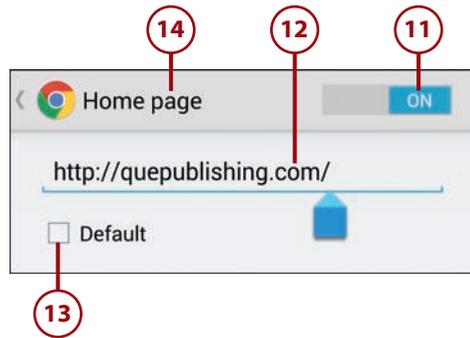
1. From the Settings screen, tap Search Engine to display the Search Engine screen.
2. Tap the search engine you want to use.
3. Tap Search Engine or the Back button to return to the Settings screen.



4. Tap Autofill Forms to display the Autofill Forms screen.
5. Set the Autofill Forms switch to On to enable the use of Autofill Forms.
6. Tap Add Profile to display the Add Profile screen, where you enter the name and address details you want Autofill Forms to use.
7. Tap Add Credit Card to display the Add Credit Card screen, where you enter the details of the credit cards you want to use.
8. Tap Autofill Forms or the Back button to return to the Settings screen.
9. Tap Save Passwords to display the Save Passwords screen. Here, you can move the Save Passwords switch to On or Off to enable or disable Chrome's ability to save your passwords so it can enter them for you. You can also manage the passwords on the Saved Passwords list and the Never Saved List.
10. Tap Home Page to display the Home Page screen.



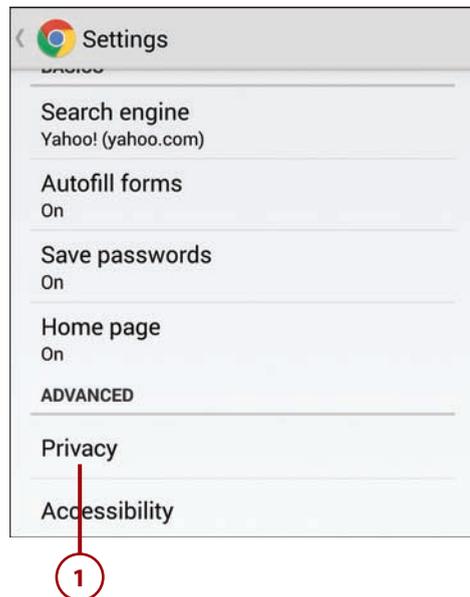
11. Set the Home Page switch to On if you want to use a home page. If you don't want a home page, set this switch to Off; this makes Chrome remove the Home Page icon from the area to the left of the omnibox.
12. Type or paste the address of the page you want to use as your home page.
13. Check the Default box if you want to use the default home page instead of a page you specify. The default home page is usually a page set by your Galaxy Note 4's carrier.
14. Tap Home Page or the Back button to return to the Settings screen.



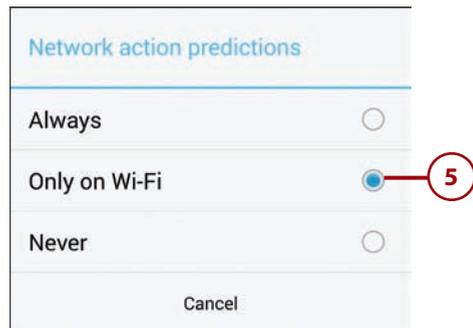
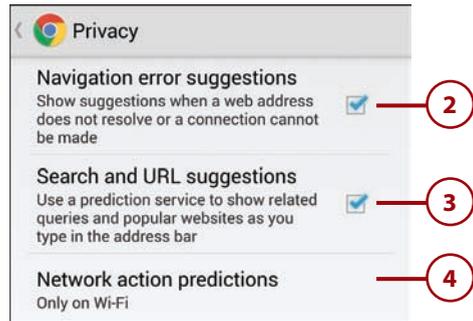
## Choose Advanced Settings

In the Advanced section of the Settings screen in Chrome, you can choose settings in three categories: Privacy, Accessibility, and Content Settings. You can also turn on or off the Reduce Data Usage feature and view the About Chrome information, which may be useful for troubleshooting problems.

