

Hook: a new Ermac fork with RAT capabilities

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Introduction

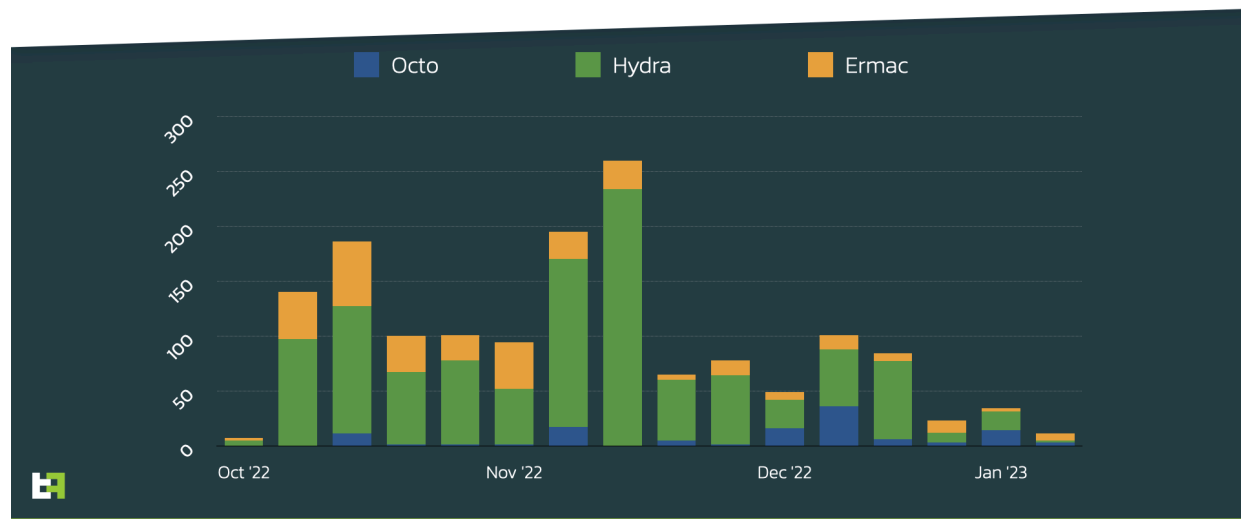
The joint police operation that brought down the Cabassous network infrastructure in May 2022, together with the slow but steady disappearance of Anatsa from the threat landscape, left an open space in the Android banking malware market. This space was filled initially by Hydra, and in minor part by the latest variants of ExobotCompact (also known as Octo). These two malware families stood out from the rest due to their advanced features, specifically the ability to perform **Device Take-Over (DTO)**, by being able to remotely view and interact with the screen of the infected device.

In terms of volume, ThreatFabric observed only one other family which was comparable to these two: **Ermac**. [Discovered in September 2021](#) by our researchers, this malware family is a spawn from the infamous Android Banker [Cerberus](#).

Among the three, Hydra is by far the most spread, and has been the Android banker of choice for threat actors ever since the takedown of Cabassous in May 2022. However, the other two malware families have kept their numbers quite high, with ExobotCompact/Octo being slightly lower due to its distribution mechanism of choice, dropper applications on Google Play Store, which usually creates less builds, but produce more infections per malicious sample.

Most Detected Malware Families

Volume Analysis

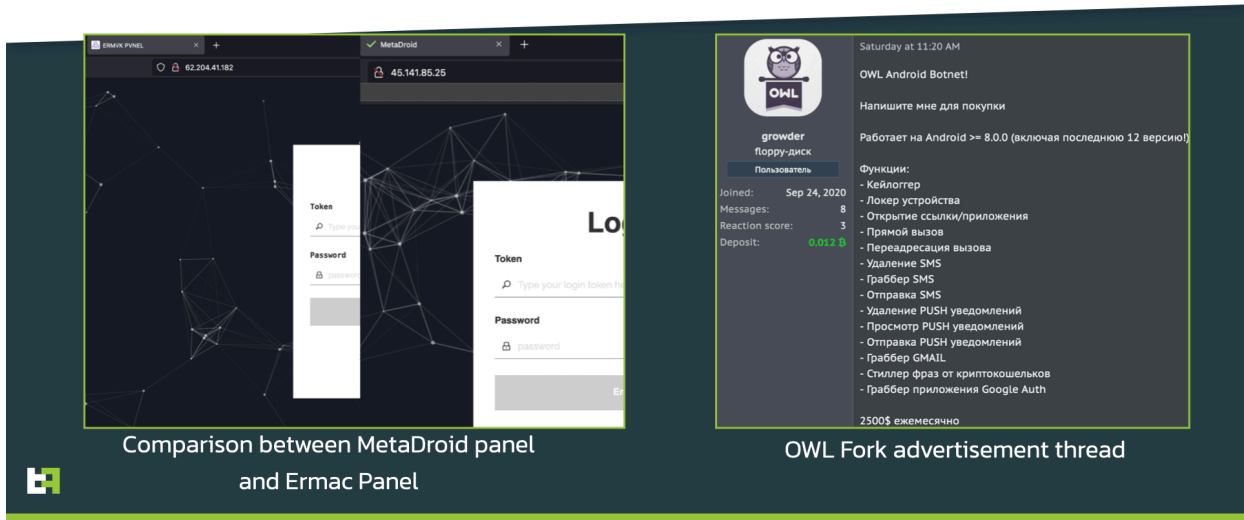


Ermac has been publicly rented by its actor **DukeEugene** for roughly one year and a half, with multiple actors being associated with the operations we had been observing. In March 2022, the actors behind this malware family tried to sell the botnet code on different hacking forums: from this point onwards, we started observing a rise in quantity of samples from Ermac, together with the appearance of different names and actors rebranding the bot and trying to rent it.

