SyncTool QR码生成规则

Exported on 07/27/2024 By Jon

a版本	修订记录
2.0	整改数据，合并到Settings项
2.1	删除Scan-Symbol重复项GS1_DATABAR_CONVERT_TO_UPC_EAN、COMPOSITE_CC_AB_ENABLE、UPC_COMPOSITE

数据以"#!EZKITGO"开头+Json格式的数据。所有数据可单独配置生成二维码。但是需要完整的上级TAG。

1、SCAN

json 生成格式："Scan":{

"SCANNER_ENABLE":1,a'd

"VIRTUAL_BUTTON":0,

"SCANNER_MODES":0

...

}

1.1 Reader

名称	参数	可选参数	默认值
Enable	a0	Enable 1 Disable 0	1
Virtual Button	a1	Enable 1 Disable 0	0

1.2 Scan Mode

名称	参数	可选参数	默认值
Scan Mode	a2	integer[0,2] ●Press code scanning and release stop ●Press code scanning until timeout ●Continuous scanning	0
Continuous decoding interval setting	a3	integer[30,3000]	30

1.3 Decode Mode

名称	参数	可选参数	默认值
Decode Mode	a4	integer[0,5] ●Intent Output ●Direct Fill ●Clipboard ●Key Event output ●Fill And Intent ●Replace Focus	1
Broadcast Intent Action	a5	string	com.android.scanner.broadcast
Broadcast Intent String Extra	a6	string	scandata
Broadcast Intent Bytes Extra	a7	string	scandata_array
Barcode end character	a8	integer[0,4] ●None ●ENTER ●SPACE ●TAB ●Done	1
Control character	a9	string	
Filter Web URL	aa	Enable 1 Disable 0	0
Filter SyncTool QCode	ab	Enable 1 Disable 0	0
Characters delay(ms)	ac	integer[0,1000]	0

Key event delay(ms)	ad	integer[0,1000]	0

1.4 Decode Reminder

名称	参数	可选参数	默认值
Audio	ae	integer[0,9] ●Audio None ●Audio 1 ●Audio 2 ●Audio 3 ●Audio 4 ●Audio 5 ●Audio 6 ●Audio 7 ●Audio 8 ●Audio 9	1
Vibration	af	Enable 1 Disable 0	0
Indiactor	a10	Enable 1 Disable 0	1

1.5 Coding Format

名称	参数	可选参数	默认值

| Coding Format | a11 | integer[0,12]
●UTF-8
●US-ASCII
●ISO-8859-15
●GBK
●UTF-16
●windows-1251
●windows-1250
●KOI8R
●UTF-8 & G
●ISO-8859-1
●BIG5
●SHIFT-JIS
●windows-1256 | 0 |

1.6 Label Format

名称	参数	可选参数	默认值
Transmit Code ID Character	a12	integer[0,3] ●None ●AIM Code ID Character ●Symbol Code ID Character ●Symbol Character and AIM	0
Application Identifier	a13	Enable 1 Disable 0	0
Delete nonprinting characters	a14	Enable 1 Disable 0	0
Send as hex	a15	Enable 1 Disable 0	0

Barcode Append Formatting	a16	integer[0.6] ●None ●Prefix ●Suffix ●Prefix and Suffix ●Pattern ●Replace ●Replace,Prefix and Suffix	0
Barcode Prefix	a17	string	
Barcode Suffix	a18	string	
Barcode Formatting	a19	string	
Barcode Replace Target	a1a	string	
Barcode Replace Replacement	a1b	string	
Match Substring Mode	a1c	integer[0,5] ●None ●Begin Index ●Match Substring ●Remove The Front Characters ●Remove The Back Characters ●Remove The Front And Back Characters	0
Match Begin Index	a1d	integer[0,1000]	0
Substring Length	a1e	integer[-1,1000]	-1
Match Substring	a1f	string	0

1.7 Advance Settings

名称	参数	可选参数	默认值
Disable Scan Key	a20	Enable 1 Disable 0	0
Decode Session Timeout	a21	integer[1,10000]	5000
Phone Display Mode	a22	Enable 1 Disable 0	0
Illum And Aim Mode	a23	integer[0,3] ●ILLUM_AIM_OFF ●ILLUM_OFF ●AIM_OFF ●ILLUM_AIM_ALWAYS	3
Illumination Power Level	a24	integer[0,10]	3
Picklist Mode	a25	Enable 1 Disable 0	0

1.8 Symbology Settings 码制相同的请归为一类显示。

码制	名称	参数	可选值	默认值
UPC-A	Enable	a26	Enable 1 Disable 0	1
UPC-A	Transmit Check Digit	a27	Enable 1 Disable 0	1

UPC-A	Preamble	a28	integer(0,1,2) ●None ●System Character ●System Character and Country Code	1
UPC-A	Convert to EAN-13	a29	Enable 1 Disable 0	0
UPC-A	Add-On Code Required	a2a	integer(0,1,2,3,4) ●None ●2-Digit ●5-Digit ●Autodiscriminate ●Always Required	0
UPC-A	UPCA Coupon	a2b	Enable 1 Disable 0	0
UPC-A	Coupon Required	a2c	Enable 1 Disable 0	0
UPC-A	Gs1 Coupon	a2d	Enable 1 Disable 0	0
UPC-E	Enable	a2e	Enable 1 Disable 0	0
UPC-E	Transmit Check Digit	a2f	Enable 1 Disable 0	1
UPC-E	Preamble	a30	integer(0,1,2) ●None ●System Character ●System Character and Country Code	1
UPC-E	Convert to UPC-A	a31	Enable 1 Disable 0	0

UPC-E	Add-On Code Required	a32	integer(0,1,2,3,4) ●None ●2-Digit ●5-Digit ●Autodiscriminate ●Always Required	0
UPC-E1	Enable	a33	Enable 1 Disable 0	0
UPC-E1	Transmit Check Digit	a34	Enable 1 Disable 0	1
UPC-E1	Preamble	a35	integer(0,1,2) ●None ●System Character ●System Character and Country Code	1
UPC-E1	Convert to UPC-A	a36	Enable 1 Disable 0	0
UPC-E1	Add-On Code Required	a37	integer(0,1,2,3,4) ●None ●2-Digit ●5-Digit ●Autodiscriminate ●Always Required	0
EAN-13	Enable	a38	Enable 1 Disable 0	1
EAN-13	Transmit Check Digit	a39	Enable 1 Disable 0	1
EAN-13	Bookland EAN	a3a	Enable 1 Disable 0	0

EAN-13	Bookland ISBN Format	a3b	integer(0,1) ●ISBN-10 ●ISBN-13	0
EAN-13	ISSN EAN	a3c	Enable 1 Disable 0	1
EAN-13	Add-On Code Required	a3d	integer(0,1,2,3,4) ●None ●2-Digit ●5-Digit ●Autodiscriminate ●Always Required	0
EAN-8	Enable	a3e	Enable 1 Disable 0	1
EAN-8	Transmit Check Digit	a3f	Enable 1 Disable 0	1
EAN-8	Convert to EAN13	a40	Enable 1 Disable 0	0
EAN-8	Add-On Code Required	a41	integer(0,1,2,3,4) ●None ●2-Digit ●5-Digit ●Autodiscriminate ●Always Required	0
UPC/EAN/JAN	Add-On Code Required	a42	integer(0,1,2,3,4) ●None ●2-Digit ●5-Digit ●Autodiscriminate ●Always Required	0

