Android APIs

- android
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- android.accounts
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- android.inputmethodservice
- android.location

API level: 22

Summary: Constants | Ctors | Inherited Methods | [Collapse All]

Added in API level 1

public static final class

Manifest.permission

extends Object

java.lang.Object
   ↳ android.Manifest.permission

Summary

Constants		
String	ACCESS_CHECKIN_PROPERTIES	Allows read/write access to the "properties" table in the checkin database, to change values that get uploaded.
String	ACCESS_COARSE_LOCATION	Allows an app to access approximate location derived from network location sources such as cell towers and Wi-Fi.
String	ACCESS_FINE_LOCATION	Allows an app to access precise location from location sources such as GPS, cell towers, and Wi-Fi.
String	ACCESS_LOCATION_EXTRA_COMMANDS	Allows an application to access extra location provider commands
String	ACCESS_MOCK_LOCATION	Allows an application to create mock location providers for testing
String	ACCESS_NETWORK_STATE	Allows applications to access information about networks
String	ACCESS_SURFACE_FLINGER	Allows an application to use SurfaceFlinger's low level features.
String	ACCESS_WIFI_STATE	Allows applications to access information about Wi-Fi networks
String	ACCOUNT_MANAGER	Allows applications to call into AccountAuthenticators.
String	ADD_VOICEMAIL	Allows an application to add voicemails into the system.
String	AUTHENTICATE_ACCOUNTS	Allows an application to act as an AccountAuthenticator for the AccountManager
String	BATTERY_STATS	Allows an application to collect battery statistics
String	BIND_ACCESSIBILITY_SERVICE	Must be required by an AccessibilityService , to ensure that only the system can bind to it.
String	BIND_APPWIDGET	Allows an application to tell the AppWidget service which application can access AppWidget's data.
String	BIND_CARRIER_MESSAGING_SERVICE	Must be required by a CarrierMessagingService .

String	BIND_DEVICE_ADMIN	Must be required by device administration receiver, to ensure that only the system can interact with it.
String	BIND_DREAM_SERVICE	Must be required by an `DreamService` , to ensure that only the system can bind to it.
String	BIND_INPUT_METHOD	Must be required by an `InputMethodService` , to ensure that only the system can bind to it.
String	BIND_NFC_SERVICE	Must be required by a `HostApduService` or `OffHostApduService` to ensure that only the system can bind to it.
String	BIND_NOTIFICATION_LISTENER_SERVICE	Must be required by an `NotificationListenerService` , to ensure that only the system can bind to it.
String	BIND_PRINT_SERVICE	Must be required by a `PrintService` , to ensure that only the system can bind to it.
String	BIND_REMOTEVIEWS	Must be required by a `RemoteViewsService` , to ensure that only the system can bind to it.
String	BIND_TEXT_SERVICE	Must be required by a TextService (e.g.
String	BIND_TV_INPUT	Must be required by a `TvInputService` to ensure that only the system can bind to it.
String	BIND_VOICE_INTERACTION	Must be required by a `VoiceInteractionService` , to ensure that only the system can bind to it.
String	BIND_VPN_SERVICE	Must be required by a `VpnService` , to ensure that only the system can bind to it.
String	BIND_WALLPAPER	Must be required by a `WallpaperService` , to ensure that only the system can bind to it.
String	BLUETOOTH	Allows applications to connect to paired bluetooth devices
String	BLUETOOTH_ADMIN	Allows applications to discover and pair bluetooth devices
String	BLUETOOTH_PRIVILEGED	Allows applications to pair bluetooth devices without user interaction, and to allow or disallow phonebook access or message access.
String	BODY_SENSORS	Allows an application to access data from sensors that the user uses to measure what is happening inside his/her body, such as heart rate.
String	BRICK	Required to be able to disable the device (very dangerous!).
String	BROADCAST_PACKAGE_REMOVED	Allows an application to broadcast a notification that an application package has been removed.
String	BROADCAST_SMS	Allows an application to broadcast an SMS receipt notification.
String	BROADCAST_STICKY	Allows an application to broadcast sticky intents.
String	BROADCAST_WAP_PUSH	Allows an application to broadcast a WAP PUSH receipt notification.
String	CALL_PHONE	Allows an application to initiate a phone call without going through the Dialer user interface for the user to confirm the call being placed.
String	CALL_PRIVILEGED	Allows an application to call any phone number, including emergency numbers, without going through the Dialer user interface for the user to confirm the call being placed.
String	CAMERA	Required to be able to access the camera device.
String	CAPTURE_AUDIO_OUTPUT	Allows an application to capture audio output.
String	CAPTURE_SECURE_VIDEO_OUTPUT	Allows an application to capture secure video output.

String	CAPTURE_VIDEO_OUTPUT	Allows an application to capture video output.
String	CHANGE_COMPONENT_ENABLED_STATE	Allows an application to change whether an application component (other than its own) is enabled or not.
String	CHANGE_CONFIGURATION	Allows an application to modify the current configuration, such as locale.
String	CHANGE_NETWORK_STATE	Allows applications to change network connectivity state
String	CHANGE_WIFI_MULTICAST_STATE	Allows applications to enter Wi-Fi Multicast mode
String	CHANGE_WIFI_STATE	Allows applications to change Wi-Fi connectivity state
String	CLEAR_APP_CACHE	Allows an application to clear the caches of all installed applications on the device.
String	CLEAR_APP_USER_DATA	Allows an application to clear user data.
String	CONTROL_LOCATION_UPDATES	Allows enabling/disabling location update notifications from the radio.
String	DELETE_CACHE_FILES	Allows an application to delete cache files.
String	DELETE_PACKAGES	Allows an application to delete packages.
String	DEVICE_POWER	Allows low-level access to power management.
String	DIAGNOSTIC	Allows applications to RW to diagnostic resources.
String	DISABLE_KEYGUARD	Allows applications to disable the keyguard
String	DUMP	Allows an application to retrieve state dump information from system services.
String	EXPAND_STATUS_BAR	Allows an application to expand or collapse the status bar.
String	FACTORY_TEST	Run as a manufacturer test application, running as the root user.
String	FLASHLIGHT	Allows access to the flashlight
String	FORCE_BACK	Allows an application to force a BACK operation on whatever is the top activity.
String	GET_ACCOUNTS	Allows access to the list of accounts in the Accounts Service
String	GET_PACKAGE_SIZE	Allows an application to find out the space used by any package.
String	GET_TASKS	*This constant was deprecated in API level 21. No longer enforced.*
String	GET_TOP_ACTIVITY_INFO	Allows an application to retrieve private information about the current top activity, such as any assist context it can provide.
String	GLOBAL_SEARCH	This permission can be used on content providers to allow the global search system to access their data.
String	HARDWARE_TEST	Allows access to hardware peripherals.
String	INJECT_EVENTS	Allows an application to inject user events (keys, touch, trackball) into the event stream and deliver them to ANY window.
String	INSTALL_LOCATION_PROVIDER	Allows an application to install a location provider into the Location Manager.