In this sphere of Ermac forks, ThreatFabric identified botnets such as **MetaDroid** and **OWL**, created from the Ermac source code and presenting minor differences. In the case of MetaDroid for example, the author removed the Locale check which was in place to ensure that the bot would not operate on devices from CIS countries.

Ermac forks

Started appearing after September 2022



In both cases, we did not observe any major difference in implementation or operations from the original Ermac samples to warrant the creation of a new malware variant.

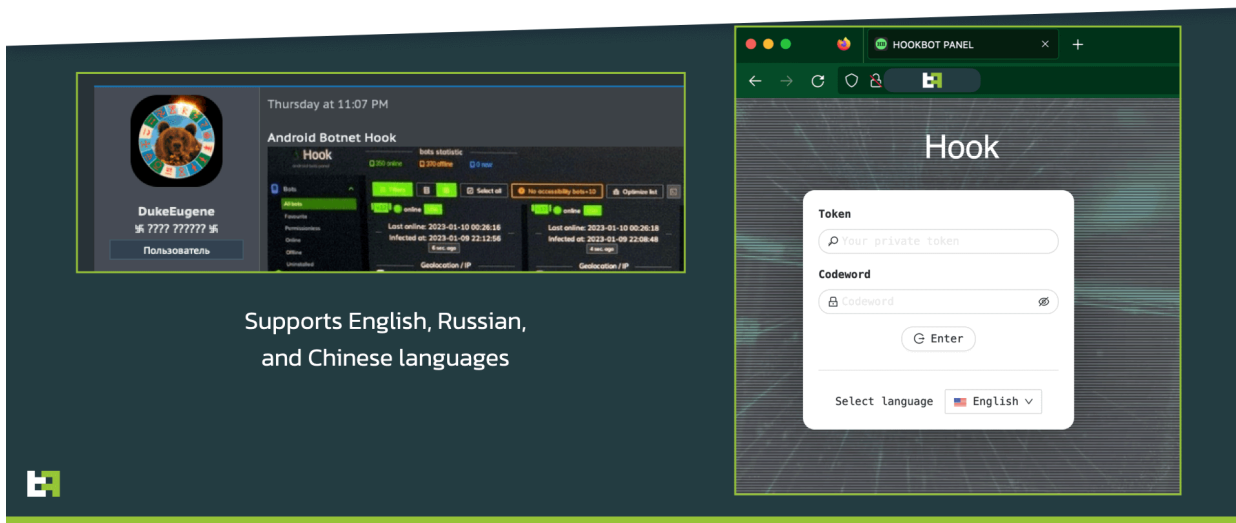
Recently however, we encountered a new fork, which spiked our interest. This new malware variant, clearly based on Ermac, introduced the capability to manipulate files on the devices file system, as well as create a remote session able to interact with the System’s UI.

Based on the malware’s panel, we named this malware variant **Hook**. Initially, while performing our analysis and investigations, this malware looked like another fork of the original Ermac, once again spawned from the sale of the original source code.

However, on the 12th of January, the original actor of Ermac, DukeEugene, published a post advertising a brand new banking malware, called “Hook”.

Hook Malware

Control panel Access



Supports English, Russian, and Chinese languages

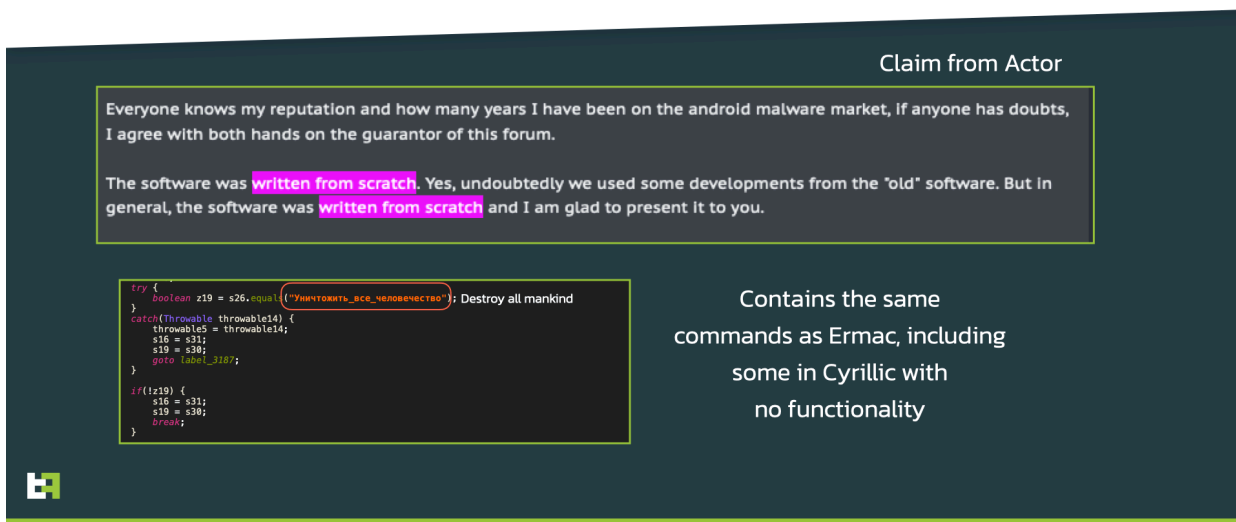
From this thread, we can confidently say that Hook is the latest development of Ermac, and is developed and managed by its original author, DukeEugene.

A malware created “from scratch”

The malware is advertised as “written from scratch”. This is debatable, as the **majority of the code base remains the one from Ermac**, including some commands in Russian expressing an unnecessary angst towards the world, which in our opinion would have not made the cut if a proper revision of the code had taken place.

