[Android] Quality Control Validation

Pre-requisites

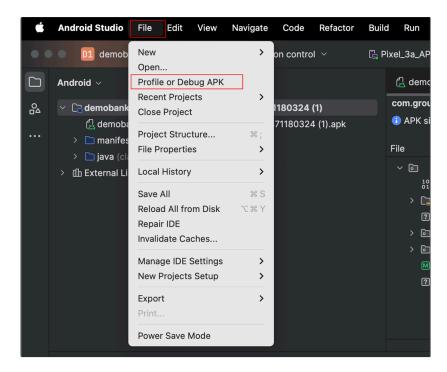
- 1. Download/Update Android Studio to the latest version
- 2. Retrieve the apk file from client
 - a. Enable debuggable log method
 - b. Disable SSL underpinning (Optional)

Rule of Thumb

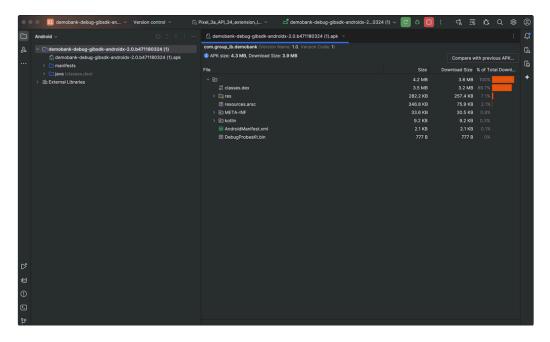
• Ensure that once the application is open, there is a session generated in the admin panel, this is a good indicator that the channel id and backurl used is correct.

Steps

1. In Android Studio application, select File and then Profile or Debug APK and then go to the directory of where the APK file is stored and open the file



2. Give some time to load the APK, once loaded, it should look like this.



3. Select the play button to begin the testing. This should also power on the emulator and the application should be loaded.

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Test Mobile Bank		
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Enter login		
SIGNIN		
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4. Open logcat to view the logs generated by the apk file.

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5. In the Logcat console, filter GIBSDK to view the Fraud Protection related logs.

🕒 Pixel 3a API 34 extension level 7 arm64-v8a (emulator 🗸			emulatoi 🗸	F. GIBSDK		
	2024-12-16 10:58:57.492	4719-4719	GIBSDK	com.group_ib.demobank	۷	[MobileSdk]: setCustomerId (gib-a-de-demo)
	2024-12-16 10:58:57.493	4719-4719		com.group_ib.demobank	v	[MobileSdk]: setTargetURL (<u>https://sb-de-back.group-ib.com/api/fl</u>)
	2024-12-16 10:58:57.493	4719-4719		com.group_ib.demobank	v	[MobileSdk]: setGlobalIdURL(<u>https://eu.id.group-ib.com/id.html</u>)
	2024-12-16 10:58:57.495	4719-4719		com.group_ib.demobank	v	[SharedSettings]: Public key to encrypt is set
	2024-12-16 10:58:57.496	4719-4719		com.group_ib.demobank	V	[MobileSdk]: Capability 'CellsCollectionCapability' enabled
	2024-12-16 10:58:57.496	4719-4719		com.group_ib.demobank	v	[MobileSdk]: Capability 'AccessPointsCollectionCapability' enabled
	2024-12-16 10:58:57.509			com.group_ib.demobank	v	[MobileSdk]: Capability 'LocationCapability' enabled
	2024-12-16 10:58:57.509	4719-4719		com.group_ib.demobank	v	[MobileSdk]: Capability 'ActivityCollectionCapability' enabled
	2024-12-16 10:58:57.509	4719-4719		com.group_ib.demobank	v	[MobileSdk]: Capability 'MotionCollectionCapability' enabled
	2024-12-16 10:58:57.509	4719-4719		com.group_ib.demobank	v	[MobileSdk]: Capability 'GlobalIdentificationCapability' enabled
	2024-12-16 10:58:57.509	4719-4719		com.group_ib.demobank	V	[MobileSdk]: Capability 'CloudIdentificationCapability' enabled
	2024-12-16 10:58:57.509	4719-4719		com.group_ib.demobank	v	[MobileSdk]: Capability 'PackageCollectionCapability' enabled
	2024-12-16 10:58:57.857	4719-4719		com.group_ib.demobank	v	[MobileSdk]: setSessionId()
	2024-12-16 10:58:57.860	4719-4719		com.group_ib.demobank	v	[Attributes]: setAttribute(csid,)
	2024-12-16 11:02:27.594	4970-4970		com.group_ib.demobank	v	[MobileSdk]: setCustomerId (gib-a-de-demo)
	2024-12-16 11:02:27.595	4978-4978		com.group_ib.demobank	v	[MobileSdk]: setTargetURL (<u>https://sb-de-back.group-ib.com/api/fl</u>)