String	INSTALL_PACKAGES	Allows an application to install packages.	
String	INSTALL_SHORTCUT	Allows an application to install a shortcut in Launcher	
String	INTERNAL_SYSTEM_WINDOW	Allows an application to open windows that are for use by parts of the system user interface.	
String	INTERNET	Allows applications to open network sockets.	
String	KILL_BACKGROUND_PROCESSES	Allows an application to call `killBackgroundProcesses(String)` .	
String	LOCATION_HARDWARE	Allows an application to use location features in hardware, such as the geofencing api.	
String	MANAGE_ACCOUNTS	Allows an application to manage the list of accounts in the AccountManager	
String	MANAGE_APP_TOKENS	Allows an application to manage (create, destroy, Z-order) application tokens in the window manager.	
String	MANAGE_DOCUMENTS	Allows an application to manage access to documents, usually as part of a document picker.	
String	MASTER_CLEAR	Not for use by third-party applications.	
String	MEDIA_CONTENT_CONTROL	Allows an application to know what content is playing and control its playback.	
String	MODIFY_AUDIO_SETTINGS	Allows an application to modify global audio settings	
String	MODIFY_PHONE_STATE	Allows modification of the telephony state - power on, mmi, etc.	
String	MOUNT_FORMAT_FILESYSTEMS	Allows formatting file systems for removable storage.	
String	MOUNT_UNMOUNT_FILESYSTEMS	Allows mounting and unmounting file systems for removable storage.	
String	NFC	Allows applications to perform I/O operations over NFC	
String	PERSISTENT_ACTIVITY	*This constant was deprecated in API level 9. This functionality will be removed in the future; please do not use. Allow an application to make its activities persistent.*	
String	PROCESS_OUTGOING_CALLS	Allows an application to see the number being dialed during an outgoing call with the option to redirect the call to a different number or abort the call altogether.	
String	READ_CALENDAR	Allows an application to read the user's calendar data.	
String	READ_CALL_LOG	Allows an application to read the user's call log.	
String	READ_CONTACTS	Allows an application to read the user's contacts data.	
String	READ_EXTERNAL_STORAGE	Allows an application to read from external storage.	
String	READ_FRAME_BUFFER	Allows an application to take screen shots and more generally get access to the frame buffer data.	
String	READ_HISTORY_BOOKMARKS	Allows an application to read (but not write) the user's browsing history and bookmarks.	
String	READ_INPUT_STATE	*This constant was deprecated in API level 16. The API that used this permission has been removed.*	
String	READ_LOGS	Allows an application to read the low-level system log files.	
String	READ_PHONE_STATE	Allows read only access to phone state.	

String	READ_PROFILE	Allows an application to read the user's personal profile data.
String	READ_SMS	Allows an application to read SMS messages.
String	READ_SOCIAL_STREAM	*This constant was deprecated in API level 21. This functionality will be unsupported in the future; cursors returned will be empty. Please do not use.*
String	READ_SYNC_SETTINGS	Allows applications to read the sync settings
String	READ_SYNC_STATS	Allows applications to read the sync stats
String	READ_USER_DICTIONARY	Allows an application to read the user dictionary.
String	READ_VOICEMAIL	Allows an application to read voicemails in the system.
String	REBOOT	Required to be able to reboot the device.
String	RECEIVE_BOOT_COMPLETED	Allows an application to receive the `ACTION_BOOT_COMPLETED` that is broadcast after the system finishes booting.
String	RECEIVE_MMS	Allows an application to monitor incoming MMS messages, to record or perform processing on them.
String	RECEIVE_SMS	Allows an application to monitor incoming SMS messages, to record or perform processing on them.
String	RECEIVE_WAP_PUSH	Allows an application to monitor incoming WAP push messages.
String	RECORD_AUDIO	Allows an application to record audio
String	REORDER_TASKS	Allows an application to change the Z-order of tasks
String	RESTART_PACKAGES	*This constant was deprecated in API level 8. The* `restartPackage(String)` *API is no longer supported.*
String	SEND_RESPOND_VIA_MESSAGE	Allows an application (Phone) to send a request to other applications to handle the respond-via-message action during incoming calls.
String	SEND_SMS	Allows an application to send SMS messages.
String	SET_ACTIVITY_WATCHER	Allows an application to watch and control how activities are started globally in the system.
String	SET_ALARM	Allows an application to broadcast an Intent to set an alarm for the user.
String	SET_ALWAYS_FINISH	Allows an application to control whether activities are immediately finished when put in the background.
String	SET_ANIMATION_SCALE	Modify the global animation scaling factor.
String	SET_DEBUG_APP	Configure an application for debugging.
String	SET_ORIENTATION	Allows low-level access to setting the orientation (actually rotation) of the screen.
String	SET_POINTER_SPEED	Allows low-level access to setting the pointer speed.
String	SET_PREFERRED_APPLICATIONS	*This constant was deprecated in API level 7. No longer useful, see* `addPackageToPreferred(String)` *for details.*
String	SET_PROCESS_LIMIT	Allows an application to set the maximum number of (not needed) application processes that can be running.