TA claiming originality

Despite Hook being a clear improved variant of Ermac



It is true that this malware variant introduces quite a lot of modifications compared to its predecessor, but it is fairly obvious that this is just an update and improvement of the previous versions of Ermac. It is likely that the criminals, taking an

approach which is very effective in marketing strategies, decided to start a new brand with their latest product, instead of maintaining the existing one, which was associated mostly with operations regarding cryptowallets and Personal Identifiable Information (PII) exfiltration.

In the following section we will cover the improvements added in Hook. If you want to find out the main features of Ermac, please refer to our [previous blog about this family](#).

Hook Android Banking Trojan

Device Take Over (DTO) capabilities



WebSocket communication

Hook uses the same encryption mechanisms used by Ermac in its communication with the C2 Server. The data is encrypted using AES-256-CBC with a hardcoded key, and then encoded in Base64. One modification that was done with this new malware variant, was the introduction of **WebSocket communication** in addition to the HTTP traffic used in the previous Ermac variants. The implementation relies on **Socket.IO**, which is an implementation over HTTP and WebSocket which enables real-time, bi-directional communication between web clients and servers.

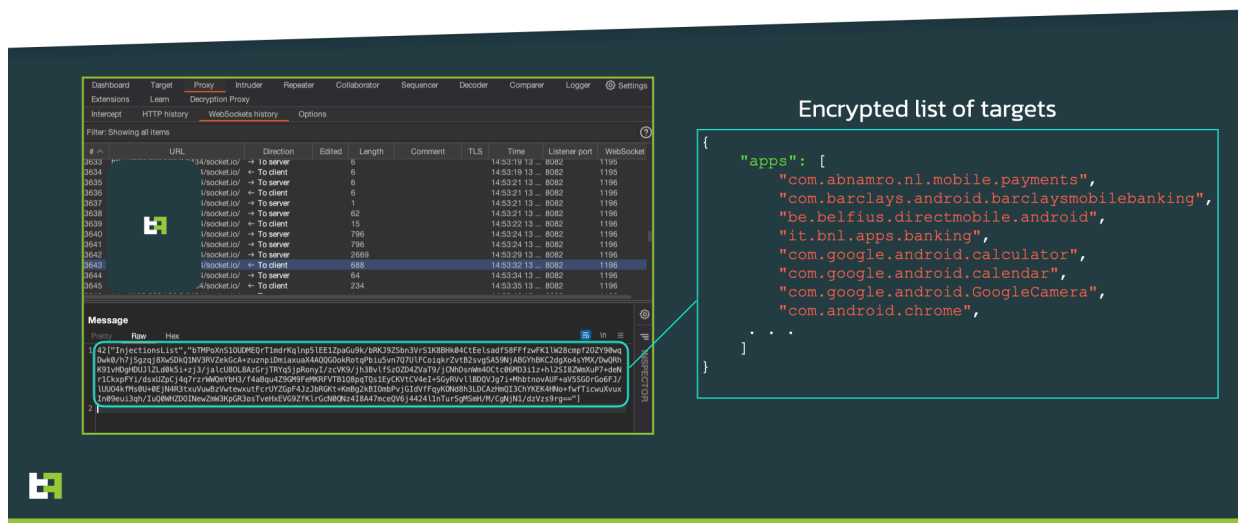
After the malware is installed and successfully setup, the bot tries to contact its C2 server using normal HTTP traffic. The request triggers a response from the C2 in the following form

```
{
  "sid": "<alphanumeric_id>",
  "upgrades": ["websocket"],
  "pingInterval": 20000,
  "pingTimeout": 60000
}
```

This response triggers an upgrade to WebSocket traffic, which is how the bot communicates with its C2. If the value of “upgrades” is instead “polling”, the communication will be over HTTP. Over this channel, the bot registers with its server, sends the list of applications installed on the device and downloads the list of targets.

Targets

Expanded list from Ermac



The communication protocol remains the same as it was in previous versions, with periodic requests for commands sent by the bot and updates on the latest logs collected from the malware. The server uses this channel to issue commands, still encrypted and encoded, in the form:

```
42["commands", "<encrypted_commands>"]
```

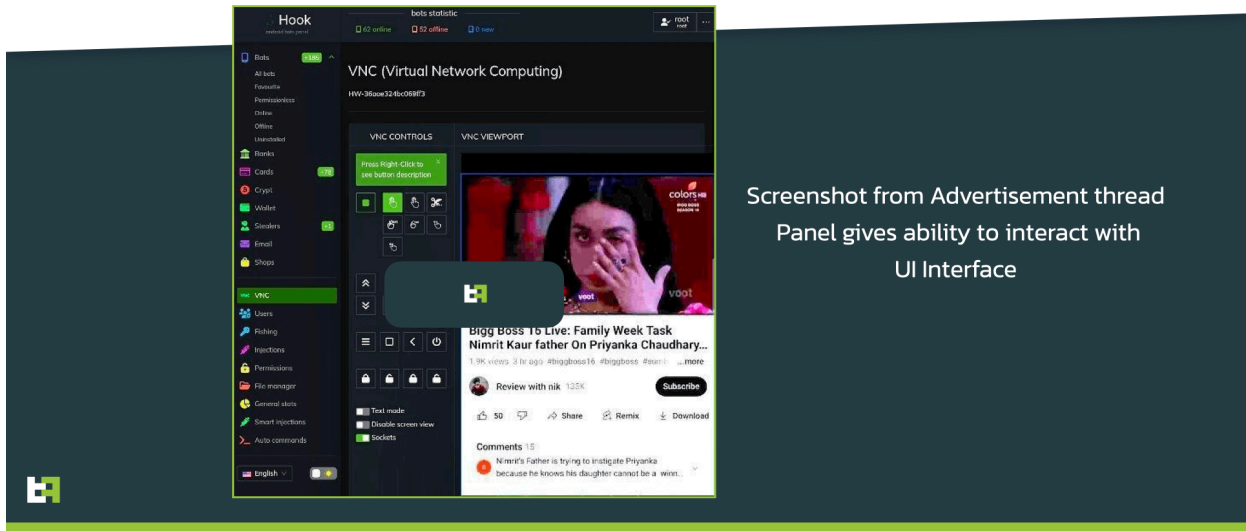
Where 42 is a constant value based on Socket.IO protocol, with 4 being Engine.IO “message” packet type, and 2 being Socket.IO “message” packet type.

