

## Dvmap, Software S0420 | MITRE ATT&CK®

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Domain	ID	Name	Use
Mobile	<a href="#">T1407</a>	<a href="#">Download New Code at Runtime</a>	<a href="#">Dvmap</a> can download code and binaries from the C2 server to execute on the device as root. <sup>[1]</sup>
Mobile	<a href="#">T1404</a>	<a href="#">Exploitation for Privilege Escalation</a>	<a href="#">Dvmap</a> attempts to gain root access by using local exploits. <sup>[1]</sup>
Mobile	<a href="#">T1625</a>	<a href="#">.001</a> <a href="#">Hijack Execution Flow: System Runtime API Hijacking</a>	<a href="#">Dvmap</a> replaces <code>/system/bin/ip</code> with a malicious version. <a href="#">Dvmap</a> can inject code by patching <code>libdmv.so</code> or <code>libandroid_runtime.so</code> , depending on the Android OS version. Both libraries are related to the Dalvik and ART runtime environments. The patched functions can only call <code>/system/bin/ip</code> , which was replaced with the malicious version. <sup>[1]</sup>
Mobile	<a href="#">T1629</a>	<a href="#">.003</a> <a href="#">Impair Defenses: Disable or Modify Tools</a>	<a href="#">Dvmap</a> can turn off <code>VerifyApps</code> , and can grant Device Administrator permissions via commands only, rather than using the UI. <sup>[1]</sup>
Mobile	<a href="#">T1406</a>	<a href="#">Obfuscated Files or Information</a>	<a href="#">Dvmap</a> decrypts executables from archive files stored in the <code>assets</code> directory of the installation binary. <sup>[1]</sup>
Mobile	<a href="#">T1632</a>	<a href="#">.001</a> <a href="#">Subvert Trust Controls: Code Signing Policy Modification</a>	<a href="#">Dvmap</a> can enable installation of apps from unknown sources. <sup>[1]</sup>
Mobile	<a href="#">T1426</a>	<a href="#">System Information Discovery</a>	<a href="#">Dvmap</a> checks the Android version to determine which system library to patch. <sup>[1]</sup>

Source: <https://attack.mitre.org/software/S0420>