String	SET_TIME	Allows applications to set the system time.
String	SET_TIME_ZONE	Allows applications to set the system time zone
String	SET_WALLPAPER	Allows applications to set the wallpaper
String	SET_WALLPAPER_HINTS	Allows applications to set the wallpaper hints
String	SIGNAL_PERSISTENT_PROCESSES	Allow an application to request that a signal be sent to all persistent processes.
String	STATUS_BAR	Allows an application to open, close, or disable the status bar and its icons.
String	SUBSCRIBED_FEEDS_READ	Allows an application to allow access the subscribed feeds ContentProvider.
String	SUBSCRIBED_FEEDS_WRITE	
String	SYSTEM_ALERT_WINDOW	Allows an application to open windows using the type `TYPE_SYSTEM_ALERT`, shown on top of all other applications.
String	TRANSMIT_IR	Allows using the device's IR transmitter, if available
String	UNINSTALL_SHORTCUT	Allows an application to uninstall a shortcut in Launcher
String	UPDATE_DEVICE_STATS	Allows an application to update device statistics.
String	USE_CREDENTIALS	Allows an application to request authtokens from the AccountManager
String	USE_SIP	Allows an application to use SIP service
String	VIBRATE	Allows access to the vibrator
String	WAKE_LOCK	Allows using PowerManager WakeLocks to keep processor from sleeping or screen from dimming
String	WRITE_APN_SETTINGS	Allows applications to write the apn settings.
String	WRITE_CALENDAR	Allows an application to write (but not read) the user's calendar data.
String	WRITE_CALL_LOG	Allows an application to write (but not read) the user's contacts data.
String	WRITE_CONTACTS	Allows an application to write (but not read) the user's contacts data.
String	WRITE_EXTERNAL_STORAGE	Allows an application to write to external storage.
String	WRITE_GSERVICES	Allows an application to modify the Google service map.
String	WRITE_HISTORY_BOOKMARKS	Allows an application to write (but not read) the user's browsing history and bookmarks.
String	WRITE_PROFILE	Allows an application to write (but not read) the user's personal profile data.
String	WRITE_SECURE_SETTINGS	Allows an application to read or write the secure system settings.
String	WRITE_SETTINGS	Allows an application to read or write the system settings.
String	WRITE_SMS	Allows an application to write SMS messages.
String	WRITE_SOCIAL_STREAM	*This constant was deprecated in API level 21. This functionality will be unsupported in the future; cursors returned will be empty. Please do not use.*

String	WRITE_SYNC_SETTINGS	Allows applications to write the sync settings
String	WRITE_USER_DICTIONARY	Allows an application to write to the user dictionary.
String	WRITE_VOICEMAIL	Allows an application to modify and remove existing voicemails in the system

Public Constructors

Manifest.permission ()	

Inherited Methods [Collapse]

▼ From class java.lang.Object

Object	clone ()
	Creates and returns a copy of this `Object` .
boolean	equals (Object o)
	Compares this instance with the specified object and indicates if they are equal.
void	finalize ()
	Invoked when the garbage collector has detected that this instance is no longer reachable.
final Class<?>	getClass ()
	Returns the unique instance of `Class` that represents this object's class.
int	hashCode ()
	Returns an integer hash code for this object.
final void	notify ()
	Causes a thread which is waiting on this object's monitor (by means of calling one of the `wait()` methods) to be woken up.
final void	notifyAll ()
	Causes all threads which are waiting on this object's monitor (by means of calling one of the `wait()` methods) to be woken up.
String	toString ()
	Returns a string containing a concise, human-readable description of this object.
final void	wait ()
	Causes the calling thread to wait until another thread calls the `notify()` or `notifyAll()` method of this object.
final void	wait (long millis, int nanos)
	Causes the calling thread to wait until another thread calls the `notify()` or `notifyAll()` method of this object or until the specified timeout expires.
final void	wait (long millis)
	Causes the calling thread to wait until another thread calls the `notify()` or `notifyAll()` method of this object or until the specified timeout expires.

Constants

public static final String **ACCESS_CHECKIN_PROPERTIES**

Allows read/write access to the "properties" table in the checkin database, to change values that get uploaded.

Not for use by third-party applications.

Constant Value: "android.permission.ACCESS_CHECKIN_PROPERTIES"

public static final String **ACCESS_COARSE_LOCATION**

Allows an app to access approximate location derived from network location sources such as cell towers and Wi-Fi.

Constant Value: "android.permission.ACCESS_COARSE_LOCATION"

public static final String **ACCESS_FINE_LOCATION**

Allows an app to access precise location from location sources such as GPS, cell towers, and Wi-Fi.

Constant Value: "android.permission.ACCESS_FINE_LOCATION"

public static final String **ACCESS_LOCATION_EXTRA_COMMANDS**

Allows an application to access extra location provider commands

Constant Value: "android.permission.ACCESS_LOCATION_EXTRA_COMMANDS"

public static final String **ACCESS_MOCK_LOCATION**

Allows an application to create mock location providers for testing

Constant Value: "android.permission.ACCESS_MOCK_LOCATION"

public static final String **ACCESS_NETWORK_STATE**

Allows applications to access information about networks

Constant Value: "android.permission.ACCESS_NETWORK_STATE"

public static final String **ACCESS_SURFACE_FLINGER**

Allows an application to use SurfaceFlinger's low level features.

Not for use by third-party applications.