Addition of RAT capabilities

The most important addition in terms of capabilities comes in the form of what criminals call **VNC**. Virtual Network Computing (VNC) is a specific implementation of a screen sharing application that provides remote control over the device. However, threat actors have started using this term to indicate any sort of **Remote Access Tool (RAT)** feature. In the case of Hook, this is implemented using the Accessibility Services to interact with the different UI elements required to perform a wide array of operations.

RAT

Enables Device Take Over



Screenshot from Advertisement thread Panel gives ability to interact with UI Interface

With this feature, Hook joins the ranks of malware families that are able to perform full **DTO**, and complete a full fraud chain, from PII exfiltration to transaction, with all the intermediate steps, without the need of additional channels. This kind of operation is much harder to detect by fraud scoring engines, and is the main selling point for Android bankers.

The malware is capable of performing a wide array of operations on the device, from simulating clicks, to filling text boxes, and performing gestures. Here is reported the list of new commands related to the RAT features (in the Appendix you can find the full list, including the commands inherited from the previous versions of Ermac):

Command	Description
start_vnc/stop_vnc	start/stop RAT
swipeup/swipedown/swipeleft/swiperight/swipe	perform a specific swipe gesture
takescreenshot	takes a screenshot
clickatcontaintext	simulates click at specific text item
onkeyevent	simulates a key press (HOME/BACK/RECENTS/LOCK/POWERDIALOG)
unlock	unlocks device
scrollup/scrolldown	scrolls up/down
longpress	simulates a long press event
clickat	simulates click at a specific coordinate
cuttext	set clipboard value to a a UI element with specific coordinates value
clickattext	simulates click at a UI element with specific text value
settext	sets a UI element value to a specific text

File manager

When the Server issues the “**fmmanager**” command, together with a specific parameter, the bot turns into a file manager for the actor, similarly in behavior to what we have previously observed in spyware.

Based on the parameter received, the malware either sends back to the server the full list of the files available on the device, or downloads a specific file from the file system:

Parameter	Description
ls	Obtains the list of files on the device
dl	Downloads a specific file

To do so, the malware does not need to perform any specific shell command, but simply uses the available APIs from the Android Operating system, thanks to the permissions that the malware is able to grant itself on startup via Accessibility Services.

Another similar command is “**getimages**”, which allows the bot to view all the images on the device. With this command, the actor can identify if an image is of interest, and then use the “**downloadimage**” command to download it from the Bot Panel.

Other modifications and improvements

Finally, the authors added some additional commands to expand or improve the functionalities already existing in the previous versions of Ermac. It is worth noting that the second variant of Ermac, which surfaced in 2021, added the capability to **extract seed phrases from wallets for cryptocurrencies** using attacks similar to ATS (Automated Transfer System). These attacks interact with the UI, navigating the different application screens and logging the seed phrases, which are secret series of words used to retrieve the account’s credentials in case they are lost or forgotten.

In this new variant, the author added one more wallet to the list (in bold the latest additions):

Command	Package Name - App Name
bitcoincom	com.bitcoin.mwallet - Bitcoin Wallet
trust	com.wallet.crypto.trustapp - Trust: Crypto & Bitcoin Wallet
mycelium	com.mycelium.wallet - Mycelium Bitcoin Wallet
piuk	piuk.blockchain.android - Blockchain Wallet. Bitcoin, Bitcoin Cash, Ethereum
samurai	com.samurai.wallet - Samurai Wallet
toshi	org.toshi - Coinbase Wallet: Crypto Wallet & DApp Browser
metamask	io.metamask - MetaMask: Buy, Send and Swap Crypto
safepal	io.safepal.wallet - SafePal: Crypto wallet BTC NFTs

Blurring the line

In our previous article we discussed [SpyNote and its latest developments](#), bringing it closer to banking malware. On the opposite side of the spectrum lies Hook, which now is crossing the line that separates spyware and banking malware in the other direction.

One last interesting addition is the “**openwhatsapp**” command, used to open the **social messaging application WhatsApp**, and allows the malware to log and even send messages via this application. Utilizing the same Accessibility Services techniques used to interact with cryptocurrency wallets, Hook, upon receiving the “openwhatsapp” command, starts the social messaging application WhatsApp. From here the malware can proceed to extract via logging all the messages present, but also send a brand new message. This technique could be used by actors to spread the malware to other victims, via a channel that is regarded as less threatening by users.