1. On the Settings screen, tap Privacy to display the Privacy screen.



2. Tap Navigation Error Suggestions to enable or disable showing suggestions for web addresses that you enter incorrectly or that Chrome cannot locate.
3. Tap Search and URL Suggestions to enable or disable showing related queries and popular websites similar to those you type in the omnibox.
4. Tap Network Action Predictions to display the Network Action Predictions dialog.
5. Tap the Always radio button, the Only on Wi-Fi radio button, or the Never radio button, as needed. See the “What Are Network Action Predictions?” sidebar for details.



## >>> Go Further

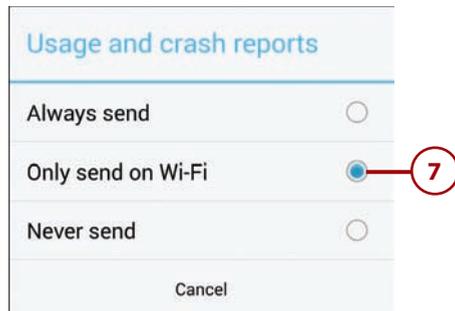
### WHAT ARE NETWORK ACTION PREDICTIONS?

Network Action Predictions is a feature that allows the Chrome app to preload web pages you are likely to want to load. The app does this in two ways. First, when you start typing an address in the omnibox, the Chrome app preloads a matching web page if it has high confidence that you will want it—for example, because you have visited that page before. Second, when you are on a particular web page, the app might preload the pages whose links you are most likely to click—for example, the top few search results.

If Chrome has predicted correctly and loaded the correct pages into memory, when you tap a link, that page renders straight from your Galaxy Note 4's memory instead of first loading over the network. Although this can be a timesaver, it means that your Galaxy Note 4 might preload pages that you will not look

at, which can lead to wasted data usage. If you decide to use Network Action Predictions, it is normally best to choose the Only on Wi-Fi radio button to allow the Chrome app to preload pages only when your Galaxy Note 4 is connected to Wi-Fi, not when it's connected via a cellular data connection (as it does if you select the Always radio button).

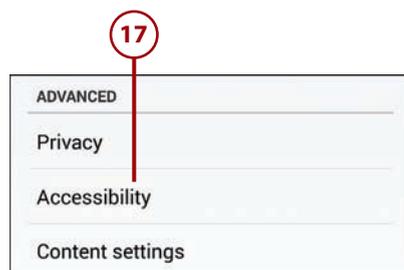
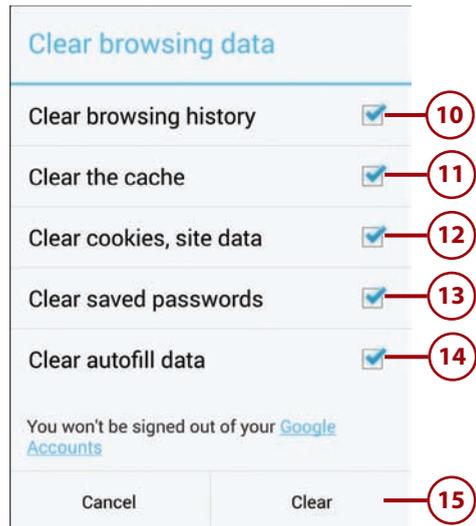
6. Tap Usage and Crash Reports to display the Usage and Crash Reports dialog.
7. Tap the Always Send radio button, the Only Send on Wi-Fi radio button, or the Never Send radio button. If you are happy to provide usage and crash data, choosing Only Send on Wi-Fi is usually the best choice because it prevents the reports from consuming your cellular data allowance.
8. Tap 'Do Not Track' to display the Do Not Track screen, where you can choose whether to turn on the Do Not Track feature. This feature requests that the websites you visit not track you, but websites are not bound to honor the request.
9. Tap Clear Browsing Data to display the Clear Browsing Data screen.



