VIVE Customized API Usage Flow

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Contents

About VIVE Customized API

The VIVE Customized API offers enterprise-level APIs for developers and independent software vendors, specifically designed for VIVE partners with experience in Android development. Developers using Unity or Unreal Engine please refer to the [VIVE Developer Resources](#) for relevant guidelines.

Compatible Devices and ROM

- VIVE Focus Vision FOTA 2.5 or later

- VIVE Focus 3 FOTA 6.5 or later

- VIVE XR Elite FOTA 7.4 or later

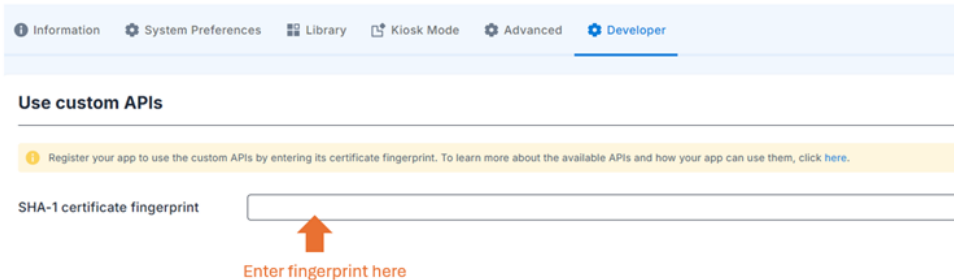## Get Your VIVE Customized API Experience Started

1. Set up SHA-1 fingerprint on the head via VB+

Pre-required

- Acitvitied VB+ organization
  - Log in VIVE Business+
- Headset with VIVE Business Warranty and Services

Steps

1. Enroll your device to VB+

2. Create Batch configuration to register your app to use the custom APIs by entering its certificate fingerprint
   ◦ △ Batch configuration features
   ◦
   ⓘ Information   ⚙ System Preferences   ▦ Library   ⌕ Kiosk Mode   ⚙ Advanced   ⚙ **Developer**

   Use custom APIs

   ⓘ Register your app to use the custom APIs by entering its certificate fingerprint. To learn more about the available APIs and how your app can use them, click here.

   SHA-1 certificate fingerprint [   ]

   ⬆
   Enter fingerprint here

2. Main step to use customized APIs

Pre-required

- Get the dependency libraries from VB+ > Download > API
- Obtain the sample documents from VB+ > Download > API

Steps

1. In dependencies, import libs

2. Add below permission to AndroidManifest.xml

```
<uses-permission android:name="com.htc.companionservice.permission.ACCESS_COMPANION_SERVICE" />
<uses-permission android:name="com.htc.enterpriservice.permission.ACCESS_ENTERPRISE_SERVICE" />
```

3. Call init() and make sure the CustomizedService is connected.

4. Call api() when needed
   Please refer to the sample codes that HTC provided.

3. Key features overview
Required VB+ config: 2.3.14 or later
Required Lib: 2.0.1 or later

Category	Features	Pro Tier	Ultimate Tier
Map Manager	Import/ Export / Clear Map	✔	✔
	Check md5 checksum of map	✔	✔
	Save LBE map	✔	✔
	Get/Set boundary size	✔	✔
	Get current tracking mode status	✔	✔
	Get boundary overlay visibility	✔	✔
	Trigger auto Floor Detection	✔	✔
	Trigger re-center	✔	✔
App Manager	Install app	✔	✔
	Uninstall app	✔	✔
	Get app info list	✔	✔
Device Manager	Shutdown/ reboot device	✔	✔
	Check Firmware	✔	✔
	Get controller information	✔	✔
	Pairing management	✔	✔
	IPD management	✔	✔
	WiFi management	✔	✔
	Casting management **(XR Elite: Not Supported)**	✔	✔
	VIVE Tutorial UI	✔	✔

VIVE Launcher Setting **(XR Elite: Not Supported)**	BT Setups	✔	✔
	WiFi Setups	✔	✔
	Boundary Setups	✔	✔
	MR Room Setup (Focus 3 not support)	✔	✔
Recording Manager	Video recording management		✔
	Screenshot management		✔

Note: Using the Recording Manager requires signing a legal agreement, and HTC will provide the additional feature to enable on VB+.