

# BitBar チュートリアル ガイド



エクセルソフト株式会社 作成: 2020.8.13

- 1 -

## BitBar チュートリアルとサンプル

#### BitBar について

BitBar は柔軟なクラウドベースのモバイル アプリ テスト プラットフォームであり、任意のフレ ームワークでの自動テスト、手動アプリ テスト、または実際の iOS および Android デバイスに 対する AI ドリブンのコードレス テストを実行できるため、顧客から報告された問題のトラブル シューティングと検証を行うことができます。

#### クイックスタート

このチュートリアルでは、iOS デバイスおよび Android デバイスでの自動テストとライブテスト について説明します。このチュートリアルで使用される iOS 用の .ipa ファイル、および Android 用の .apk ファイルは以下のリンクから入手してください。

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	Learn Git and GitHub without any code!				
	Using the Helio World guide, you'll start a branch, write comments, and open a pull request.				
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	Learn Git and GitHub without any code!						
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### ダッシュボード

BitBar ダッシュボードでは、Automated (自動)、Live (ライブまたは手動)、または Al-Driven のテ ストをすばやく作成し、使用統計、テスト実行データ、および使用したデバイスデータを表示 および分析できます。



チュートリアルでは、「第1章 iOS デバイス」と「第2章 Android デバイス」のテストに分けて記載します。

## <u>第1章:</u>iOS デバイスのテスト

### **1.Automation Testing**

ダッシュボードで [Create Automated Test] ボタンをクリックして、Automated Test を作成します。



### Step 1: ターゲットデバイスを選択 [Select a target OS type]

ここでは、iOS デバイスを選択します。

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3	Choose files	
	O Meason select if amount that	
4	Choose devices	
	O Please select framework first	
	Create and run automated test	
G	Additional settings (optional)	
	Click here to expand this section.	

### Step 2: フレームワークを選択 [Select a framework]

アプリケーションをテストするフレームワークを選択します。iOS と Android で使用できるテストフレームワークは異なります。このチュートリアルでは、[AI Testbot iOS] を選択します。

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»	Create Automated Test									۲
(III)	<ol> <li>Select a target OS type</li> </ol>									P Fort
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	Click to choose or upload file									
	4 Choose devices									

### Step 3: アップロードするファイルを選択 [Choose files]

[Click to choose or upload file] のボタンをクリックして、.ipa のファイルをアップロードします。

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サンプルとして用意されている bitbar-ios-sample.ipa を使用し、[Use Selected] ボタンを選択して サンプルを選択します。このサンプルの.ipa ファイルは、下記のサイトから入手できます。

https://github.com/bitbar/test-samples/tree/master/apps/ios

Files Library The Search Determated discending The Search Determat

ここで [Action for this file] のドロップダウンリストで [Install on this device] が選択されているこ とを確認してください。

Select a target OS typ	e					
iOS 105	Andreid	Desktop				
<ol> <li>Select a framework</li> </ol>						
Appium IOS Server Side	XCTest	XCUITest	Al Testbot IOS	Mobile Browser Testing		
Allows running Appium, Bobot Framework,	XCTest Xccdc's default unit testing framework	XCUTTest Woode Integrated UI swittesting framework	At driven exploration testing imited by test	Run automated, visual, and manual tests on		
Sidenium, Xamarin Ulifest or even custom Framework-based tests	supporting asserting application UI doments. NOTE application needs to be built for testing	using RCTest assertions to validate expected outcomes	execution time No Test file needed	2050+ real browsers and mobile devices. Test more browsers, in less time.		
	-	NOTE, your application needs to be built for testing				
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Selected framework requires App wit	h extension: Ipa					
bitbar-ios-sample.ipa		Create Time 08/12/2020 14:	02:59		ID 132705466	
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Step 4: デバイスを選択します [Choose devices]

[Use existing device group] または [Use chosen device] を選択します。

* selecto	I framework requires App with extension: apk			
<b>—</b>	bitbar-semple-app.apk poplication/vnd.android.package archive anion for this file: Install on the device v	Create Time 08/06/2020 15:17:24 Size 192:348	ID 132584834	
Click to c	noose or upload file			
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O Use ex	isting device group			
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[Use chosen device] 選択した場合、評価版をご利用の場合は、デバイス名の右に ⑤表記がない デバイスのみご利用いただけます。