In addition to this capability, this new Ermac variant also adds **geolocation tracking**, allowing criminals to receive the coordinates of the victim whenever needed.

```
if (Utils.checkPermission(this.ctx, "android.permission.ACCESS_FINE_LOCATION") != 0 && Utils.checkPermission(this.ctx, "android.permission.ACCESS_COARSE_LOCATION") != 0) {
    this.b();
    return;
}
Object object0 = this.ctx.getSystemService("location");
if (object0 != null) {
    LocationManager locationManager0 = (LocationManager) object0;
    String s = locationManager0.getBestProvider(new Criteria(), false);
    NonNullUtils.c(s);
    Location location0 = locationManager0.getLastKnownLocation("passive");
    this.sendLocation(location0);...
}
```

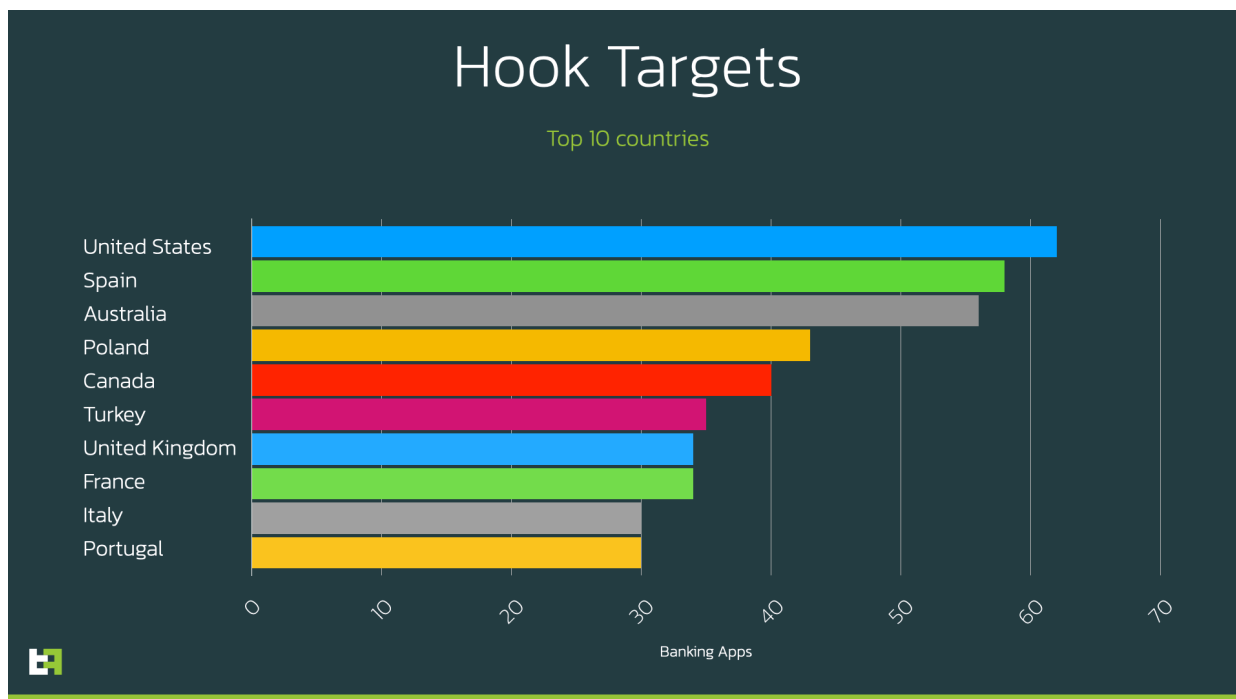
These new features move this malware family in a sphere where the difference between spyware and banking malware is always more blurred and less evident.

Targets

As for previous versions of Ermac, the target list is very extensive, and includes institutions from all over the world.

The actor promises more than hundreds of targets to his buyers, which are made up for the large majority by the targets also present in previous versions of Ermac. However, this new version also adds dozens of new targets, including both financial applications as well as social apps. New targets also include bans from south America, Asia, Africa, and the Middle East.

Here you can see a recap of the areas mostly targeted by Hook:



Here we reported the top 10 countries ranked by number of targeted institutions. However, it is worth noting that the list is very extensive, and multiple other countries have just slightly lower numbers, as it can be seen in the [full target list in the Appendix of this article](#).

Conclusions

The new developments around Hook, the latest variant of the Ermac family, point towards a clear direction. Hook now joins the very dangerous ranks of malware which is able to perform a **full attack chain from infection to fraudulent transaction**. In addition, it includes new capabilities typical of **spyware**, which allow criminals to track and spy on the device, gaining full visibility not only on the banking details of the victim, but also messaging, geolocation, and control over files present on the phone. As discussed, Ermac has been one of the most distributed malware families of 2022, and with the introduction of its latest development, Hook, ThreatFabric expects it to make the final quality leap, joining Hydra and ExobotCompact/Octo in the podium of Android Bankers available for rent.

Financial organizations are welcome to contact us: if you suspect some app be involved in malicious activity, feel free to reach our Mobile Threat Intelligence team which will provide additional details and help with reporting the malicious app if identified: mti@threatfabric.com.

Fraud Risk Suite

ThreatFabric's Fraud Risk Suite enables safe & frictionless online customer journeys by integrating industry-leading mobile threat intel, behavioral analytics, advanced device fingerprinting and over 10.000 adaptive fraud indicators. This will give you and your customers peace of mind in an age of ever-changing fraud.

Appendix

Hook Samples

App name	Package name	SHA-256
Google Chrome	com.lojibiwawajinu.guna	c5996e7a701f1154b48f962d01d457f9b7e95d9c3dd9bbd6a8e083865d56362
Google Chrome	com.damariwonomiwi.docebi	55533397f32e960bdc78d74f76c3b62b57f881c4554dff01e7f9e077653f47b2
Google Chrome	com.damariwonomiwi.docebi	768b561d0a9fa3c6078b3199b1ef42272cac6a47ba01999c1f67c9b548a0bc15
GoogleChrome	com.yecomevasaso.pisifo	8d1aabfb6329bf6c03c97f86c690e95723748be9d03ec2ed117376dd9e13faf0