Constant Value: "android.permission.ACCESS_SURFACE_FLINGER"

public static final String ACCESS_WIFI_STATE

Allows applications to access information about Wi-Fi networks

Constant Value: "android.permission.ACCESS_WIFI_STATE"

public static final String ACCOUNT_MANAGER

Allows applications to call into AccountAuthenticators.

Not for use by third-party applications.

Constant Value: "android.permission.ACCOUNT_MANAGER"

public static final String ADD_VOICEMAIL

Allows an application to add voicemails into the system.

Constant Value: "com.android.voicemail.permission.ADD_VOICEMAIL"

public static final String AUTHENTICATE_ACCOUNTS

Allows an application to act as an AccountAuthenticator for the AccountManager

Constant Value: "android.permission.AUTHENTICATE_ACCOUNTS"

public static final String BATTERY_STATS

Allows an application to collect battery statistics

Constant Value: "android.permission.BATTERY_STATS"

public static final String BIND_ACCESSIBILITY_SERVICE

Must be required by an `AccessibilityService` , to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_ACCESSIBILITY_SERVICE"

public static final String BIND_APPWIDGET

Allows an application to tell the AppWidget service which application can access AppWidget's data. The normal user flow is that a user picks an AppWidget to go into a particular host, thereby giving that host application access to the private data from the AppWidget app. An application that has this permission should honor that contract.

Not for use by third-party applications.

Constant Value: "android.permission.BIND_APPWIDGET"

public static final String **BIND_CARRIER_MESSAGING_SERVICE**

Must be required by a `CarrierMessagingService` . Any service that filters for this intent must be a carrier privileged app.

Constant Value: "android.permission.BIND_CARRIER_MESSAGING_SERVICE"

public static final String **BIND_DEVICE_ADMIN**

Must be required by device administration receiver, to ensure that only the system can interact with it.

Constant Value: "android.permission.BIND_DEVICE_ADMIN"

public static final String **BIND_DREAM_SERVICE**

Must be required by an `DreamService` , to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_DREAM_SERVICE"

public static final String **BIND_INPUT_METHOD**

Must be required by an `InputMethodService` , to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_INPUT_METHOD"

public static final String **BIND_NFC_SERVICE**

Must be required by a `HostApduService` or `OffHostApduService` to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_NFC_SERVICE"

public static final String **BIND_NOTIFICATION_LISTENER_SERVICE**

Must be required by an `NotificationListenerService` , to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_NOTIFICATION_LISTENER_SERVICE"

public static final String **BIND_PRINT_SERVICE**

Must be required by a `PrintService` , to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_PRINT_SERVICE"

public static final String **BIND_REMOTEVIEWS**

Must be required by a `RemoteViewsService` , to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_REMOTEVIEWS"

public static final String **BIND_TEXT_SERVICE**

Must be required by a TextService (e.g. SpellCheckerService) to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_TEXT_SERVICE"

public static final String **BIND_TV_INPUT**

Must be required by a `TvInputService` to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_TV_INPUT"

public static final String **BIND_VOICE_INTERACTION**

Must be required by a `VoiceInteractionService` , to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_VOICE_INTERACTION"

public static final String **BIND_VPN_SERVICE**

Must be required by a `VpnService` , to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_VPN_SERVICE"

public static final String **BIND_WALLPAPER**

Must be required by a `WallpaperService` , to ensure that only the system can bind to it.

Constant Value: "android.permission.BIND_WALLPAPER"

public static final String **BLUETOOTH**

Allows applications to connect to paired bluetooth devices

Constant Value: "android.permission.BLUETOOTH"

public static final String **BLUETOOTH_ADMIN**

Allows applications to discover and pair bluetooth devices

Constant Value: "android.permission.BLUETOOTH_ADMIN"

public static final String BLUETOOTH_PRIVILEGED

Allows applications to pair bluetooth devices without user interaction, and to allow or disallow phonebook access or message access. This is not available to third party applications.

Constant Value: "android.permission.BLUETOOTH_PRIVILEGED"

public static final String BODY_SENSORS

Allows an application to access data from sensors that the user uses to measure what is happening inside his/her body, such as heart rate.

Constant Value: "android.permission.BODY_SENSORS"

public static final String BRICK

Required to be able to disable the device (very dangerous!).

Not for use by third-party applications..

Constant Value: "android.permission.BRICK"

public static final String BROADCAST_PACKAGE_REMOVED

Allows an application to broadcast a notification that an application package has been removed.

Not for use by third-party applications.

Constant Value: "android.permission.BROADCAST_PACKAGE_REMOVED"

public static final String BROADCAST_SMS

Allows an application to broadcast an SMS receipt notification.

Not for use by third-party applications.

Constant Value: "android.permission.BROADCAST_SMS"

public static final String BROADCAST_STICKY

Allows an application to broadcast sticky intents. These are broadcasts whose data is held by the system after being finished, so that clients can quickly retrieve that data without having to wait for the next broadcast.

Constant Value: "android.permission.BROADCAST_STICKY"

public static final String **BROADCAST_WAP_PUSH**

Added in API level 2

Allows an application to broadcast a WAP PUSH receipt notification.

Not for use by third-party applications.

Constant Value: "android.permission.BROADCAST_WAP_PUSH"

public static final String **CALL_PHONE**

Added in API level 1

Allows an application to initiate a phone call without going through the Dialer user interface for the user to confirm the call being placed.

Constant Value: "android.permission.CALL_PHONE"

public static final String **CALL_PRIVILEGED**

Added in API level 1

Allows an application to call any phone number, including emergency numbers, without going through the Dialer user interface for the user to confirm the call being placed.

Not for use by third-party applications.

Constant Value: "android.permission.CALL_PRIVILEGED"

public static final String **CAMERA**

Added in API level 1

Required to be able to access the camera device.

This will automatically enforce the `<uses-feature>` manifest element for *all* camera features. If you do not require all camera features or can properly operate if a camera is not available, then you must modify your manifest as appropriate in order to install on devices that don't support all camera features.