UPC/EAN/JAN	UPC/EAN Security Level	a43	integer(0,1,2,3) ●Level 0 ●Level 1 ●Level 2 ●Level 3	0
UPC/EAN/JAN	Supplemental Redundancy	a44	integer[1,20]	1
UPC/EAN/JAN	UCC Coupon Extended Code	a45	Enable 1 Disable 0	0
UPC/EAN/JAN	Coupon Report	a46	integer(0,1,2) ●Old ●New ●Both	0
UPC/EAN/JAN	UPC Reduced Quiet Zone	a47	Enable 1 Disable 0	0
Code 128	Enable	a48	Enable 1 Disable 0	1
Code 128	Length1	a49	integer[1,80]	1
Code 128	Length2	a4a	integer[1,80]	80
Code 128	GS1-128 Enable	a4b	Enable 1 Disable 0	1
Code 128	GS1-128 Truncate leading 0	a4c	integer(0,1,2) ●Disable ●All Leadting 0 ●Only the first 0	0
Code 128	ISBT 128 Enable	a4d	Enable 1 Disable 0	1
Code 128	Check ISBT Table	a4e	Enable 1 Disable 0	1

Code 128	ISBT Concatenation	a4f	integer(0,1,2) ●Disable ●Enable ●Autodiscriminate	0
Code 128	Reduced Quiet Zone	a50	Enable 1 Disable 0	1
Code 128	Code 128 Security Level	a51	integer(0,1,2,3) ●Level 0 ●Level 1 ●Level 2 ●Level 3	0
Code 128	Ignore Code 128(FNC4)	a52	Enable 1 Disable 0	0
Code 128	Code 128 Out Of Spec	a53	integer[0,15]	7
AIM128	Enable	a54	Enable 1 Disable 0	0
AIM128	Length1	a55	integer[1,127]	1
AIM128	Length2	a56	integer[1,127]	127
Code 39	Enable	a57	Enable 1 Disable 0	1
Code 39	Check Digit	a58	Enable 1 Disable 0	0
Code 39	Transmit Check Digit	a59	Enable 1 Disable 0	0
Code 39	Full ASCII Conversion	a5a	Enable 1 Disable 0	0
Code 39	Length1	a5b	integer[1,55]	2

Code 39	Length2	a5c	integer[1,55]	55
Code 39	Reduced Quiet Zone	a5d	Enable 1 Disable 0	1
Code 39	Code 39 Security Level	a5e	integer(0,1,2,3) ●Level 0 ●Level 1 ●Level 2 ●Level 3	0
Code 39	Trioptic Code 39	a5f	Enable 1 Disable 0	0
Code 39	Convert Code 39 to Code 32	a60	Enable 1 Disable 0	0
Code 39	Code 32 Prefix	a61	Enable 1 Disable 0	0
Code 93	Enable	a62	Enable 1 Disable 0	0
Code 93	Check Digit	a63	Enable 1 Disable 0	0
Code 93	Transmit Check Digit	a64	Enable 1 Disable 0	0
Code 93	Length1	a65	integer[1,80]	4
Code 93	Length2	a66	integer[1,80]	55
Interleaved 2 of 5	Enable	a67	Enable 1 Disable 0	1
Interleaved 2 of 5	Check Digit	a68	Enable 1 Disable 0	0

Interleaved 2 of 5	Transmit Check Digit	a69	Enable 1 Disable 0	0
Interleaved 2 of 5	Length1	a6a	integer[2,80]	6
Interleaved 2 of 5	Length2	a6b	integer[2,80]	55
Interleaved 2 of 5	Convert I 2 of 5 to EAN-13	a6c	Enable 1 Disable 0	0
Interleaved 2 of 5	Reduced Quiet Zone	a6d	Enable 1 Disable 0	1
Interleaved 2 of 5	I 2 of 5 Security Level	a6e	integer(0,1,2,3) ●Level 0 ●Level 1 ●Level 2 ●Level 3	1
Discrete 2 of 5(Industrial 2 of 5)	Enable	a6f	Enable 1 Disable 0	0
Discrete 2 of 5(Industrial 2 of 5)	Check Digit	a70	Enable 1 Disable 0	0
Discrete 2 of 5(Industrial 2 of 5)	Transmit Check Digit	a71	Enable 1 Disable 0	0
Discrete 2 of 5(Industrial 2 of 5)	Length1	a72	integer[4,55]	4
Discrete 2 of 5(Industrial 2 of 5)	Length2	a73	integer[4,55]	48
Matrix 2 of 5	Enable	a74	Enable 1 Disable 0	0
Matrix 2 of 5	Check Digit	a75	Enable 1 Disable 0	0

Matrix 2 of 5	Transmit Check Digit	a76	Enable 1 Disable 0	0
Matrix 2 of 5	Length1	a77	integer[4,80]	4
Matrix 2 of 5	Length2	a78	integer[4,80]	55
IATA25	Enable	a79	Enable 1 Disable 0	0
IATA25	Check Digit	a7a	Enable 1 Disable 0	0
IATA25	Transmit Check Digit	a7b	Enable 1 Disable 0	0
IATA25	Length1	a7c	integer[4,80]	4
IATA25	Length2	a7d	integer[4,80]	80
Code 11	Enable	a7e	Enable 1 Disable 0	0
~~Code 11~~	~~Check Digit~~		~~integer(0,1,2)~~ ~~●Disable~~ ~~●One Check Digit~~ ~~●Two Check Digit~~	~~0~~
Code 11	Check Digit	a7f	integer(0,1,2,3,4,5) ●Disable ●MOD11 ●Only MOD11/MOD11 ●Only MOD11/MOD9 ●Auto MOD11/MOD11 ●Auto MOD11/MOD11	0
Code 11	Transmit Check Digit	a80	Enable 1 Disable 0	0
Code 11	Length1	a81	integer[1,80]	4

Code 11	Length2	a82	integer[1,80]	55
Codabar	Enable	a83	Enable 1 Disable 0	1
Codabar	NOTIS Editing	a84	Enable 1 Disable 0	0
Codabar	CLSI Editing	a85	Enable 1 Disable 0	0
Codabar	Length1	a86	integer[2,60]	6
Codabar	Length2	a87	integer[2,60]	55
Codabar	Codabar Security Level	a88	integer(0,1,2,3) ●Level 0 ●Level 1 ●Level 2 ●Level 3	1
China Post	Enable	a89	Enable 1 Disable 0	0
China Post	Length1	a8a	integer[4,80]	4
China Post	Length2	a8b	integer[4,80]	80
MSI Plessey	Enable	a8c	Enable 1 Disable 0	0
MSI Plessey	Check Digits	a8d	integer(0,1,2) ●None ●One Check Digit ●Two Check Digit	0
MSI Plessey	Transmit Check Digit	a8e	Enable 1 Disable 0	0

MSI Plessey	Check Digit Algorithm	a8f	integer(0,1) ●MOD 10/MOD 11 ●MOD 10/MOD 10	0
MSI Plessey	Length1	a90	integer[4,55]	4
MSI Plessey	Length2	a91	integer[4,55]	55
GS1 DataBar Family	GS1 DataBar-14	a92	Enable 1 Disable 0	0
GS1 DataBar Family	Convert to UPC/EAN	a93	Enable 1 Disable 0	0
GS1 DataBar Family	GS1 DataBar Limited	a94	Enable 1 Disable 0	0
GS1 DataBar Family	GS1 DataBar Expanded	a95	Enable 1 Disable 0	0
GS1 DataBar Family	Length1	a96	integer[1,80]	1
GS1 DataBar Family	Length2	a97	integer[1,80]	74
GS1 DataBar Family	GS1 DataBar Limited Security Level	a98	integer(0,1,2,3) ●Level 0 ●Level 1 ●Level 2 ●Level 3	3
GS1 DataBar Family	RSS Enable	a99	Enable 1 Disable 0	1
GS1 DataBar Family	Transmit AI(10)	a9a	Enable 1 Disable 0	0
~~GS1 DataBar Family~~	~~Convert to UPC/EAN~~		~~Enable 1~~ ~~Disable 0~~	~~0~~