Hook Full command list

Command (in bold if introduced in Hook)	Description
push	Shows a push notification (clicking on the notification will result in launching specified app)
startAuthenticator2	Launches the Google Authenticator application
startAdmin	Triggers request for admin privileges
startApp	Starts the specified application
getInstallApps	Gets the list of applications installed on the device
getContacts	Gets the contact names and phone numbers from the address book of the infected device
deleteApplication	Triggers the removal of the specified application
forwardCall	Enables call forwarding to the specified number
sendSms	Sends a text message with specified text from the infected device to the specified phone number
SendSMSALL	Sends text messages with specified text from the infected device to all contacts of the infected device
startInject	Triggers the overlay attack against the specified application
startUssd	Executes the specified USSD code
openUrl	Opens the specified URL in the WebView
getSMS	Gets all text messages from the infected device
killMe	Triggers the kill switch for the bot
updateModule	Updates the payload module
updateInjectAndListApps	Triggers update of the target list
clearCash/clearCashe	Triggers opening specified application details

Command (in bold if introduced in Hook)	Description
getAccounts/logAccounts	Triggers stealing a list of the accounts on the device
bitcoincom	com.bitcoin.mwallet - Bitcoin Wallet
trust	com.wallet.crypto.trustapp - Trust: Crypto & Bitcoin Wallet
mycelium	com.mycelium.wallet - Mycelium Bitcoin Wallet
piuk	piuk.blockchain.android - Blockchain Wallet. Bitcoin, Bitcoin Cash, Ethereum
samurai	com.samurai.wallet - Samurai Wallet
toshi	org.toshi - Coinbase Wallet: Crypto Wallet & DApp Browser
metamask	io.metamask - MetaMask: Buy, Send and Swap Crypto
start_vnc/stop_vnc	Start/stop RAT
getlocation	Obtains geolocation
addwaitview/removewaitview	Adds/removes a view used to cover malicious operations
addview/removeview	Adds/removes a view
getimages	Obtains list of all images
downloadimage	Downloads an image
makecall	Makes a call
calling	Makes a call
addcontact	Adds a contact
fmmanager	Operates as file manager
swipeup/swipedown/swipeleft/swiperight/swipe	Perform a specific swipe gesture
takescreenshot	Takes a screenshot
clickatcontaintext	Simulates click at specific text item
onkeyevent	Simulates a key press (HOME/BACK/RECENTS/LOCK/POWERDIALOG)
unlock	Unlocks device
scrollup/scrolldown	Scrolls up/down
longpress	Simulates a long press event
clickat	Simulates click at a specific coordinate
cuttext	Set clipboard value to a UI element with specific coordinates value

Command (in bold if introduced in Hook)	Description
clickattext	Simulates click at a UI element with specific text value
settext	Sets a UI element value to a specific text
safepal	io.safepal.wallet - SafePal: Crypto wallet BTC NFTs

Hook C2s

Host
5.42.199[.]22
193.233.196[.]2

Hook Crypto-Wallet targets

Package Name	App Name
com.bitcoin.mwallet	Bitcoin Wallet
com.wallet.crypto.trustapp	Trust: Crypto & Bitcoin Wallet
com.mycelium.wallet	Mycelium Bitcoin Wallet
piuk.blockchain.android	Blockchain Wallet. Bitcoin, Bitcoin Cash, Ethereum
com.samourai.wallet	Samourai Wallet
org.toshi	Coinbase Wallet — Crypto Wallet & DApp Browser
io.safepal.wallet	SafePal - Crypto wallet BTC NFTs
io.metamask	MetaMask - Buy, Send and Swap Crypto

Hook Banking Targets

Package Name	App Name
com.connectivityapps.hotmail	Connect for Hotmail & Outlook: Mail and Calendar
com.Plus500	Plus500: CFD Online Trading on Forex and Stocks
com.eofinance	EO.Finance: Buy and Sell Bitcoin. Crypto Wallet
ar.com.santander.rio.mbanking	Santander Argentina
ar.com.redlink.custom	Banca Móvil Ciudad
org.microemu.android.model.common.VTUserApplicationLINKMB	Link Celular

Package Name	App Name
ar.bapro	BIP Mobile
coop.bancocredicoop.bancamobile	Credicoop Móvil
ar.macro	Macro
com.mercadopago.wallet	Mercado Pago
com.tarjetanaranja.emisor.serviciosClientes.appTitulares	Naranja
au.com.ingdirect.android	ING Australia Banking
au.com.macquarie.authenticator	Macquarie Authenticator
au.com.macquarie.banking	Macquarie Mobile Banking
au.com.mebank.banking	ME Bank
au.com.nab.mobile	NAB Mobile Banking
au.com.newcastlepermanent	NPBS Mobile Banking
au.com.pnbank.android	P&N BANKING APP
au.com.rams.RAMS	myRAMS
au.com.suncorp.marketplace	Suncorp App
au.com.suncorp.rsa.suncorpsecured	Suncorp Secured
au.com.suncorp.SuncorpBank	Suncorp Bank
au.com.ubank.internetbanking	UBank Mobile Banking
com.bendigobank.mobile	Bendigo Bank
com.fusion.ATMLocator	People's Choice Credit Union
com.fusion.banking	Bank Australia app
com.fusion.beyondbank	Beyond Bank Australia
com.bankofqueensland.boq	BOQ Mobile
org.bom.bank	Bank of Melbourne Mobile Banking
org.stgeorge.bank	St.George Mobile Banking
org.westpac.bank	Westpac Mobile Banking
org.westpac.col	Westpac Corporate Mobile
com.BOQSecure	BOQ Secure
com.commbank.netbank	CommBank
au.com.amp.myportfolio.android	My AMP