Constant Value: "android.permission.CAMERA"

public static final String **CAPTURE_AUDIO_OUTPUT**

Added in API level 19

Allows an application to capture audio output.

Not for use by third-party applications.

Constant Value: "android.permission.CAPTURE_AUDIO_OUTPUT"

public static final String **CAPTURE_SECURE_VIDEO_OUTPUT**

Added in API level 19

Allows an application to capture secure video output.

Not for use by third-party applications.

Constant Value: "android.permission.CAPTURE_SECURE_VIDEO_OUTPUT"

public static final String **CAPTURE_VIDEO_OUTPUT**

Allows an application to capture video output.

Not for use by third-party applications.

Constant Value: "android.permission.CAPTURE_VIDEO_OUTPUT"

public static final String **CHANGE_COMPONENT_ENABLED_STATE**

Allows an application to change whether an application component (other than its own) is enabled or not.

Not for use by third-party applications.

Constant Value: "android.permission.CHANGE_COMPONENT_ENABLED_STATE"

public static final String **CHANGE_CONFIGURATION**

Allows an application to modify the current configuration, such as locale.

Constant Value: "android.permission.CHANGE_CONFIGURATION"

public static final String **CHANGE_NETWORK_STATE**

Allows applications to change network connectivity state

Constant Value: "android.permission.CHANGE_NETWORK_STATE"

public static final String **CHANGE_WIFI_MULTICAST_STATE**

Allows applications to enter Wi-Fi Multicast mode

Constant Value: "android.permission.CHANGE_WIFI_MULTICAST_STATE"

public static final String **CHANGE_WIFI_STATE**

Allows applications to change Wi-Fi connectivity state

Constant Value: "android.permission.CHANGE_WIFI_STATE"

public static final String **CLEAR_APP_CACHE**

Allows an application to clear the caches of all installed applications on the device.

Constant Value: "android.permission.CLEAR_APP_CACHE"

public static final String **CLEAR_APP_USER_DATA**

Allows an application to clear user data.

Not for use by third-party applications.

Constant Value: "android.permission.CLEAR_APP_USER_DATA"

public static final String **CONTROL_LOCATION_UPDATES**

Allows enabling/disabling location update notifications from the radio.

Not for use by third-party applications.

Constant Value: "android.permission.CONTROL_LOCATION_UPDATES"

public static final String **DELETE_CACHE_FILES**

Allows an application to delete cache files.

Not for use by third-party applications.

Constant Value: "android.permission.DELETE_CACHE_FILES"

public static final String **DELETE_PACKAGES**

Allows an application to delete packages.

Not for use by third-party applications.

Constant Value: "android.permission.DELETE_PACKAGES"

public static final String **DEVICE_POWER**

Allows low-level access to power management.

Not for use by third-party applications.

Constant Value: "android.permission.DEVICE_POWER"

public static final String **DIAGNOSTIC**

Allows applications to RW to diagnostic resources.

Not for use by third-party applications.

Constant Value: "android.permission.DIAGNOSTIC"

public static final String **DISABLE_KEYGUARD**

Allows applications to disable the keyguard

Constant Value: "android.permission.DISABLE_KEYGUARD"

public static final String **DUMP**

Allows an application to retrieve state dump information from system services.

Not for use by third-party applications.

Constant Value: "android.permission.DUMP"

public static final String **EXPAND_STATUS_BAR**

Allows an application to expand or collapse the status bar.

Constant Value: "android.permission.EXPAND_STATUS_BAR"

public static final String **FACTORY_TEST**

Run as a manufacturer test application, running as the root user. Only available when the device is running in manufacturer test mode.

Not for use by third-party applications.

Constant Value: "android.permission.FACTORY_TEST"

public static final String **FLASHLIGHT**

Allows access to the flashlight

Constant Value: "android.permission.FLASHLIGHT"

public static final String **FORCE_BACK**

Allows an application to force a BACK operation on whatever is the top activity.

Not for use by third-party applications.

Constant Value: "android.permission.FORCE_BACK"

public static final String **GET_ACCOUNTS**

Allows access to the list of accounts in the Accounts Service

Constant Value: "android.permission.GET_ACCOUNTS"

public static final String GET_PACKAGE_SIZE

Allows an application to find out the space used by any package.

Constant Value: "android.permission.GET_PACKAGE_SIZE"

public static final String GET_TASKS

This constant was deprecated in API level 21.
No longer enforced.

Constant Value: "android.permission.GET_TASKS"

public static final String GET_TOP_ACTIVITY_INFO

Allows an application to retrieve private information about the current top activity, such as any assist context it can provide.

Not for use by third-party applications.

Constant Value: "android.permission.GET_TOP_ACTIVITY_INFO"

public static final String GLOBAL_SEARCH

This permission can be used on content providers to allow the global search system to access their data. Typically it used when the provider has some permissions protecting it (which global search would not be expected to hold), and added as a read-only permission to the path in the provider where global search queries are performed. This permission can not be held by regular applications; it is used by applications to protect themselves from everyone else besides global search.

Constant Value: "android.permission.GLOBAL_SEARCH"

public static final String HARDWARE_TEST

Allows access to hardware peripherals. Intended only for hardware testing.

Not for use by third-party applications.

Constant Value: "android.permission.HARDWARE_TEST"

public static final String INJECT_EVENTS

Allows an application to inject user events (keys, touch, trackball) into the event stream and deliver them to ANY window. Without this permission, you can only deliver events to windows in your own process.

Not for use by third-party applications.

Constant Value: "android.permission.INJECT_EVENTS"

public static final String INSTALL_LOCATION_PROVIDER

Allows an application to install a location provider into the Location Manager.

Not for use by third-party applications.

Constant Value: "android.permission.INSTALL_LOCATION_PROVIDER"

public static final String INSTALL_PACKAGES

Allows an application to install packages.