Composite	Composite CC-A/B	a9b	Enable 1 Disable 0	0
Composite	Composite CC-C	a9c	Enable 1 Disable 0	0
Composite	Composite TLC-39	a9d	Enable 1 Disable 0	0
Composite	UPC Composite Mode	a9e	integer(0,1,2) ●Never Linked ●Always Linked ●Autodiscriminate	0
Composite	GS1-128 Emulation Mode	a9f	Enable 1 Disable 0	0
~~Composite~~	~~Composite Enable~~		~~Enable 1~~ ~~Disable 0~~	~~0~~
~~Composite~~	~~UPC Composite Enable~~		~~Enable 1~~ ~~Disable 0~~	~~0~~
PDF417	Enable	aa0	Enable 1 Disable 0	1
MicroPDF417	Enable	aa1	Enable 1 Disable 0	0
Han Xin	Enable	aa2	Enable 1 Disable 0	0
Han Xin	Inverse	aa3	integer(0,1,2) ●Regular Only ●Inverse Only ●Inverse Autodetect	0
Han Xin	Mirror	aa4	integer(0,1,2) ●Regular Only ●Mirrored Only ●Auto-discriminate	0

Data Matrix	Enable	aa5	Enable 1 Disable 0	1
Data Matrix	Length1	aa6	integer[1,3166]	1
Data Matrix	Length1	aa7	integer[1,3166]	3166
Data Matrix	Inverse	aa8	integer(0,1,2) ●Regular Only ●Inverse Only ●Inverse Autodetect	0
Data Matrix	Mirror	aa9	integer(0,1,2) ●Regular Only ●Mirrored Only ●Auto-discriminate	0
Maxicode	Enable	aaa	Enable 1 Disable 0	1
QR Code	Enable	aab	Enable 1 Disable 0	1
QR Code	Inverse	aac	integer(0,1,2) ●Regular Only ●Inverse Only ●Inverse Autodetect	0
QR Code	Mirror	aad	integer(0,1,2) ●Regular Only ●Mirrored Only ●Auto-discriminate	0
Micro QR	Enable	aae	Enable 1 Disable 0	0
Aztec	Enable	aaf	Enable 1 Disable 0	1

Aztec	Inverse	ab0	integer(0,1,2) ●Regular Only ●Inverse Only ●Inverse Autodetect	0
Aztec	Mirror	ab1	integer(0,1,2) ●Regular Only ●Mirrored Only ●Auto-discriminate	0
Grid Matrix	Enable	ab2	Enable 1 Disable 0	0
Grid Matrix	Inverse	ab3	integer(0,1,2) ●Regular Only ●Inverse Only ●Inverse Autodetect	0
Grid Matrix	Mirror	ab4	integer(0,1,2) ●Regular Only ●Mirrored Only ●Auto-discriminate	0
DotCode	Enable	ab5	Enable 1 Disable 0	0
DotCode	Inverse	ab6	integer(0,1,2) ●Regular Only ●Inverse Only ●Inverse Autodetect	0
DotCode	Mirror	ab7	integer(0,1,2) ●Non-Mirrored Only ●Mirrored Only ●Auto-discriminate	0
DotCode	Prioritize	ab8	Enable 1 Disable 0	0

CodablockF	Enable	ab9	Enable 1 Disable 0	0
CodablockF	Length1	aba	integer[1,2048]	1
CodablockF	Length2	abb	integer[1,2048]	2048
Postal Codes	Korean Post	abc	Enable 1 Disable 0	0
Postal Codes	Postal Lists	abd	integer(0,1,2) ●Disabled ●Australia Post ●Royal Mail	0
Postal Codes	US Postnet	abe	Enable 1 Disable 0	0
Postal Codes	Send US POSTNET Check Digit	abf	Enable 1 Disable 0	1
Postal Codes	US Planet	ac0	Enable 1 Disable 0	0
Postal Codes	Send US Postal Check Digit	ac1	Enable 1 Disable 0	1
Postal Codes	UK Postal(Royal Mail)	ac2	Enable 1 Disable 0	0
Postal Codes	Send UK Postal Check Digit	ac3	Enable 1 Disable 0	1
Postal Codes	USPS 4CB(Intelligent Mail)	ac4	Enable 1 Disable 0	0
Postal Codes	UPU FICS Postal	ac5	Enable 1 Disable 0	0
Postal Codes	Australia Post	ac6	Enable 1 Disable 0	0

Postal Codes	Australia Post Format	ac7	integer(0,1,2,3) ●Autodiscriminate ●Raw Format ●Alphanumeric ●Numeric	0
Postal Codes	Netherlands KIX Code	ac8	Enable 1 Disable 0	0
Postal Codes	Japan Postal	ac9	Enable 1 Disable 0	0
Postal Codes	Send Japan Postal Check Digit	aca	Enable 1 Disable 0	0
Binary Code	Enable	acb	Enable 1 Disable 0	0
DPM Mode	Enable	acc	integer(0,1,2) ●Disable ●Dotpeen ●Reflective	0
~~OCR Mode~~	~~Enable~~		~~Enable 1~~ ~~Disable 0~~	~~0~~
OCR Mode	Enable	acd	integer(0,1,2,3) ●Off ●Normal Video ●Inverse,Both	0
~~OCR Mode~~	~~OCR Template~~		~~integer(0,1,2,3,4)~~ ~~●User Defined~~ ~~●Passport~~ ~~●ISBN~~ ~~●Price Field~~ ~~●MicrE-13 B~~	~~0~~

注：划掉删除线的属于相同项单个扫描头不同于其他扫码头的，暂时搁置。

2、 DeviceControl

json 生成格式："Device Control":{Object{...}}

名称	参数	参数说明	可选参数	默认值
IME Auto Pop-up	b0	软键盘自动弹出	Enable 1 Disable 0	1
Disable IME Pop-up	b1	禁止软键盘弹出	Enable 1 Disable 0	0
StatusBar	b2	状态栏使能	Enable 1 Disable 0	1
Back Button	b3	返回键使能	Enable 1 Disable 0	1
Home Button	b4	主页键使能	Enable 1 Disable 0	1
Recent Button	b5	任务键使能	Enable 1 Disable 0	1
NTP Server	b6	NTP服务器地址	string	
Self-running Application	b7	自启动应用	string ComponentName格式(包名\/类名)	
Default Launcher	b8	默认桌面	string ComponentName格式(包名\/类名)	
NTP Update Interval	b9	时间同步间隔	integer[0,5] 3\6\9\12\18\24	

json 生成格式：

```
{
"auto_popup":1,
"disable_popup":0,
"status_bar":1,
"back":1,
"home":1,
"recent":1,
"ntp_server":"",
"self_running":"",
"default_launcher":""
}
```

3、Settings

json 生成格式："Settings":{Object{...}}

3.1 Network

名称	参数	参数说明	可选参数	默认值
Wi-Fi	c0	Wi-Fi状态	Enable 1 Disable 0	1
Add Wi-Fi	c1	参考add wifi，可配置多项		
Delete Wi-Fi	c15	删除已保存的Wi-Fi	string	

Add Wi-Fi

名称	参数说明	可选参数	默认值
Wi-Fi	Wi-Fi名称	string	
Hidden network	隐藏的wifi	boolean(true,false)	false
Security	安全性	integer[0,4] ●None ●WEP ●WPA/WPA2-Persional ●WPA3-Personal ●WPA/WPA2/WPA3-Enterprise	WPA/WPA2-Persional
Password	Wi-Fi密码	string 隐藏输入值*	

当Security为WPA/WPA2/WPA3-Enterprise时，需要提供证书

名称	参数说明	可选参数	默认值
EAP	EAP模式	string(TLS，PEAP)	TLS
Certificate	证书	证书格式为.p12 仅显示.p12文件上传。web需要传到hyd OTA服务器然后给出http地址	
Domain	Domain	string	
Identity	ID	string	
Password	证书密码	string	

json 生成格式："Network":

