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## Restriction on enabling and disabling Wi-Fi

Apps targeting Android 10 or higher cannot enable or disable Wi-Fi. The `WifiManager.setWifiEnabled()` method always returns `false`.

If you need to prompt users to enable and disable Wi-Fi, use a [settings panel](#).

## Restrictions on direct access to configured Wi-Fi networks

To protect user privacy, manual configuration of the list of Wi-Fi networks is restricted to system apps and [device policy controllers \(DPCs\)](#). A given DPC can be either the device owner or the profile owner.

If your app targets Android 10 or higher, and it isn't a system app or a DPC, then the following methods don't return useful data:

- The `getConfiguredNetworks()` method always returns an empty list.

★ **Note:** If a carrier app calls `getConfiguredNetworks()`, the system returns a list containing only the networks that the carrier configured.

- Each network operation method that returns an integer value—`addNetwork()` and `updateNetwork()`—always

- GroupMgmtCipher
- WifiConfiguration.KeyMgmt
- WifiConfiguration.PairwiseCipher
- WifiConfiguration.Protocol
- WifiConfiguration.Status
- WifiEnterpriseConfig
- WifiEnterpriseConfig.Eap
- WifiEnterpriseConfig.Phase2
- WifiInfo
- WifiInfo.Builder
- WifiManager**
- WifiManager.LocalOnlyHotspotCallback
- WifiManager.LocalOnlyHotspotReservation
- WifiManager.MulticastLock
- WifiManager.ScanResultsCallback
- WifiManager.WifiLock
- WifiManager.WpsCallback
- WifiNetworkSpecifier
- WifiNetworkSpecifier.Builder
- WifiNetworkSuggestion
- WifiNetworkSuggestion.Builder
- WpsInfo

▸ Enums

- android.net.wifi.aware
- android.net.wifi.hotspot2
- android.net.wifi.hotspot2.omadm
- android.net.wifi.hotspot2.pps
- android.net.wifi.p2p
- android.net.wifi.p2p.nsd

## setWifiEnabled

Added in API level 1

Deprecated in API level 29

```
public boolean setWifiEnabled (boolean enabled)
```



**This method was deprecated in API level 29.**

Starting with Build.VERSION\_CODES#Q, applications are not allowed to enable/disable Wi-Fi. **Compatibility Note:** For applications targeting **Build.VERSION\_CODES.Q** or above, this API will always fail and return **false**. If apps are targeting an older SDK (**Build.VERSION\_CODES.P** or below), they can continue to use this API.

### Deprecation Exemptions:

- Device Owner (DO), Profile Owner (PO) and system apps.

Enable or disable Wi-Fi.

Applications must have the

[Manifest.permission.CHANGE\\_WIFI\\_STATE](#) permission to toggle wifi.

### Parameters

**enabled**

**boolean:** **true** to enable, **false** to disable.