6. Verify in Admin Panel that the session is generated.

Session: c0165c71-b933-11ef-90be-5afecafd07fd									
∓ Fiters: Event Deviceparameters Navigation Attributes Behavior									
2004/12:13 17:22:18 Session ID: c0165c71-6933-11ef-90be-Safecadd07fd Device ID: O 76515ce7-6800-4571-85cd-athc8e68a2dr Giobal ID: 4athc2db-3d48-491-9805-c8a4419/df73									
2024.12.13 17:22:18 & Ide	ntity session: () (mc:3ac36d08ff23fe8687c0374c3a166f045ces196ccdfda8e0%s587b4276031ab7								
2024.12.13 17:22:18	Android emulator usage detected								
17:22:18	Device Emulator used								
17:22:18									
	User platform info from JS: ranchu								
	Customer session ID: 0bcd2a7a-dac1-40f8-8d86-28514235f0e9								
	Attribute: user_jd: fmc:3ac36d08ff23fe8687c0374c3a166f045cea196ccdfda8e09a587b4276031ab7								
	User IP/ISP/chy/country: () 195.133.142.235 / Viewqwett / Singapore / Singapore								
	User useragent/platform/browser: Dalvik/21.1.0 (Linux; U; Android 14; sdk.gphone64.arm64 Build/UE1A.230829.050) / /								
	User screen: 808 x 993 x 24								
	User timezone: -480 min to UTC								
17:22:20									

7. [Pre-login] Verify that the correct methods are being used for identity and CSID (setLogin, setSessionId, setAttributes)

2024-12-16 11:57:34.381	1640-1640		com.group_ib.demobank	۷	[MobileSdk]: setSessionId()
2024-12-16 11:57:34.381	1640-1640	GIBSDK	com.group_ib.demobank	٧	[Attributes]: setAttribute(csid,)

8. [Post-login] Verify that the correct methods are being used for identity and CSID (setLogin, setSessionId, setAttributes)

2024-12-16 11:59:54.097	1640-1640	GIBSDK	com.group_ib.demobank	۷	[Attributes]: setAttribute(user_id, fdsfsfsd)
2024-12-16 11:59:54.098	1640-1640		com.group_ib.demobank	۷	[MobileSdk]: setSessionId(ad7fe8e2-4307-4623-9d0a-dbee251a20a8)
2024-12-16 11:59:54.098	1640-1640		com.group_ib.demobank	۷	[Attributes]: setAttribute(csid, ad7fe8e2-4307-4623-9d0a-dbee251a20a8)

OTE: Ensure that the setLogin, setIdentity and setAttributes methods are sending the values after the user has successfully logged in and is authorized, meaning after 2-FA, QR code authentication.

9. Verify that the capabilities that was enabled

2024-12-16 11:57:34.094	1640-1640	pid-1640	٧	[MobileSdk]: Capability	'CellsCollectionCapability' enabled
2024-12-16 11:57:34.095	1640-1640	pid-1640	۷	[MobileSdk]: Capability	'AccessPointsCollectionCapability' enabled
2024-12-16 11:57:34.095	1640-1640	pid-1640	۷	[MobileSdk]: Capability	'LocationCapability' enabled
2024-12-16 11:57:34.095	1640-1640	pid-1640	٧	[MobileSdk]: Capability	'ActivityCollectionCapability' enabled
2024-12-16 11:57:34.095	1640-1640	pid-1640	٧	[MobileSdk]: Capability	'MotionCollectionCapability' enabled
2024-12-16 11:57:34.095	1640-1640	pid-1640	٧	[MobileSdk]: Capability	'GlobalIdentificationCapability' enabled
2024-12-16 11:57:34.096	1640-1640	pid-1640	٧	[MobileSdk]: Capability	'CloudIdentificationCapability' enabled
2024-12-16 11:57:34.096	1640-1640	pid-1640	v	[MobileSdk]: Capability	'PackageCollectionCapability' enabled

10. Ensure that the identifiers such as identity, csid, device id, cloud id and global id are correctly populated in the admin panel.

Pointers to take Note

- Application send the identifiers after the user successfully logins, meaning after 2FA (if there is)
- If the user minimises / close the application and is required to relogin using PIN or biometrics, the application needs to send the identifiers as empty string, once the end user authenticates, the application should send the identifier values.
- Login values is persistent across user logins and it should match all channels.