{

"wifi_on":1,

"Configs":[

["HYDAP5G",false,2,"hydap303","","","",""],

["HYDAP",false,4,"hydap303","TLS","htts://****.p12","ID","12345"]

]

}

3.2 Connection devices

名称	参数	参数说明	可选参数	默认值
Bluetooth	c2	蓝牙状态	Enable 1 Disable 0	1
NFC	c3	NFC状态	integer (0,1)	1

json 生成格式："Network":

{

"bluetooth_on":1,

"NFC":1

}

3.3 Display

名称	参数	参数说明	可选参数	默认值
Display size	c4	屏幕显示大小	(small,default,large)	default
Notifications on lock screen	c5	锁屏显示通知	Enable 1 Disable 0	1
Brightness level	c6	屏幕亮度	integer[1,100] 可滑动选择	100
Screen timeout	c7	屏幕超时	(15s,30s,1min,2min, 5min,10min,30min,never)	60000 (转成ms)
Font size	c8	字体大小	(small,default,large,largest)	default
Auto-rotate screen	c9	自动旋转	Enable 1 Disable 0	0

json 生成格式："Display":

{

"display_density_forced":"default",

"lock_screen_allow_private_notifications":1,

"screen_brightness":100,

"screen_off_timeout":60000,

"font_scale":default,

"accelerometer_rotation":0

}

3.4 Sound

名称	参数	参数说明	可选参数	默认值
Media volume	ca	媒体音量	integer[1,15]可滑动选择	7
Call volume	cb	通话音量	integer[1,7]可滑动选择	5
Ring¬ification volume	cc	铃声和通知音量	integer[1,15]可滑动选择	11
Alarm volume	cd	闹钟音量	integer[1,15]可滑动选择	13

json 生成格式："Sound":

{

"volume_music_speaker":15,

"volume_voice_earpiece":7,

"volume_ring_speaker":15,

"volume_alarm_speaker":15

}

3.5 Location

名称	参数	参数说明	可选参数	默认值
Location	ce	定位开关	Enable 1 Disable 0	1
Wi-Fi scanning	cf	wlan扫描定位	Enable 1 Disable 0	0
Bluetooth scanning	c10	bt扫描定位	Enable 1 Disable 0	0

json 生成格式："Location"

{

"location_mode":1,

"wifi_scan_always_enabled":0,

"ble_scan_always_enabled":0

}

3.6 System

名称	参数	参数说明	可选参数	默认值
Languages	c11	系统语言	String	zh-CN，完整列表请参考附录：z0.2 语言代号
Time zone	c12	默认时区	String	Asia\/Shanghai，完整列表请参考附录：z0.1 时区代号
Use network-provided time	c13	网络同步时间	Enable 1 Disable 0	1
Automatic time zone	c14	网络同步时区	Enable 1 Disable 0	1
Use 24-hour format	c16	24小时制	Enable 1 Disable 0	0

json 生成格式："System":

{

"locale":"zh-CN",

"timezone":"Asia\/Shanghai"

"auto_time":1,

"auto_time_zone":1

}

3.7 Secure

名称	参数	参数说明	可选参数	默认值
Screen Lock	c17	锁屏方式	string(none, swipe)	
Factory Reset	c18	恢复出厂设置	boolean	false

4、Kiosk Mode

json 生成格式："Kiosk":{Object{...}}

名称	参数	参数说明	可选参数	默认值
Admin password	d0	企业桌面管理员密码	String	
Launcher Application	d1	企业桌面显示的应用	String 应用包名使用","分隔开	
User Settings	d2	企业桌面用户设置项	String,可选以下列表 "wlan","bt","display","sound","location","language","date"	
Title Display	d3	桌面标题显示	integer[0,6] ●App Name ●SN ●Wi-Fi IP ●Wi-Fi Mac ●Wi-Fi SSID ●Device Name ●Date	0
Layout Setting	d4	桌面每行显示几个图标	integer(0,1,2) ●3X ●4X ●5X	1
Use Customized Wallpapers	d5	是否显示自定义壁纸	boolean	false
Wallpaper	d6	壁纸资源	文件传输格式Config 示例 ["2","http://"], 第一个参数表示选择方式，第二参数表示路径	

| Theme Color	d7	主题颜色	integer(0,4) ●Blue ●Cyan ●Green ●Pink ●Violet	0

文件传输格式Config

文件源	设备路径	
File	Local	string 当为本地时，先上传到HYD ota，再提供https地址： https://osupdate.hyatta.cn:9999/uploads/xx/xxxx
	FTP	string，格式：ftp://os:password@ota.ezkit.net/my_file
	HTTP	string
	HTTPS	string

json 生成格式："Kiosk":

{

"admin_pwd":"",

"launcher":"",

"user_settings":""

}

5、Wi-Fi Manager

名称	参数	参数说明	可选参数	默认值
Disable 5G Wi-Fi	e0	启用、禁用5G	integer(0,1,2) ●2.4G only ●5G only ●Automatic	2
Wi-Fi allow list	e1	白名单	string 使用逗号隔开	
Wi-Fi block list	e2	黑名单	string 使用逗号隔开	
Wi-Fi Country/Area Code	e3		参考附录Wi-Fi ：z0.3 Wi-Fi Country/Aera Code	
Enable Fast Roaming	e4	启用快速漫游	boolean	true
Roam threshold	e5		integer	70 dBm
Roam delta	e6		integer	5 dBm
Enable Fast Transition	e7		boolean	true

6、Local OTA

名称	参数	参数说明	可选参数	默认值
Enable	f0	启用、禁用OTA升级	boolean	true
URL	f1	OTA 地址	文件传输格式Config 示例 ["2","http://"], 第一个参数表示选择方式，第二参数表示路径	

文件传输格式Config

File	Local	string 当为本地时，先上传到HYD ota，再提供https地址： https://osupdate.hyatta.cn:9999/uploads/xx/xxxx
	FTP	string，格式：ftp://os:password@ota.ezkit.net/my_file
	HTTP	string
	HTTPS	string

7、Certificates Manager

名称	参数	参数说明	可选参数	默认值
Certificate File	g0	证书文件，.cert, .p12	文件传输格式Config	1
Destination Path	g1	目录路径可统一定位/sdcard/synctool/tmp/？加密保护？	string	
Password	g2	一般仅证书的密码	string	
Type	g3	Wi-Fi System，一般为CA Apps	interger(0,1,2) ●System ●VPN & App user ●Wi-Fi	

8、Intent

名称	参数	参数说明	可选参数	默认值
Type	h0	Intent 使用场景	integer(0,1) ● broadcast ● application	0
Package Name	h1	包名	string	
Class name	h2	类名	string	
Intent Action	h3	Action名称	string	
Intent Extra Data	h4	Extra 参数	json数组 Extra格式Config 示例：[[type,name,value],[type,name,value]]	

Extra格式Config

名称	参数说明	可选参数
Extra Type		integer(0,5) ●Integer ●Float ●String ●Boolean ●Long(8 Bytes) ●Double(8 Bytes)
Extra Name		string

Extra Value		stirng

9、File Manager

名称	参数	参数说明	可选参数	默认值
Type	i0	文件操作	integer[0,4] ●Download ●Copy ●Delete ●Move ●Replace	
Source Path	i1	源文件路径	String/Json Array	Download时参考文件传输格式Config
Destination Path	i2	目标文件路径	String	