8

9

10. Tap Clear Browsing History to enable or disable clearing your browsing history. This clears the history of websites you have visited using the Chrome app on your Galaxy Note 4.
11. Tap Clear the Cache to enable or disable clearing the cache (data that Chrome stores so that it can redisplay web pages more quickly when you visit them again).
12. Tap Clear Cookies, Site Data to enable or disable clearing your cookies and website data. Browser cookies are used by websites to personalize your visit by storing information specific to you in the cookies.
13. Tap Clear Saved Passwords to enable or disable clearing your saved passwords.
14. Tap Clear Autofill Data to enable or disable clearing your Autofill data.
15. Tap Clear to clear the items whose boxes you checked in the Clear Browsing Data dialog.
16. Tap Privacy or the Back button to return to the Settings screen.
17. Tap Accessibility to display the Accessibility screen.

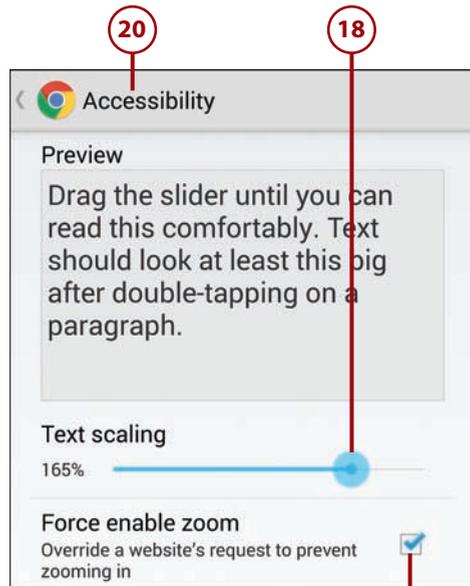


- 18.** Drag the Text Scaling slider to make the text in the Preview box appear at a comfortable size for reading. This is the minimum size to which the Chrome app zooms the text when you double-tap a paragraph.

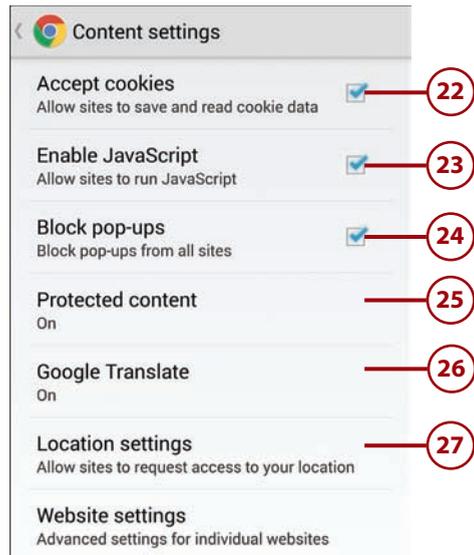
### What Is Text Scaling?

When you use text scaling, you instruct your Galaxy Note 4 to always increase or decrease the font sizes used on a web page by a specific percentage. For example, you can automatically make all text 150% larger than was originally intended.

