##### Description

It was noted that the root detection implemented on the UOB TMRW ID application can be bypassed using Magisk, a publicly available tool.

**Android**

* Filename: UOB\_TMRW\_ID\_UAT\_17\_0\_0\_43911\_e8b41bb25c21.apk
* SHA256: A4B7333BD0FF1C9ECA149D074E317D967185CE5FD75F0860694844933CB498D1

**Setup Details**

* Device: Pixel 4a
* Android Version: 11
* Magisk Version: 26301

**Steps to reproduce the finding:**

1. Install Magisk (26301) with Zygisk enabled.
2. Enable the Magisk modules – Zygisk - Lsposed, Denylist Unmount and Shamiko.
3. Hide the Magisk application.
4. Uncheck Enforce Denylist.
5. Add the UOB TMRW ID application to Denylist.
6. Install and Enable HideMyAppList, SSLUnpinning and IamNotADeveloper module in Lsposed.
7. Create a blacklist template and hide all the app except UOB TMRW ID.
8. Enable UOB TMRW ID application and apply the blacklist template

Screenshot 1: Magisk installed with Zygisk enabled

A screenshot of a phone

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Screenshot 2: Enabling Magisk modules, Denylist Unmount, Zygisk - Lsposed and Shamiko

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Screenshot 3: Hiding Magisk app, uncheck Enforce Denylist and add applications to Configure Denylist

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Screenshot 4: Adding UOB TMRW ID application to Denylist

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Screenshot 5: Download and Enable HideMyApplist, SSLUnpinning and IAmNotADeveloper modules.

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Screenshot 6: Launch HideMyApplist Under Template manage, create a blacklist template and hide all the app except UOB TMRW ID.

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Screenshot 7: Under App Manage, enable UOB TMRW ID application and apply the blacklist template.

A black screen with white text

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Screenshot 8: Root detection successfully bypassed, and the application can be used on a rooted device.

A screenshot of a computer screen

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