10、Application Manager

名称	参数	参数说明	可选参数	默认值
Type	j0	类型	integer(0,1,2) ●install 显示j1-j5 ●uninstall 显示j6 ●launch 显示j6 j7	
Application Path	j1	应用路径	文件传输格式 Config	
Grant permissions	j2	获取所有权限	boolean	
Install from unknown sources	j3	安装未知来源	boolean	
Set device owner	j4	设置Do权限	String 填写包名/类名	
~~Set device admin~~	~~j5~~	~~设置Da权限~~	~~String 填写包名/类名~~	
Package name of app	j5	包名	string	
Class name of app	j6	类名	string	

11、Configuration Manager

名称	参数	参数说明	可选参数	默认值
Source Path	k0	源文件路径	文件传输格式 Config	

文件传输格式Config

File	Local	string 当为本地时，先上传到HYD ota，再提供https地址： https://osupdate.hyatta.cn:9999/uploads/xx/xxxx
	FTP	string，格式：ftp://os:password@ota.ezkit.net/my_file
	HTTP	string
	HTTPS	string

x0 cipherlab

CipherLab软件配置流程

1. 创建project：aaa

2. 选择配置项目

3. 配置并保持

4. 保存项目会生成若干.json配置文件
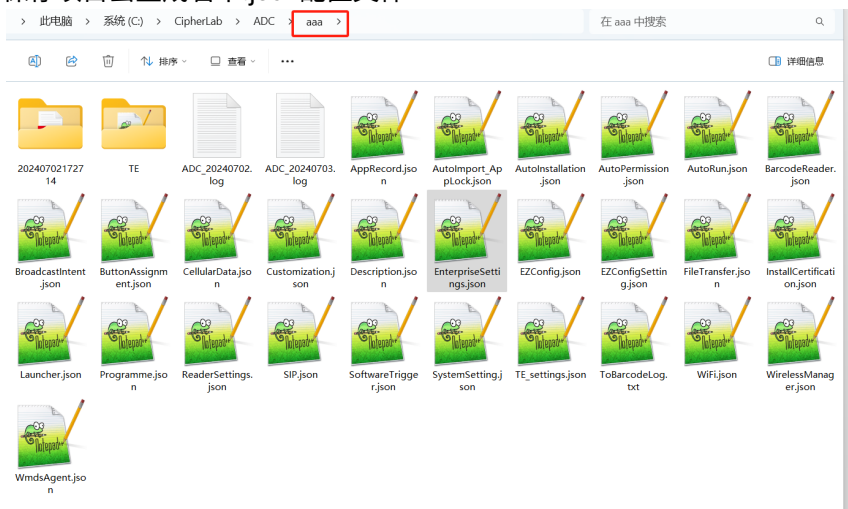
5. 部署：通过adb将配置文件同步到PDA

需求中涉及的文件管理、配置文件上传，都依赖cipherlab实现方式。

HYD的网络备份sync_tool.tar格式：
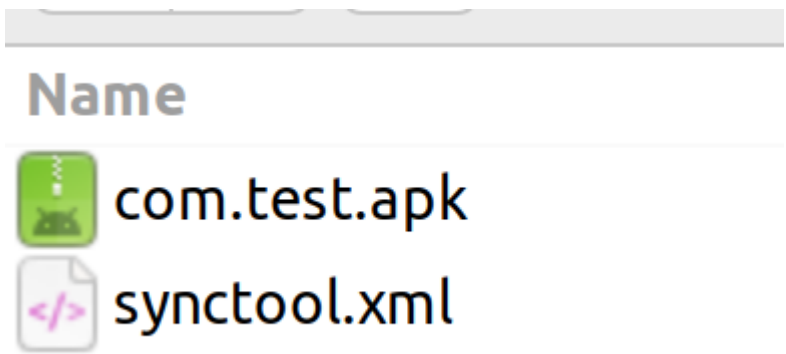
需求汇总：

ScanCity_requir..._240628_04.xlsx

x1 Add Wi-Fi

名称	参数说明	可选参数	默认值
Wi-Fi	Wi-Fi名称	string	
Hidden network	隐藏的wifi	boolean(true,false)	false
Security	安全性	string(SAE,nopass,WPA,WEP, EAP)	WPA
Password	Wi-Fi密码	string 隐藏输入值*	

当Security为WPA/WPA2/WPA3-Enterprise时，需要提供证书

名称	参数说明	可选参数	默认值
EAP	EAP模式	string(TLS，PEAP)	TLS
Certificate	证书	证书格式为.p12	
Identity	ID	string	
Password	证书密码	string	

增加Show Advanced Options

Network Name (SSID)	HYDAP
Security	802.1x EAP
EAP Method	PEAP
Certificate File	tls-eap
Identity	test@hyd.test
Password	••••••••

☑ Show advanced options

| Proxy | None |
| IPv4 settings | DHCP |

其中，

Proxy	代理方式	String(None，Manaul，Proxy Auto-Config)	
IP settings		string(DHCP, Static)	
Privacy		• Use randomized MAC(default) • Use device MAC	

delete network

Connect	Add wifi后是否连接		
Forget	SSID		

x2 文件传输（File Transfer)

文件传输

	文件源	设备路径	
File	Local	string 比如"/Download"	
	FTP	string，格式：ftp:// os:password@ota.ezkit.net/my_file	
	HTTP	string	
	HTTPS	string	

文件修改

	文件源	目标路径	
Copy	string /Download/a.txt	string /Download/a_bak.txt	
Delete	string /Download/a.txt	无	

	文件源	目标路径	
Move	string /Download/a.txt	string /Doc/a.txt	
Replace	string /Download/a.txt	string /Download/b.txt	

ⓘ 参考设计中，源文件存放在PC/project/下，部署时通过adb同步到设备指定目标路径下。

HYD设计时需要注意

x3 Settings/Security

Screen lock	string(none, Swipe）		

x4 Settings/Languages

应可选，
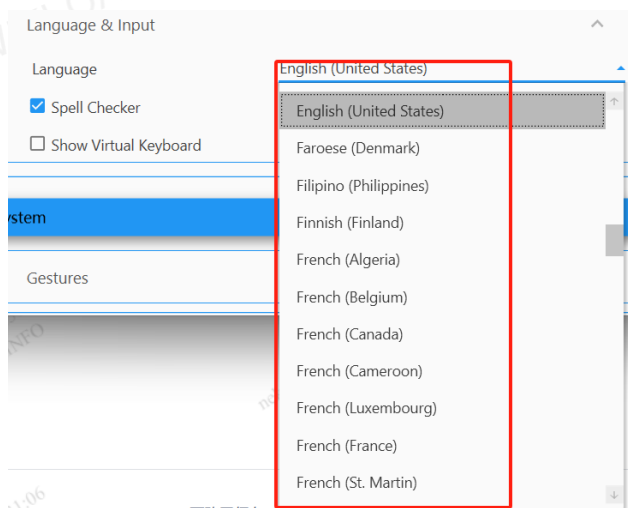
而非手动输入
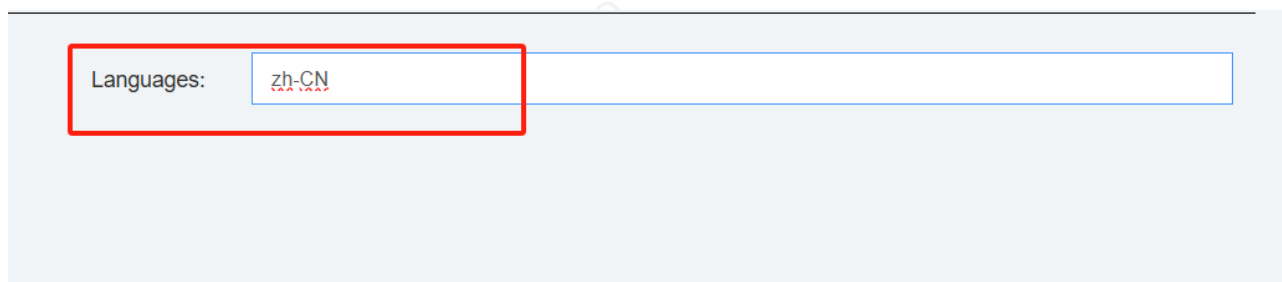
x5 wifi/漫游 设置