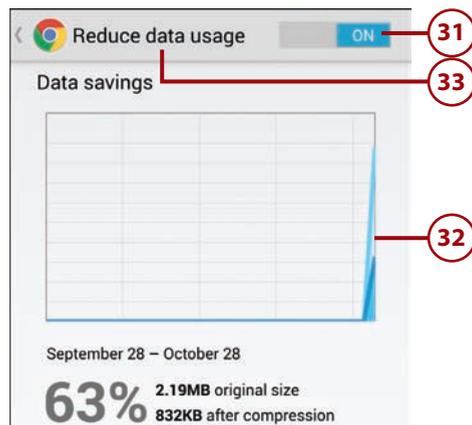
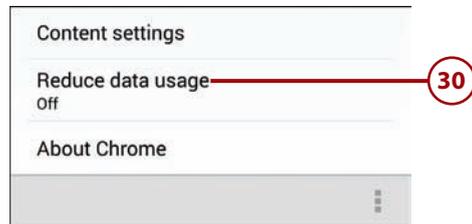
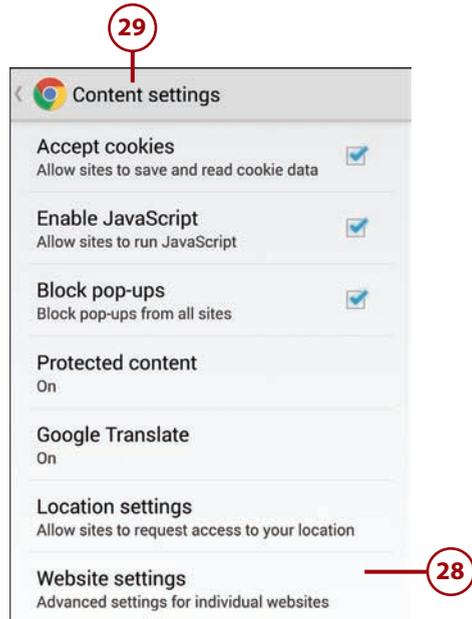
- 19.** Tap Force Enable Zoom to turn on or off Chrome's ability to zoom in on a website that prevents zooming. Some websites turn off zooming because their creators consider design to be more important than readability.
- 20.** Tap Accessibility or the Back button to return to the Settings screen.
- 21.** Tap Content Settings to display the Content Settings screen.



22. Tap Accept Cookies to enable or disable accepting cookies. Browser cookies are used by websites to personalize your visit by storing information specific to you in the cookies.
23. Tap Enable JavaScript to enable or disable JavaScript. JavaScript is used on many web pages for formatting and other functions, so you might want to leave this enabled.
24. Tap Block Pop-Ups to enable or disable blocking pop-up windows. Pop-up windows are almost always advertisements, so keeping this enabled is a good idea; however, some websites might not work correctly if pop-up blocking is on.
25. Tap Protected Content to display the Protected Content screen, where you can set the Protected Content switch to On to allow websites to authenticate your Galaxy Note 4 to verify it is authorized to play premium videos.
26. Tap Google Translate to display the Google Translate page, where you can enable or disable the Google Translate service for translating web pages.
27. Tap Location Settings to allow or disallow websites access to your GPS information. Providing your location to websites is helpful when you need information related to where you are, but at other times, you might prefer to keep your location private.



28. Tap Website Settings to view the list of websites that are storing data on your Galaxy Note 4. You can then clear the data for a specific website if necessary.
29. Tap Content Settings or the Back button to return to the Settings screen.
30. Tap Reduce Data Usage to display the Reduce Data Usage screen.
31. Set the Reduce Data Usage switch to On if you want Chrome to use Google's servers to compress web pages other than pages you load via secure HTTP or in Incognito tabs.
32. After turning on Reduce Data Usage and doing some browsing, you can look at the Data Savings histogram to see how much data the compression has saved you.
33. Tap Reduce Data Usage or the Back button to return to the Settings screen.



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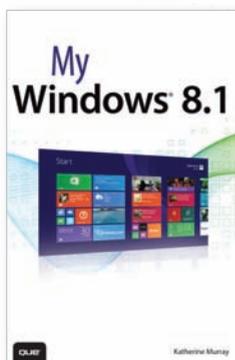
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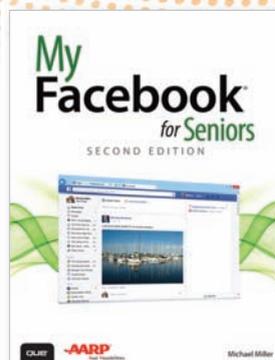
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