Not for use by third-party applications.

Constant Value: "android.permission.INSTALL_PACKAGES"

public static final String INSTALL_SHORTCUT

Allows an application to install a shortcut in Launcher

Constant Value: "com.android.launcher.permission.INSTALL_SHORTCUT"

public static final String INTERNAL_SYSTEM_WINDOW

Allows an application to open windows that are for use by parts of the system user interface.

Not for use by third-party applications.

Constant Value: "android.permission.INTERNAL_SYSTEM_WINDOW"

public static final String INTERNET

Allows applications to open network sockets.

Constant Value: "android.permission.INTERNET"

public static final String KILL_BACKGROUND_PROCESSES

Allows an application to call `killBackgroundProcesses(String)` .

Constant Value: "android.permission.KILL_BACKGROUND_PROCESSES"

public static final String LOCATION_HARDWARE

Allows an application to use location features in hardware, such as the geofencing api.

Not for use by third-party applications.

Constant Value: "android.permission.LOCATION_HARDWARE"

public static final String **MANAGE_ACCOUNTS**

Allows an application to manage the list of accounts in the AccountManager

Constant Value: "android.permission.MANAGE_ACCOUNTS"

public static final String **MANAGE_APP_TOKENS**

Allows an application to manage (create, destroy, Z-order) application tokens in the window manager.

Not for use by third-party applications.

Constant Value: "android.permission.MANAGE_APP_TOKENS"

public static final String **MANAGE_DOCUMENTS**

Allows an application to manage access to documents, usually as part of a document picker.

Constant Value: "android.permission.MANAGE_DOCUMENTS"

public static final String **MASTER_CLEAR**

Not for use by third-party applications.

Constant Value: "android.permission.MASTER_CLEAR"

public static final String **MEDIA_CONTENT_CONTROL**

Allows an application to know what content is playing and control its playback.

Not for use by third-party applications due to privacy of media consumption

Constant Value: "android.permission.MEDIA_CONTENT_CONTROL"

public static final String **MODIFY_AUDIO_SETTINGS**

Allows an application to modify global audio settings

Constant Value: "android.permission.MODIFY_AUDIO_SETTINGS"

public static final String **MODIFY_PHONE_STATE**

Allows modification of the telephony state - power on, mmi, etc. Does not include placing calls.

Not for use by third-party applications.

Constant Value: "android.permission.MODIFY_PHONE_STATE"

public static final String MOUNT_FORMAT_FILESYSTEMS

Allows formatting file systems for removable storage.

Not for use by third-party applications.

Constant Value: "android.permission.MOUNT_FORMAT_FILESYSTEMS"

public static final String MOUNT_UNMOUNT_FILESYSTEMS

Allows mounting and unmounting file systems for removable storage.

Not for use by third-party applications.

Constant Value: "android.permission.MOUNT_UNMOUNT_FILESYSTEMS"

public static final String NFC

Allows applications to perform I/O operations over NFC

Constant Value: "android.permission.NFC"

public static final String PERSISTENT_ACTIVITY

This constant was deprecated in API level 9.
This functionality will be removed in the future; please do not use. Allow an application to make its activities persistent.

Constant Value: "android.permission.PERSISTENT_ACTIVITY"

public static final String PROCESS_OUTGOING_CALLS

Allows an application to see the number being dialed during an outgoing call with the option to redirect the call to a different number or abort the call altogether.

Constant Value: "android.permission.PROCESS_OUTGOING_CALLS"

public static final String READ_CALENDAR

Allows an application to read the user's calendar data.

Constant Value: "android.permission.READ_CALENDAR"

public static final String READ_CALL_LOG

Allows an application to read the user's call log.

Constant Value: "android.permission.READ_CALL_LOG"

public static final String READ_CONTACTS

Added in API level 1

Allows an application to read the user's contacts data.

Constant Value: "android.permission.READ_CONTACTS"

public static final String READ_EXTERNAL_STORAGE

Added in API level 16

Allows an application to read from external storage.

Any app that declares the `WRITE_EXTERNAL_STORAGE` permission is implicitly granted this permission.

This permission is enforced starting in API level 19. Before API level 19, this permission is not enforced and all apps still have access to read from external storage. You can test your app with the permission enforced by enabling *Protect USB storage* under Developer options in the Settings app on a device running Android 4.1 or higher.

Also starting in API level 19, this permission is *not* required to read/write files in your application-specific directories returned by `getExternalFilesDir(String)` and `getExternalCacheDir()` .

Constant Value: "android.permission.READ_EXTERNAL_STORAGE"

public static final String READ_FRAME_BUFFER

Added in API level 1

Allows an application to take screen shots and more generally get access to the frame buffer data.

Not for use by third-party applications.

Constant Value: "android.permission.READ_FRAME_BUFFER"

public static final String READ_HISTORY_BOOKMARKS

Added in API level 4

Allows an application to read (but not write) the user's browsing history and bookmarks.

Constant Value: "com.android.browser.permission.READ_HISTORY_BOOKMARKS"

public static final String READ_INPUT_STATE

Added in API level 1

> **This constant was deprecated in API level 16.**

> The API that used this permission has been removed.

Allows an application to retrieve the current state of keys and switches.

Not for use by third-party applications.

Constant Value: "android.permission.READ_INPUT_STATE"

public static final String READ_LOGS

Allows an application to read the low-level system log files.

Not for use by third-party applications, because Log entries can contain the user's private information.

Constant Value: "android.permission.READ_LOGS"

public static final String READ_PHONE_STATE

Allows read only access to phone state.

> **Note:** If *both* your `minSdkVersion` and `targetSdkVersion` values are set to 3 or lower, the system implicitly grants your app this permission. If you don't need this permission, be sure your `targetSdkVersion` is 4 or higher.

Constant Value: "android.permission.READ_PHONE_STATE"

public static final String READ_PROFILE

Allows an application to read the user's personal profile data.