### Step 5: 追加設定を選択 [Additional settings (optional)]

デバイスの言語設定を日本語に変更するオプションがあります。灰色のテキストをクリックして、オプションメニューを展開します。

»	Selected framework require	res App with extension: ipa			
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EB	<ul> <li>Use existing device group</li> <li>Trial IOS dimices</li> </ul>	9			
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			Create and run automated test		
6	Additional settir	ngs (optional)			
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Name	roject X	Name	Test Run X	Select language	English, United States 🛛 👻	Time-out	30 minutes
new project will be created an	d here you can name it.	You can give a name to you	ir test run.	You can choose language t	at will be set on each device	You can set a timeout period tests Some values are available or	I - to avoid loosing excessive time during ily for premium users!
cheduling		Use test cases from		Test case options		Test finished hook	
Run tests on devices	Simultaneously ~	v use.ti	est.case	Include	to include	Hook URL	http://
vote that running tests when lo ndividually.	gin is required may need to be run			Exclude Note that these options are	to exclude used only when value is entered.	Setting the hook URL - the P	OST call will be sent there
						Screenshots configuration	n
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						You can define a custom dire from /sdcard/test-screen	ectory. If empty, screenshots will be fetche shots
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Eustom test runner							
lustom test runner Use specific test runner	android.test.InstrumentationTr	Login	secretlogin				

### 結果報告

結果のダッシュボードでは、ユーザーはデバイスの使用状況の統計、コンソールログ、デバイスの OS の統計、テスト実行の概要、スクリーンショット、ビデオを見ることができます。結果が出るまでに 3~4 分かかります。

結果を表示するには、[Go to results] ボタンをクリックします。





### 2. Live Testing

制限付きのライブテストセッション時間 (評価ユーザーの手動テストセッションは4分に制限 されています)。[Start Live Testing] ボタンをクリックして、ライブテストを開始します。

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このチュートリアルでは、Apple iPhone SE 2020 A2296 13.4.1 を選択します。

Choose device to sta	art new session (278)			0	Search III a
▼ Filters ¥	Apple iPhone 7 A1778 13.4.1	Apple Phone 8 12.1 -US	Apple iPhone SE 2020 A2296 13:4.1	Google Pixel 3a Android 10	LG Google Nexus 5 6.0.1
API Level Android version	105 13.4.1 1334 x 750   4.7*	105 12:1.2 1334 x 750   4.7*	105 13.4.1 1334 x 750   4.7*	Android 10 1080 x 2220   5.6*	Android 6.0.1 Full HD (1520 x 1080)   4.957
IOS Version     Manufacturer	IG Goode News 5 DR20 5 0	Motomia Gootle News 5 5 0 1	Motorola Gonele Nexus 6711	Anar Kranis RI-A71	Annie Barl Ar 2 J 5
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Screen resolution	Apple IPad Mini 3 A1599	Apple Pat Mini 3 A1599	Apple Pad Pro 9.7 A167	Apple IPad Pro A1584 1	Apple IPhone 11 A2221
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デバイスを選択すると、ライブテストを行うことができます。



表示されたセクションでファイルをアップロードできます。



以上で iOS デバイスのチュートリアルは終了です。

## 第2章: Android デバイスのテスト

## 1. Automation Testing

ダッシュボードで [Create Automated Test] ボタンをクリックして、Automated Test を作成します。

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### Step 1: ターゲットデバイスを選択 [Select a target OS type]

ここでは、Androidデバイスを選択します。

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Creat	te Automated Test					
0	Select a target OS type		_			
	ios ios	Android	Desktop			
2	Select a framework					
	Android Instrumentation	Appium Android Server Side	Al Testbot	Mobile Browser Testing		
	Espresso and Andreid Instrumentation support	Run Detox, Robot Framework, Selenium, Xamarin UI.Test or custom framework-based tests with this framework as well	Al driven exploration testing limited by test execution time No Test file needed	Run automated, visual, and manual tests on 2050+ real browsers and mobile devices. Test more browsers, in less time.		
3	Choose files					
_	Please select framework first					
	0					
4	Choose devices					

### Step 2: フレームワークを選択 [Select a framework]

アプリケーションをテストするフレームワークを選択します。iOS と Android で使用できるテストフレームワークは異なります。このチュートリアルでは、[AI Testbot] を選択します。

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<b>*:</b> ধ্ব		ios	Android	Desktop							k the Code
<u>88</u>	2	Select a framework									
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	3	Choose files	'		-						
		Selected framework requires App with example.	extension: apk								
		No files selected. You can choose up to	o 3 files.								
		Click to choose or upload file									
	4	Choose devices									
0/1		• Use existing device group									

### Step 3: アップロードするファイルを選択 [Choose files]

[Click to choose or upload file] Oボタンをクリックして、.apk Oファイルをアップロードします。

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サンプルとして用意されている bitbar-sample-app.apk を使用し、[Use Selected] ボタンを選択し てサンプルを選択します。このサンプルの.apk ファイルは、下記のサイトから入手できま す。

https://github.com/bitbar/test-samples/tree/master/apps/android

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0/1					

ここで [Action for this file] のドロップダウンリストで [Install on this device] が選択されていることを確認してください。