	Wi-Fi Frequency Band	Auto 2.4GHz Only 5GHz Only		
	Enable Fast Roaming	true, false		
WiFi Proprietary	Conutry Code	Auto 可选		
	Roam treshold	70 dBm		
	Roam delta	5 dBm		
	Enable Fast Transition	true, false		

File Transfer

Apps

Barcode Reader

Wireless Manager

Wi-Fi Settings

Advanced

Cellular Data

Terminal Emulation

AppLock

System Settings

EZConfig

Enterprise Settings

Customize

Compilation

Broadcast Intent

WLAN Preferences　　Cipherlab Proprietary Settings　　Channel Selection

Wi-Fi Frequency Band　　　　　　　　Automatic ▼

☑ Roaming Enable

Roaming Trigger　(-70 dBm)

Roaming Delta　(5 dBm)

☑ Enable Fast Transition

Background Scan Interval　　　　　　Per 20 seconds ▼

Set Country Code　　　　　　　　　Auto ▼

☑ Enable WLAN Blacklist

☐ Wi-Fi Connection Timeout

Set Timeout Value　(30)

☐ Captive Portal Detection

☐ IP Reachability Monitor

x6 恢复出厂设置

Factory Reset	true, false		

x7 Install configuration through QR

URL			
FTP			
SD Card			

x8 Local OTA server
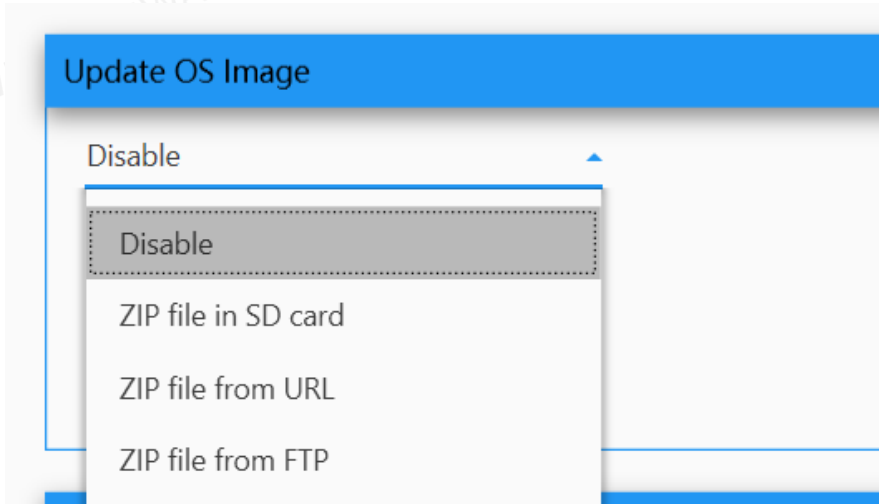
		default	
Enable	true, false	true	
URL	ZIP file from URL		
FTP	ZIP file from FTP: ftp://ota:pwd@ota.ezkit.net/my_ota.zip		
SD Card	ZIP file in SD Card		

x9 Kiosk Mode
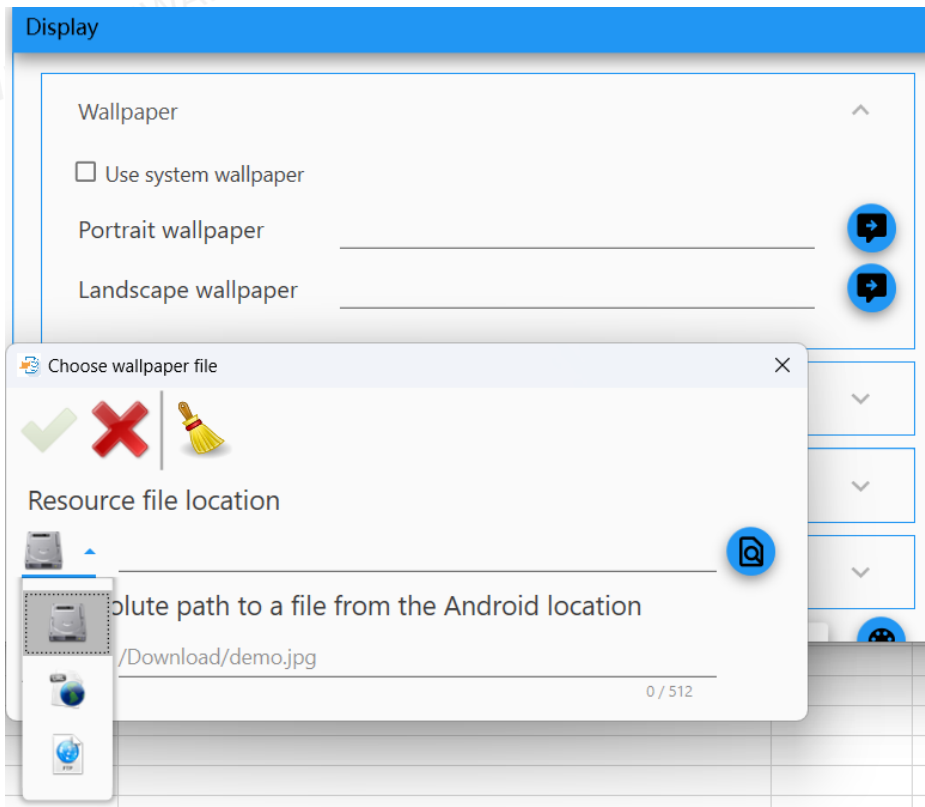
	源文件	目标路径	
Wallpaper	本地	SD Card	
	HTTP	SD Card	
	ftp(ftp://ota:pwd@ota.ezkit.net/my_ota.zip)	SD Card	

x10 Disable ADB for user

进入Kiosk后禁止打开开发者选项

		default	
Diable ADB	true, false	true	

x11 Install certificates

Name			
Certificate File	证书文件，.cert, .p12		
Destination Path	目录路径可统一定位/sdcard/synctool/tmp/? 加密保护？		
Password	一般仅证书的密码		
Type	Wi-Fi System，一般为CA Apps		

File Transfer

Apps

Barcode Reader

Wireless Manager

Wi-Fi Settings

Cellular Data

Terminal Emulation

AppLock

System Settings

EZConfig

Enterprise Settings

Customize

Settings Certificate

Name

Certificate File

Destination Path

Password

Type Wi-Fi

x12 Broadcast Intent

Profile Name	支持多个intent，通过name区分		
Package Name			
Class name			
Intent Action			
Intent Extra Data	Extra Type	Integer Float String Boolean Long(8 Bytes) Double(8 Bytes)	
	Extra Name		
	Extra Value		

x13 Application Manager

operation	param	
Install, Uninstall, Launch app	string(install, uninstall, launch)	
Grant permissions	string(all)	
Install from unknown sources	true, false	
Set device owner	true, false	
Path to app http://prodtsdload1z502.h.o3.ru/apk/updater.apk	ftp, https, local 当为local时：先上传本地APK到HYD ota，再提供该apk的url ftp格式：ftp://os:password@ota.ezkit.net/my_app.apk	
Delay (if you need for actions like upload app, set permissions, delay, install app, delay, launch app)	true, false	
Set device admin	true, false	
Class name of app	string(net.ezkit.test)	

```
"Application":{
    "operation":"install",
    "all permissions": "true",
    "device admin": "false",
    "device owner": "false",
    "install unknown": "false",
    "class name": "net.ezkit.test",
    "path to app": "http://prodtsdload1z502.h.o3.ru/apk/updater.apk"
}
```