Constant Value: "android.permission.READ_PROFILE"

public static final String READ_SMS

Allows an application to read SMS messages.

Constant Value: "android.permission.READ_SMS"

public static final String READ_SOCIAL_STREAM

> **This constant was deprecated in API level 21.**
> This functionality will be unsupported in the future; cursors returned will be empty. Please do not use.

Allows an application to read from the user's social stream.

Constant Value: "android.permission.READ_SOCIAL_STREAM"

public static final String **READ_SYNC_SETTINGS**

Allows applications to read the sync settings

Constant Value: "android.permission.READ_SYNC_SETTINGS"

public static final String **READ_SYNC_STATS**

Allows applications to read the sync stats

Constant Value: "android.permission.READ_SYNC_STATS"

public static final String **READ_USER_DICTIONARY**

Allows an application to read the user dictionary. This should really only be required by an IME, or a dictionary editor like the Settings app.

Constant Value: "android.permission.READ_USER_DICTIONARY"

public static final String **READ_VOICEMAIL**

Allows an application to read voicemails in the system.

Constant Value: "com.android.voicemail.permission.READ_VOICEMAIL"

public static final String **REBOOT**

Required to be able to reboot the device.

Not for use by third-party applications.

Constant Value: "android.permission.REBOOT"

public static final String **RECEIVE_BOOT_COMPLETED**

Allows an application to receive the `ACTION_BOOT_COMPLETED` that is broadcast after the system finishes booting. If you don't request this permission, you will not receive the broadcast at that time. Though holding this permission does not have any security implications, it can have a negative impact on the user experience by increasing the amount of time it takes the system to start and allowing applications to have themselves running without the user being aware of them. As such, you must explicitly declare your use of this facility to make that visible to the user.

Constant Value: "android.permission.RECEIVE_BOOT_COMPLETED"

public static final String **RECEIVE_MMS**

Allows an application to monitor incoming MMS messages, to record or perform processing on them.

Constant Value: "android.permission.RECEIVE_MMS"

public static final String RECEIVE_SMS

Added in API level 1

Allows an application to monitor incoming SMS messages, to record or perform processing on them.

Constant Value: "android.permission.RECEIVE_SMS"

public static final String RECEIVE_WAP_PUSH

Added in API level 1

Allows an application to monitor incoming WAP push messages.

Constant Value: "android.permission.RECEIVE_WAP_PUSH"

public static final String RECORD_AUDIO

Added in API level 1

Allows an application to record audio

Constant Value: "android.permission.RECORD_AUDIO"

public static final String REORDER_TASKS

Added in API level 1

Allows an application to change the Z-order of tasks

Constant Value: "android.permission.REORDER_TASKS"

public static final String RESTART_PACKAGES

Added in API level 1

This constant was deprecated in API level 8.
The `restartPackage(String)` API is no longer supported.

Constant Value: "android.permission.RESTART_PACKAGES"

public static final String SEND_RESPOND_VIA_MESSAGE

Added in API level 18

Allows an application (Phone) to send a request to other applications to handle the respond-via-message action during incoming calls.

Not for use by third-party applications.

Constant Value: "android.permission.SEND_RESPOND_VIA_MESSAGE"

public static final String SEND_SMS

Added in API level 1

Allows an application to send SMS messages.

Constant Value: "android.permission.SEND_SMS"

public static final String SET_ACTIVITY_WATCHER

Allows an application to watch and control how activities are started globally in the system. Only for is in debugging (usually the monkey command). Added in API level 1

Not for use by third-party applications.

Constant Value: "android.permission.SET_ACTIVITY_WATCHER"

public static final String SET_ALARM

Added in API level 9

Allows an application to broadcast an Intent to set an alarm for the user.

Constant Value: "com.android.alarm.permission.SET_ALARM"

public static final String SET_ALWAYS_FINISH

Added in API level 1

Allows an application to control whether activities are immediately finished when put in the background.

Not for use by third-party applications.

Constant Value: "android.permission.SET_ALWAYS_FINISH"

public static final String SET_ANIMATION_SCALE

Added in API level 1

Modify the global animation scaling factor.

Not for use by third-party applications.

Constant Value: "android.permission.SET_ANIMATION_SCALE"

public static final String SET_DEBUG_APP

Added in API level 1

Configure an application for debugging.

Not for use by third-party applications.

Constant Value: "android.permission.SET_DEBUG_APP"

public static final String SET_ORIENTATION

Added in API level 1

Allows low-level access to setting the orientation (actually rotation) of the screen.

Not for use by third-party applications.

Constant Value: "android.permission.SET_ORIENTATION"

public static final String SET_POINTER_SPEED

Added in API level 13

Allows low-level access to setting the pointer speed.

Not for use by third-party applications.

Constant Value: "android.permission.SET_POINTER_SPEED"

public static final String SET_PREFERRED_APPLICATIONS   Added in API level 1

> **This constant was deprecated in API level 7.**
> No longer useful, see `addPackageToPreferred(String)` for details.

Constant Value: "android.permission.SET_PREFERRED_APPLICATIONS"

public static final String SET_PROCESS_LIMIT   Added in API level 1

Allows an application to set the maximum number of (not needed) application processes that can be running.

Not for use by third-party applications.

Constant Value: "android.permission.SET_PROCESS_LIMIT"

public static final String SET_TIME   Added in API level 8

Allows applications to set the system time.

Not for use by third-party applications.

Constant Value: "android.permission.SET_TIME"

public static final String SET_TIME_ZONE   Added in API level 1

Allows applications to set the system time zone

Constant Value: "android.permission.SET_TIME_ZONE"

public static final String SET_WALLPAPER   Added in API level 1

Allows applications to set the wallpaper

Constant Value: "android.permission.SET_WALLPAPER"

public static final String SET_WALLPAPER_HINTS   Added in API level 1

Allows applications to set the wallpaper hints

Constant Value: "android.permission.SET_WALLPAPER_HINTS"

public static final String SIGNAL_PERSISTENT_PROCESSES

Allow an application to request that a signal be sent to all persistent processes.