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bitbar-sample-app application/vnd.an Action for this file:	Lapk droid.package-archive Install on the device ~	Create Time 08/31/2020 15 Size 102.5KB	54:47	ID 133199171		
Click to choose or upload	file					

### Step 4: デバイスを選択します [Choose devices]

[Use existing device group] または [Use chosen device] を選択します。

	Android Instrumentation	Side	Al Testbot	Mobile Browser Testing		
	Espresso and Andreid Instrumentation support	Run Detox, Robot Framework, Selenium,	Al driven exploration testing limited by test	Run automated, visual, and manual tests on		
		tests with this framework as well	No Test file needed	2050+ real provisers and mobile devices. Lest more browsers, in less time.		
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Motorola Moto X Ghost XT (§	Motorola Moto X Play	motorola Moto Z2 -US	Motorola MotoG3	Nvidia Shield Tablet	NVIDIA SHIELD Tablet K1
ा गुल्ला - गुल्ला - इ.स. क्य	6				
OnePlus ST A5010	OnePlus 6 A6003 (\$)	OnePlus Two A2001	OnePlus X E1001	OnePlus X E1003	Samsung Galaxy J5 SM-J50 S
		<b>.</b>	<u></u>		
Samsung Galaxy A3 SM-A3 S	Samsung Galaxy A5 SM-A5 S	Samsung Galaxy A6 SM-A6 S	Samsung Galaxy A7 SM-A7 (S	Samsung Galaxy A8 SM-A5 (§	Samsung Galaxy J3 Luna P S
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### Step 5: 追加設定を選択 [Additional settings (optional)]

デバイスの言語設定を日本語に変更するオプションがあります。灰色のテキストをクリックして、オプションメニューを展開します。

υ	P Selected framework requires App with extension: Ipa		
20 20 20	bithar-ios-sample.jpa application/bitelistream Action for this file: Install on the device	Create Time: 08/12/020 14:24:04 Size: 141-248	10 1327/3728 *
	Click to choose or upload file Choose devices		
8 68 7	Use existing device group     Trial IOS devices		×
	Ute chasen devices Citick to chaste devices Other selected. No devices selected. No an currently life device(s)		1
		Create and run automated test	
6	Additional settings (optional)		
	You can here set and change variou modi	Click here to expand this section. Is properties related to test execution. These properties include by scheduling, passing parameters and manage other test run co	e giving this run project and test run names, onfigurations.

rogectionic		Test run name		Language		Test time-out period		
Name	Project X	Name	Test Run X	Select language	English, United States	Time-out	30 minutes	
A new project will be create	d and here you can name it.	You can give a name to y	You can give a name to your test run.		hat will be set on each device	You can set a timeout perio	d - to avoid loosing excessive t	
						Some values are available o	nly for premium users!	
Scheduling		Use test cases from	Use test cases from			Test finished hook		
Run tests on devices	Simultaneously v	v use	lest.case	Include	to include	Hook URL	http://	
Note that running tests who include allo	n login is required may need to be run				to exclude	Setting the hook URL - the POST call will be sent there		
indirid dainy.				Note that these options an	e used only when value is entered.			
						Screenshots configurati	on	
						Screenshots directory	/sdcard/test-screensh	
						You can define a custom dir from /sdcard/test-screen	ectory. If empty, screenshots whots	
Custom test runner		Test user credentials		Custom test run param	neters			
Custom test runner								
Custom test runner Use specific test runn	android.test.InstrumentationT	Login	secretlogin					

### 結果報告

結果のダッシュボードでは、ユーザーはデバイスの使用状況の統計、コンソールログ、デバイスの OS の統計、テスト実行の概要、スクリーンショット、ビデオを見ることができます。結果が出るまでに 3~4 分かかります。

結果を表示するには、[Go to results] ボタンをクリックします。

BitBar				\$\$ \$ \$
Last Test Runs				D Last 5 @
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codyenchilada301@gmail.com		Motorola Google Nexus 6 7.1.1		
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b.	<sup>smartbear</sup> BitBar							Buy	8 \$	?	8
»	@ Projects » Device Session										
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ି କ୍ଷ <u>111</u>	Motorola Google Nexus 6 7.1.1										
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	& Timing		😋 Running (3 03:14.6		Plase type your name to proceed	person, name	person, serve		(#101_14TH		
	Compared to other devices in this test	run	Sending results () 00:13.2								
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@ 0/1	Device Time Summed duration of steps during install and Running. This is the time that you are paying for.	Value: 03:14.6 Min: 03:14.6 Avg: 03:14.6 Median: 03:14.6			What is the test any birth your representation of the provided representation of the provided representation representation of the provided representation of the provided representation representation of the provided representation of the provided	Control of the second sec	What is the set of the				

