How to Get Kali Linux on an iPhone

Running Kali Linux natively on an iPhone is not a straightforward process, as iPhones are locked down by Apple

and use an ARM-based architecture that doesn't naturally support Kali or other Linux distributions without significant modifications.

However, there are a few methods you can use to run a version of Kali or access its tools indirectly on your iPhone:

Method 1: Using a Jailbroken iPhone (Not Recommended for Beginners)

Jailbreaking is a process where you remove the restrictions imposed by Apple on your iPhone, which allows you to install unauthorized applications or operating systems like Kali Linux. Jailbreaking can be risky, as it may void warranties, cause instability, or even brick your device.

Steps:

1. Jailbreak Your iPhone: This will depend on your iPhone's iOS version, and you'll need to research appropriate tools like Checkra1n or unc0ver.

2. Install a Terminal Emulator or Linux Environment: After jailbreaking, you can install a terminal emulator such as Terminal or a Linux-based environment like iSH (which runs Alpine Linux) or UserLAnd.

3. Install Kali Linux Tools: You can use a package manager like apt or dpkg within the Linux environment to install Kali tools, but keep in mind that this will not be the full Kali experience.

Pros:

- Allows running some Kali tools directly on iPhone.

Cons:

- Jailbreaking comes with risks (security vulnerabilities, warranty voiding).

- Limited in terms of functionality.

Method 2: Use a Virtual Machine (More Stable)

You can access Kali Linux via a cloud-based virtual machine or remote server. This method does not require jailbreaking.

1. Set up Kali Linux on a Virtual Machine (e.g., using VMware, VirtualBox, or a cloud provider like AWS, Linode, etc.).

2. Connect using SSH or a Remote Desktop to your Kali virtual machine from the iPhone using an SSH client like Termius or a remote desktop app like VNC Viewer.

Pros:

- More stable and easier than jailbreaking.

- Full Kali Linux environment with all tools.

- No need to tamper with iPhone security.

Cons:

- Requires an internet connection.

- Some setups might be resource-intensive for limited network speeds.

Method 3: Using a Linux Emulation App (No Jailbreak Required)

You can use certain apps on the App Store or through third-party installations like UserLAnd or iSH to run a basic Linux environment on your iPhone.

1. Download iSH or UserLAnd: These apps offer terminal-based Linux distributions and support a variety of packages.

2. Install Kali Tools (Limited): Some tools from Kali may be installable, although you won't get the full Kali experience.

Pros:

- No need for jailbreaking.

- Simple setup.

Cons:

- Not a complete Kali experience.

- Limited by iPhone's resources and the emulation.

Method 4: Use a Cloud-based Kali Service

Some cloud platforms like Vultr, AWS, and Google Cloud offer easily accessible Kali Linux images for you to run in the cloud and access via a web browser or SSH.

Steps:

1. Sign up for a Cloud Provider and launch a Kali Linux instance.

2. Use SSH or Remote Desktop to access Kali Linux remotely from the browser or a mobile SSH client.

Pros:

- Full Kali tools available.

- No hardware limits.

Cons:

- Can incur costs, depending on usage.

- Requires a stable internet connection.

Conclusion:

The easiest and safest method to get Kali on iPhone is through remote access to a Kali Linux instance, either through a virtual machine or cloud-based service. Running Kali directly on the device requires jailbreaking, which can be risky and less stable for beginners.