Not for use by third-party applications.

Constant Value: "android.permission.SIGNAL_PERSISTENT_PROCESSES"

public static final String **STATUS_BAR**

Allows an application to open, close, or disable the status bar and its icons.

Not for use by third-party applications.

Constant Value: "android.permission.STATUS_BAR"

public static final String **SUBSCRIBED_FEEDS_READ**

Allows an application to allow access the subscribed feeds ContentProvider.

Constant Value: "android.permission.SUBSCRIBED_FEEDS_READ"

public static final String **SUBSCRIBED_FEEDS_WRITE**

Constant Value: "android.permission.SUBSCRIBED_FEEDS_WRITE"

public static final String **SYSTEM_ALERT_WINDOW**

Allows an application to open windows using the type `TYPE_SYSTEM_ALERT`, shown on top of all other applications. Very few applications should use this permission; these windows are intended for system-level interaction with the user.

Constant Value: "android.permission.SYSTEM_ALERT_WINDOW"

public static final String **TRANSMIT_IR**

Allows using the device's IR transmitter, if available

Constant Value: "android.permission.TRANSMIT_IR"

public static final String **UNINSTALL_SHORTCUT**

Allows an application to uninstall a shortcut in Launcher

Constant Value: "com.android.launcher.permission.UNINSTALL_SHORTCUT"

public static final String **UPDATE_DEVICE_STATS**

Allows an application to update device statistics.

Not for use by third-party applications.

Constant Value: "android.permission.UPDATE_DEVICE_STATS"

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public static final String **USE_CREDENTIALS**

Allows an application to request authtokens from the AccountManager

Constant Value: "android.permission.USE_CREDENTIALS"

---

public static final String **USE_SIP**

Allows an application to use SIP service

Constant Value: "android.permission.USE_SIP"

---

public static final String **VIBRATE**

Allows access to the vibrator

Constant Value: "android.permission.VIBRATE"

---

public static final String **WAKE_LOCK**

Allows using PowerManager WakeLocks to keep processor from sleeping or screen from dimming

Constant Value: "android.permission.WAKE_LOCK"

---

public static final String **WRITE_APN_SETTINGS**

Allows applications to write the apn settings.

Not for use by third-party applications.

Constant Value: "android.permission.WRITE_APN_SETTINGS"

---

public static final String **WRITE_CALENDAR**

Allows an application to write (but not read) the user's calendar data.

Constant Value: "android.permission.WRITE_CALENDAR"

---

public static final String **WRITE_CALL_LOG**

Allows an application to write (but not read) the user's contacts data.

Note: If your app uses the `WRITE_CONTACTS` permission and *both* your `minSdkVersion` and `targetSdkVersion` values are set to 15 or lower, the system

> implicitly grants your app this permission. If you don't need this permission, be sure your `targetSdkVersion` is 16 or higher.

Constant Value: "android.permission.WRITE_CALL_LOG"

public static final String **WRITE_CONTACTS**

Allows an application to write (but not read) the user's contacts data.

Constant Value: "android.permission.WRITE_CONTACTS"

public static final String **WRITE_EXTERNAL_STORAGE**

Allows an application to write to external storage.

> **Note:** If *both* your `minSdkVersion` and `targetSdkVersion` values are set to 3 or lower, the system implicitly grants your app this permission. If you don't need this permission, be sure your `targetSdkVersion` is 4 or higher.

Starting in API level 19, this permission is *not* required to read/write files in your application-specific directories returned by `getExternalFilesDir(String)` and `getExternalCacheDir()` .

Constant Value: "android.permission.WRITE_EXTERNAL_STORAGE"

public static final String **WRITE_GSERVICES**

Allows an application to modify the Google service map.

Not for use by third-party applications.

Constant Value: "android.permission.WRITE_GSERVICES"

public static final String **WRITE_HISTORY_BOOKMARKS**

Allows an application to write (but not read) the user's browsing history and bookmarks.

Constant Value: "com.android.browser.permission.WRITE_HISTORY_BOOKMARKS"

public static final String **WRITE_PROFILE**

Allows an application to write (but not read) the user's personal profile data.

Constant Value: "android.permission.WRITE_PROFILE"

public static final String **WRITE_SECURE_SETTINGS**

Allows an application to read or write the secure system settings.

Not for use by third-party applications.

Constant Value: "android.permission.WRITE_SECURE_SETTINGS"

public static final String **WRITE_SETTINGS**

Added in API level 1

Allows an application to read or write the system settings.

Constant Value: "android.permission.WRITE_SETTINGS"

public static final String **WRITE_SMS**

Added in API level 1

Allows an application to write SMS messages.

Constant Value: "android.permission.WRITE_SMS"

public static final String **WRITE_SOCIAL_STREAM**

Added in API level 15

This constant was deprecated in API level 21.
This functionality will be unsupported in the future; cursors returned will be empty. Please do not use.

Allows an application to write (but not read) the user's social stream data.

Constant Value: "android.permission.WRITE_SOCIAL_STREAM"

public static final String **WRITE_SYNC_SETTINGS**

Added in API level 1

Allows applications to write the sync settings

Constant Value: "android.permission.WRITE_SYNC_SETTINGS"

public static final String **WRITE_USER_DICTIONARY**

Added in API level 16

Allows an application to write to the user dictionary.

Constant Value: "android.permission.WRITE_USER_DICTIONARY"

public static final String **WRITE_VOICEMAIL**

Added in API level 21

Allows an application to modify and remove existing voicemails in the system

Constant Value: "com.android.voicemail.permission.WRITE_VOICEMAIL"

Public Constructors

public **Manifest.permission** ()

Added in API level 1