New

Type

Auto Installation & Auto Run & Auto Permission

ftp://User:Passwoard@192.168.1.1:21/File/test.apk

0 / 512

Filename | Please enter the full file name and extension

0 / 128

Package Name | Please enter the package name of android app

0 / 128

☐ All Permission

☐ Device Admin

☐ Install Unknown

☐ Device Owner

Class Name

0 / 128
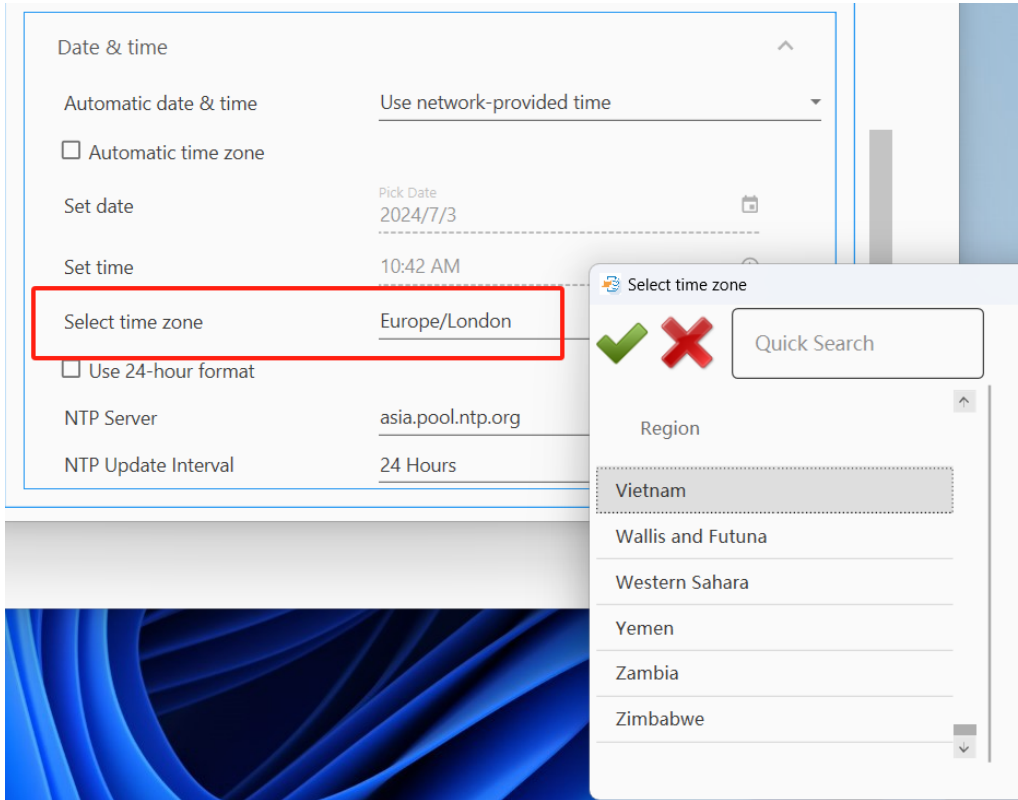
Execution Conditions | Right Away

x14 Settings for times

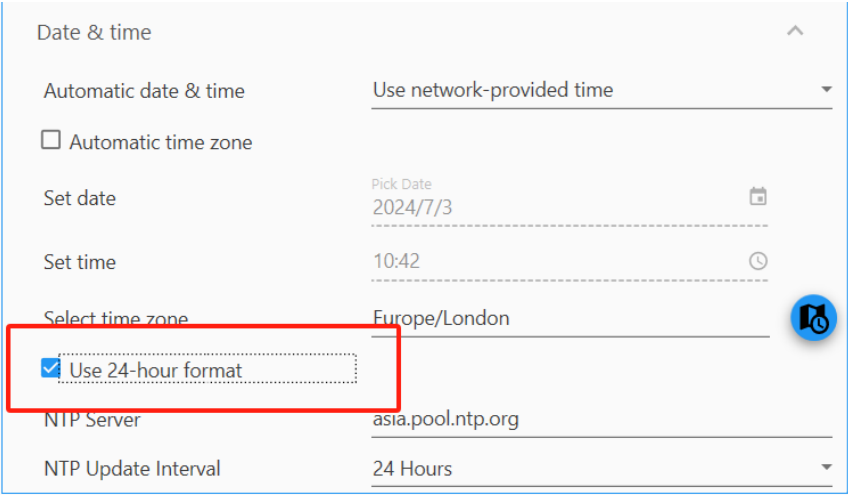修改：时区应可选而非手动输入

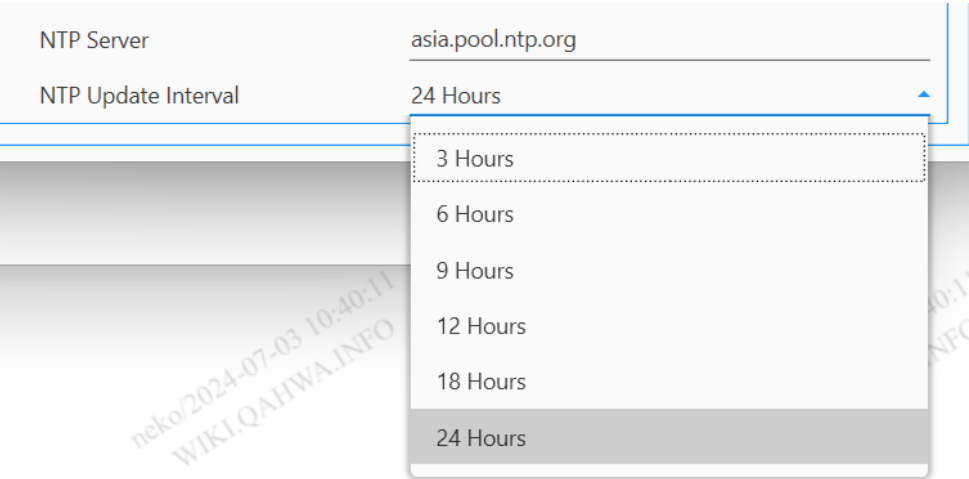| Time zone:	AsiaVShanghai

参考：

Time format

新增：24小时制支持

		default	
Use 24-hour format	true, false	false	

新增：时间同步间隔

NTP Update Interval	时间间隔可选		

x15 配置文件上传（s7,8,9)