## 2. Live Testing

制限付きのライブテストセッション時間 (評価ユーザーの手動テストセッションは4分に制限 されています)。[Start Live Testing] ボタンをクリックして、ライブテストを開始します。

b.	smartbear BitBar					■uy 🔺 🗄 🏟 🖓 ֎
>> COBILE	\$	Automation Testing Testan app using your own automation scripts Create Automated Test	Live Testing Start testing your app on one Start Live Testing	of our many devices	Al-driven T Use Al Testbet Start Al Testb	esting a perform exploratory testing of your app te
\$ 100 0	٠	Users Used Devices	₫		Fest Runs     6     Drow ruening	Test Run Success Ratio 100% from the last 38 days
AVEB		Device Execution Summary from the last 20 Test Runs		Project 1 Project 2 Project 2 Project 4 Al Touthor (2002) 122. Project 6	Project Test Case Su	ccess Ratio
			Last 10 T	lest Runs		
	State	Test Run	Project		Success Ratio	
	•	Test Run 1	Project 6			0.0%
		Test Run 1	Al Testbot 08062020-152958			102.0%

このチュートリアルでは、Motorola Google Nexus 67.1.1 を選択します。

Choose device to star	t new session (275)			Q	Search 🗎 🕈
Filters     Filters     Device groups	Apple iPhone 7 A1778 13.4.1	Apple iPhone 8 12.1 -US	Apple iPhone SE 2020 A2296 13.4.1	Google Pixel 3a Android 10	LG Google Nexus 5 6.0.1
API Level	IOS 13.4.1 1334 x 750   4.7"	IOS 12.1.2 1334 x 750   4.7"	iOS 13.4.1 1334 x 750   4.7*	Android 10 1080 x 2220   5.6*	Android 6.0.1 Full HD (1920 x 1080)   4.95*
iOS Version	i i	i	i	1 	i
Manufacturer	LG Google Nexus 5 D820 5.0	Motorola Google Nexus 6 6.0.1	Motorola Google Nexus 6 7.1.1	Acer Iconia B1-A71	Apple iPad Air 2 -US
CPU	Android 5.0	Android 6.0.1	Android 7.1.1	Android 4.1.2	105 12.1.4
GPU	Full HD (1920 x 1080)   4.95"	QHD (2560 x 1440)   6"	QHD (2560 x 1440)   6*	WSVGA (1024 x 600)   7*	QXGA (2048 x 1536)   9.7"
OpenGL ES version	I I	1	1 I	della.	· · · · · · · · · · · · · · · · · · ·
RAM	Apple IDad &ir 2 A1666	Apple iDad Air 41474 11	Appla iDad Air A1474 12	Apple (Pad Mini 7 A1490	Apple IPad Mini 2 A1400
Internal storage	Apple Pad All 2 A1500			Apprelinad Willing 2 AP405	Appre ir ad mini 2 Ariso
Instruction set	iOS 12.0.1 QXGA (2048 x 1536)   9.7*	IOS 11.2.6 QXGA (2048 x 1536)   9.7*	IOS 12.4.4 QXGA (2048 x 1536)   9.7"	OS 12.1.4 QXGA (2048 x 1536)   7.9"	IOS 11.2.6 QXGA (2048 x 1536)   7.9"
Screen resolution			• a		1
UI	Apple IPad Mini 3 A1599	Apple iPad Mini 3 A1599	Apple iPad Pro 9.7 A167	Apple Pad Pro A	Apple iPhone 11 A2221
Camera		_			-
Supported frameworks	OXGA (2048 x 1536)   7.9"	OS 12.4.5 QXGA (2048 x 1536)   7.9*	IOS 13.3.1 QXGA (2048 x 1536)   9.7*	105 11,2,6 2048 x 2732   12,9"	105 13.0 1792 x 828   6.1"

デバイスを選択すると、ライブテストを行うことができます。



表示されたセクションでファイルをアップロードできます。

b. BitBar		Buy 🗄 🕸	ଡ	Ð
Actions	<	Motorola Google Nexus 6 7.1.1		
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Logs	<		Android	1
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Do items available Upload or choose filles +			Inge device	

以上で Android デバイスのチュートリアルは終了です。

### お問合せ先

### エクセルソフト株式会社

http://www.xlsoft.com/jp/services/contact.html