Package Name	App Name
au.com.bankwest.mobile	Bankwest
au.com.commbank.commbiz.prod	CommBiz
au.com.cua.mb	CUA Mobile Banking
au.com.hsbc.hsbcaustralia	HSBC Australia
com.greater.Greater	Greater Bank
com.appfactory.tmb	Teachers Mutual Bank
com.anz.android.gomoney	ANZ Australia
org.banking.bom.businessconnect	Bank of Melbourne Business App
org.banking.bsa.businessconnect	BankSA Business App
org.banking.stg.businessconnect	St.George Business App
org.banksa.bank	BankSA Mobile Banking
com.google.android.apps.walletnfcrel	Google Pay: Pay with your phone and send cash
com.easybank.easybank	easybank App
com.bawagpsk.bawagpsk	BAWAG PSK klar – Mobile Banking App
at.rsg.pfp	Mein ELBA-App
at.ing.diba.client.onlinebanking	ING Banking Austria
at.volksbank.volksbankmobile	Volksbank hausbanking
at.erstebank.george	George Österreich
com.bankaustria.android.olb	Bank Austria MobileBanking
com.isis_papyrus.raiffeisen_pay_eyewdg	Raiffeisen ELBA
com.isis_papyrus.hypo_pay_eyewdg	HYPO Mein ELBA-App
com.electroneum.mobile	Electroneum
com.scotiabank.banking	Scotiabank Mobile Banking
be.argenta.bankieren	Argenta Banking
com.bnpp.easybanking	Easy Banking App
be.axa.mobilebanking	Mobile Banking Service
be.belfius.directmobile.android	Belfius Mobile
com.kbc.mobile.android.phone.kbc	KBC Mobile
com.imo.android.imoimbeta	imo beta free calls and text

Package Name	App Name
com.fortuneo.android	Fortuneo, mes comptes banque & bourse en ligne
com.wrx.wazirx	WazirX - Buy Sell Bitcoin & Other Cryptocurrencies
com.airbnb.android	Airbnb
com.whatsapp	WhatsApp Messenger
com.bradesco	Bradesco
com.itau	Banco Itaú: Gerencie sua conta pelo celular
com.itau.empresas	Itaú Empresas: Controle e Gestão do seu Negócio
br.com.intermedium	Inter: conta digital completa
br.com.original.bank	Banco Original
br.com.uol.ps.myaccount	PagBank: Banco, Conta digital, Cartão, Pix, CDB
exodusmovement.exodus	Exodus: Crypto Bitcoin Wallet
com.enjin.mobile.wallet	Enjin: Bitcoin, Ethereum, Blockchain Crypto Wallet
io.metamask	MetaMask - Buy, Send and Swap Crypto
id.co.bitcoin	Indodax
com.snapchat.android	Snapchat
com.anabatic.canadia	Canadia Mobile Banking
com.desjardins.mobile	Desjardins mobile services
com.pcfincial.mobile	Simplii Financial
com.vancity.mobileapp	Vancity
com.meridian.android	Meridian Mobile Banking
com.rbc.mobile.android	RBC Mobile
ca.tangerine.clients.banking.app	Tangerine Mobile Banking
ca.servus.mbanking	Servus Mobile Banking
ca.pcfincial.bank	PC Financial Mobile
ca.motusbank.mapp	motusbank mobile banking
com.td	TD Canada

Package Name	App Name
com.atb.ATBMobile	ATB Personal - Mobile Banking
com.atb.businessmobile	ATB Business - Mobile Banking
ca.manulife.MobileGBRS	Manulife Mobile
ca.hsbc.hsbccanada	HSBC Canada
ca.bnc.android	National Bank of Canada
ca.affinitycu.mobile	Affinity Mobile
com.cibc.android.mobi	CIBC Mobile Banking®
com.bmo.mobile	BMO Mobile Banking
com.shaketh	Shakepay: Buy Bitcoin Canada
com.coastcapitalsavings.dcu	Coast Capital Savings
com.squareup.cash	Cash App
com.bmoharris.digital	BMO Digital Banking
pro.huobi	Huobi Global
com.google.android.gm	Gmail
cl.bancochile.mbanking	Mi Banco de Chile
cl.android	Banco Falabella - CMR
com.tencent.mm	WeChat
com.okinc.okcoin.intl	Okcoin - Buy & Trade Bitcoin, Ethereum, & Crypto
com.moneybookers.skrillpayments.neteller	NETELLER - fast, secure and global money transfers
com.mtel.androidbea	BEA 東亞銀行
com.ocbc.mobile	OCBC SG Mobile Banking
com.polehin.android	Bitcoin Wallet - Buy BTC
cc.bitbank.bitbank	bitbank - Bitcoin & Ripple Wallet
com.grupoavalav1.bancamovil	AV Villas App
com.grupoavaloc1.bancamovil	Banco de Occidente Móvil
com.todo1.davivienda.mobileapp	Davivienda Móvil
co.com.bbva.mb	BBVA Colombia
com.bancodebogota.bancamovil	Banco de Bogotá

Package Name	App Name
eu.netinfo.colpatria.system	Scotiabank Colpatria
com.todo1.mobile	Bancolombia App Personas
com.tinder	Tinder
com.aadhk.woinvoice	Invoice Maker: Estimate & Invoice App
org.telegram.messenger	Telegram
gr.winbank.mobile.cyprus	AstroBank Mobile Banking
eu.inmite.prj.kb.mobilbank	Mobilni Banka
cz.csob.smartbanking	ČSOB Smartbanking
dk.nordea.mobilebank	Nordea Mobile - Denmark
com.danskebank.mobilebank3.dk	NY mobilbank DK - Danske Bank
com.imo.android.imoimhd	imo HD-Free Video Calls and Chats
com.azimo.sendmoney	Azimo Money Transfer
com.baninter	Banca Móvil
com.twitter.android.lite	Twitter Lite
fr.oney.mobile.mescomptes	Oney France
net.bnpparibas.mescomptes	Mes Comptes BNP Paribas
com.arkea.android.application.cmb	Crédit Mutuel de Bretagne
com.arkea.android.application.cmso2	CMSO ma banque : solde, virement & épargne
com.axabanque.fr	AXA Banque France
mobi.societegenerale.mobile.lappli	L'Appli Société Générale
com.beobank_prod.bad	Beobank Mobile
com.boursorama.android.clients	Boursorama Banque
com.caisseepargne.android.mobilebanking	Banque
com.caisse.epargne.android.tablette	Banque pour tablettes Android
com.cic_prod.bad	CIC
com.cm_prod.bad	Crédit Mutuel
com.fullsix.android.labanquepostale.accountaccess	La Banque Postale
com.gemini.android.app	Gemini: Buy Bitcoin Instantly
fr.lcl.android.entreprise	Pro & Entreprises LCL

