Technical Note

SKORPIO™ X5 PERMISSIONS FOR MDM AGENTS

Please be advised that both Skorpio X5 firmware 2.07.042 and 2.08.050 versions embed a flawed Google ManagedProvision app not setting the flag needed to whitelist device policy controller (DPC) applications such as an MDM agent.

This means that QR codes generated by AE QR Code Generator and QR codes generated by the MDM will cause ManagedProvision to install MDM agents without the necessary permissions to copy files on the device internal storage.

The results is that it will not be possible to apply a firmware update or a configuration file, or any other configuration that will require to download a file first (APK installs is excluded) through MDM.

A specific patch to fix this issue is available for all customers using MDM to deploy/configure Skorpio X5 (*whitelistingpatcher-v1_0_0-release.apk*) with previous mentioned firmware versions.

To be applied the patch must be installed with the same MDM and then started with the proper syntax.
The patch will check automatically if one the following most common MDMs has been installed on the device (in the following order):

- SOTI ("*net.soti.mobicontrol.androidwork*")
- AirWatch ("*com.airwatch.androidagent*")
- Avalanche ("*com.ivanti.enterprise*")

Otherwise, in case different MDM is adopted, it will be possible to specify the package name of its agent as launch parameter.

Syntax:

- NOT specifying agent package name (in general for SOTI, AirWatch, Avalanche)
  adb shell am start -a com.datalogic.android.whitelistingpatcher.intent.action.PATCH com.datalogic.android.whitelistingpatcher/.WhitelistingActivity
- Specifying agent package name (in general for all the others MDM)
  adb shell am start -a com.datalogic.android.whitelistingpatcher.intent.action.PATCH com.datalogic.android.whitelistingpatcher/.WhitelistingActivity --es datalogic.intent.extra.PACKAGE_NAME "*agent.package.name*"

At this point all necessary permissions will be provided to the specific MDM Agent in order to grant access to the internal storage.

Please note that starting from next version 2.09 the Skorpio X5 firmware will embed updated ManagedProvision app version patched by Google so that it will not be necessary to apply this patch anymore.

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MDM Samples

1. SOTI
   Syntax to be adopted in the package post-install script:
   ```
   sendIntent -a "intent:
   #Intent;component=com.datalogic.android.whitelistingpatcher/.
   WhitelistingActivity;action=com.datalogic.android.whitelistin
   gpatcher.intent.action.PATCH;end;"
   ```

2. AirWatch
   Syntax to be adopted in the component run intent action:
   ```
   mode=explicit,broadcast=false,action=com.datalogic.android.wh
   itelistingpatcher.intent.action.PATCH,package=com.datalogic.a
   ndroid.whitelistingpatcher,class=com.datalogic.android.whitel
   istingpatcher.WhitelistingActivity
   ```


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