配置文件：json、证书等，生成类似网络备份、恢复时的synctool.jar

QR码包含的配置			
QR码中的URL对应的文件：证书、apk、scanwedge配置等			

z0 附录

z0.1 时区代号

```
Pacific\/Midway
Pacific\/Honolulu
America\/Anchorage
America\/Los_Angeles
America\/Tijuana
America\/Phoenix
America\/Chihuahua
America\/Denver
America\/Costa_Rica
America\/Chicago
America\/Mexico_City
America\/Regina
America\/Bogota
America\/New_York
America\/Caracas
America\/Barbados
America\/Halifax
America\/Manaus
America\/Santiago
America\/St_Johns
America\/Recife
America\/Sao_Paulo
America\/Argentina\/Buenos_Aires
America\/Godthab
America\/Montevideo
Atlantic\/South_Georgia
Atlantic\/Azores
Atlantic\/Cape_Verde
Etc\/UTC
Africa\/Casablanca
Europe\/London
Europe\/Amsterdam
Europe\/Belgrade
Europe\/Brussels
Europe\/Madrid
Europe\/Sarajevo
Africa\/Windhoek
Africa\/Brazzaville
Asia\/Amman
Europe\/Athens
Europe\/Istanbul
```

```
Asia\/Beirut
Africa\/Cairo
Europe\/Helsinki
Asia\/Jerusalem
Europe\/Minsk
Africa\/Harare
Asia\/Baghdad
Europe\/Moscow
Asia\/Kuwait
Africa\/Nairobi
Asia\/Tehran
Asia\/Baku
Asia\/Tbilisi
Asia\/Yerevan
Asia\/Dubai
Asia\/Kabul
Asia\/Karachi
Asia\/Oral
Asia\/Yekaterinburg
Asia\/Kolkata
Asia\/Colombo
Asia\/Kathmandu
Asia\/Almaty
Asia\/Yangon
Asia\/Krasnoyarsk
Asia\/Bangkok
Asia\/Jakarta
Asia\/Shanghai
Asia\/Hong_Kong
Asia\/Irkutsk
Asia\/Kuala_Lumpur
Australia\/Perth
Asia\/Taipei
Asia\/Seoul
Asia\/Tokyo
Asia\/Yakutsk
Australia\/Adelaide
Australia\/Darwin
Australia\/Brisbane
Australia\/Hobart
Australia\/Sydney
Asia\/Vladivostok
Pacific\/Guam
Asia\/Magadan
Pacific\/Noumea
Pacific\/Majuro
Pacific\/Auckland
Pacific\/Fiji
Pacific\/Tongatapu
<\/timezones>
```

z0.2 语言代号

```
const languageData = [
  ["Afrikaans", "af"],
  ["Albanian", "sq"],
  ["Amharic", "am"],
  ["Arabic", "ar"],
  ["Armenian", "hy-AM"],
  ["Azerbaijani", "az-AZ"],
  ["Bangla", "bn-BD"],
  ["Basque", "eu-ES"],
  ["Belarusian", "be"],
  ["Bulgarian", "bg"],
  ["Burmese", "my-MM"],
  ["Catalan", "ca"],
  ["Chinese (Hong Kong)", "zh-HK"],
  ["Chinese (Simplified)", "zh-CN"],
  ["Chinese (Traditional)", "zh-TW"],
  ["Croatian", "hr"],
  ["Czech", "cs-CZ"],
  ["Danish", "da-DK"],
  ["Dutch", "nl-NL"],
  ["English", "en-IN"],
  ["English", "en-SG"],
  ["English", "en-ZA"],
  ["English (Australia)", "en-AU"],
  ["English (Canada)", "en-CA"],
  ["English (United Kingdom)", "en-GB"],
  ["Estonian", "et"],
  ["Filipino", "fil"],
  ["Finnish", "fi-FI"],
  ["French (Canada)", "fr-CA"],
  ["French (France)", "fr-FR"],
  ["Galician", "gl-ES"],
  ["Georgian", "ka-GE"],
  ["German", "de-DE"],
  ["Greek", "el-GR"],
  ["Gujarati", "gu"],
  ["Hebrew", "iw-IL"],
  ["Hindi", "hi-IN"],
  ["Hungarian", "hu-HU"],
  ["Icelandic", "is-IS"],
  ["Indonesian", "id"],
  ["Italian", "it-IT"],
  ["Japanese", "ja-JP"],
  ["Kannada", "kn-IN"],
  ["Kazakh", "kk"],
  ["Khmer", "km-KH"],
```

```
  ["Korean", "ko-KR"],
  ["Kyrgyz", "ky-KG"],
  ["Lao", "lo-LA"],
  ["Latvian", "lv"],
  ["Lithuanian", "lt"],
  ["Macedonian", "mk-MK"],
  ["Malay", "ms"],
  ["Malay (Malaysia)", "ms-MY"],
  ["Malayalam", "ml-IN"],
  ["Marathi", "mr-IN"],
  ["Mongolian", "mn-MN"],
  ["Nepali", "ne-NP"],
  ["Norwegian", "no-NO"],
  ["Persian", "fa"],
  ["Persian", "fa-AE"],
  ["Persian", "fa-AF"],
  ["Persian", "fa-IR"],
  ["Polish", "pl-PL"],
  ["Portuguese (Brazil)", "pt-BR"],
  ["Portuguese (Portugal)", "pt-PT"],
  ["Punjabi", "pa"],
  ["Romanian", "ro"],
  ["Romansh", "rm"],
  ["Russian", "ru-RU"],
  ["Serbian", "sr"],
  ["Sinhala", "si-LK"],
  ["Slovak", "sk"],
  ["Slovenian", "sl"],
  ["Spanish (Latin America)", "es-419"],
  ["Spanish (Spain)", "es-ES"],
  ["Spanish (United States)", "es-US"],
  ["Swahili", "sw"],
  ["Swedish", "sv-SE"],
  ["Tamil", "ta-IN"],
  ["Telugu", "te-IN"],
  ["Thai", "th"],
  ["Turkish", "tr-TR"],
  ["Ukrainian", "uk"],
  ["Urdu", "ur"],
  ["Vietnamese", "vi"],
  ["Zulu", "zu"],
];
```

z0.3 Wi-Fi Country/Aera Code

```
const wifiCountryCodes = [
  ["US", "United States"],
  ["CA", "Canada"],
```

```
["JP3", "Japan"],
["DE", "Germany"],
["NL", "Netherlands"],
["IT", "Italy"],
["PT", "Portugal"],
["LU", "Luxembourg"],
["NO", "Norway"],
["FI", "Finland"],
["DK", "Denmark"],
["CH", "Switzerland"],
["CZ", "Czech Republic"],
["ES", "Spain"],
["GB", "United Kingdom"],
["KR", "Republic of Korea (South Korea)"],
["CN", "China"],
["FR", "France"],
["HK", "Hong Kong"],
["SG", "Singapore"],
["TW", "Taiwan"],
["BR", "Brazil"],
["IL", "Israel"],
["SA", "Saudi Arabia"],
["LB", "Lebanon"],
["AE", "United Arab Emirates"],
["ZA", "South Africa"],
["AR", "Argentina"],
["AU", "Australia"],
["AT", "Austria"],
["BO", "Bolivia"],
["CL", "Chile"],
["GR", "Greece"],
["IS", "Iceland"],
["IN", "India"],
["IE", "Ireland"],
["KW", "Kuwait"],
["LI", "Liechtenstein"],
["LT", "Lithuania"],
["MX", "Mexico"],
["MA", "Morocco"],
["NZ", "New Zealand"],
["PL", "Poland"],
["PR", "Puerto Rico"],
["SK", "Slovak Republic"],
["SI", "Slovenia"],
["TH", "Thailand"],
["UY", "Uruguay"],
["PA", "Panama"],
["RU", "Russia"],
["EG", "Egypt"],
["TT", "Trinidad and Tobago"],
["TR", "Turkey"],
["CR", "Costa Rica"],
```

```
    ["EC", "Ecuador"],
    ["HN", "Honduras"],
    ["KE", "Kenya"],
    ["UA", "Ukraine"],
    ["VN", "Vietnam"],
    ["BG", "Bulgaria"],
    ["CY", "Cyprus"],
    ["EE", "Estonia"],
    ["MU", "Mauritius"],
    ["RO", "Romania"],
    ["CS", "Serbia and Montenegro"],
    ["ID", "Indonesia"],
    ["PE", "Peru"],
    ["VE", "Venezuela"],
    ["JM", "Jamaica"],
    ["BH", "Bahrain"],
    ["OM", "Oman"],
    ["JO", "Jordan"],
    ["BM", "Bermuda"],
    ["CO", "Colombia"],
    ["DO", "Dominican Republic"],
    ["GT", "Guatemala"],
    ["PH", "Philippines"],
    ["LK", "Sri Lanka"],
    ["SV", "El Salvador"],
    ["TN", "Tunisia"],
    ["PK", "Islamic Republic of Pakistan"],
    ["QA", "Qatar"],
    ["DZ", "Algeria"]
];
```

synctools_webco...ole_language.js

synctools_webco...le_timezone.txt