Package Name	App Name
fr.lcl.android.customerarea	Mes Comptes - LCL
fr.laposte.lapostemobile	La Poste - Services Postaux
fr.hsbc.hsbcfrance	HSBC France
fr.creditagricole.androidapp	Ma Banque
fr.bred.fr	BRED
fr.bnpp.digitalbanking	Hello bank! par BNP Paribas
fr.banquepopulaire.cyberplus	Banque Populaire
com.IngDirectAndroid	ING France
com.mootwin.natixis	My Savings
com.ocito.cdn.activity.banquelaydernier	Banque Laydernier - Mobile
com.ocito.cdn.activity.creditdunord	Crédit du Nord pour Mobile
ge.mobility.basisbank	BasisBank
com.vtb.mobilebank	VTB Mobile Georgia
ge.bog.mobilebank	BOG mBank - Mobile Banking
ge.lb.mobilebank	Liberty
com.icomvision.bsc.tbc	TBC Bank
com.targo_prod.bad	TARGOBANK Mobile Banking
de.sdvrz.ihb.mobile.secureapp.sparda.produktion	SpardaSecureApp
de.traktorpool	tractorpool
de.comdirect.android	comdirect mobile App
de.fiducia.smartphone.android.banking.vr	VR Banking Classic
com.starfinanz.smob.android.sfinanzstatus	Sparkasse Ihre mobile Filiale
de.dkb.portalapp	DKB-Banking
de.postbank.finanzassistent	Postbank Finanzassistent
de.santander.presentation	Santander Banking
de.consorsbank	Consorsbank
de.number26.android	N26 — The Mobile Bank
de.mobile.android.app	mobile.de – Germany’s largest car market
de.commerzbanking.mobil	Commerzbank Banking - The app at your side

Package Name	App Name
com.db.mm.norisbank	norisbank App
de.ingdiba.bankingapp	ING Banking to go
eu.unicreditgroup.hvbapptan	HVB Mobile Banking
de.comdirect.app	comdirect
de.sdvzr.ihb.mobile.app	SpardaApp
com.db.pwcc.dbmobile	Deutsche Bank Mobile
de. adesso_mobile.secureapp.netbank	SecureApp netbank
com.mobileloft.alpha.droid	myAlpha Mobile
eu.afse.omnia.attica	Attica Mobile
mbanking.NBG	NBG Mobile Banking
gr.winbank.mobilenext	Winbank Mobile
com.paypal.android.p2pmobile	PayPal Mobile Cash: Send and Request Money Fast
gt.com.bi.bienlinea	Bi en Línea
global.bithumb.android	BitGlobal (formerly Bithumb Global)
com.tronlinkpro.wallet	TronLink Pro - The Best TRON Wallet
com.bochk.com	BOCHK
hu.otpbank.mobile	OTP Bank HU
pegasus.project.ebh.mobile.android.bundle.mobilebank	George Magyarország
hu.khb	K&H mobilbank
hu.cardinal.erste.mobilapp	Erste Business MobilBank
hu.cardinal.cib.mobilapp	CIB Business Online
hu.bb.mobilapp	Budapest Bank Mobil App
hr.asseco.android.jimba.mUCI.hu	UniCredit Mobile Application
hr.asseco.android.intesa.isbd.cib	CIB Bank
com.aff.otpdirekt	OTP SmartBank
hu.mkb.mobilapp	MKB Mobilalkalmazás
com.tideplatform.banking	Tide - Smart Mobile Banking
lt.spectrofinance.spectrocoin.android.wallet	Bitcoin Wallet by SpectroCoin

Package Name	App Name
com.sbi.lotusintouch	YONO SBI: The Mobile Banking and Lifestyle App!
com.fss.indus	IndusMobile
com.Version1	PNB ONE
com.atomyes	YES BANK
com.axis.mobile	Axis Mobile- Fund Transfer,UPI,Recharge & Payment
com.msf.kbank.mobile	Kotak - 811 & Mobile Banking
com.sbi.SBIFreedomPlus	Yono Lite SBI - Mobile Banking
com.oxygen.oxygenwallet	Bill Payment & Recharge,Wallet
com.dhanlaxmi.dhansmart.mtc	Dhanlaxmi Bank Mobile Banking
com.mobikwik_new	BHIM UPI, Money Transfer, Recharge & Bill Payment
com.dbs.in.digitalbank	digibank by DBS India
com.infrasofttech.CentralBank	Cent Mobile
com.unocoin.unocoinwallet	Unocoin Wallet
com.snapwork.hdfc	HDFC Bank MobileBanking
com.snapwork.IDBI	IDBI Bank GO Mobile+
com.infrasoft.uboi	U-Mobile - Union Bank of India
com.infrasofttech.MahaBank	Maha Mobile
com.sbi.SBAnywhereCorporate	SBI Anywhere Corporate
src.com.bni	BNI Mobile Banking
com.bca	BCA mobile
ovo.id	OVO
id.dana	DANA Indonesia Digital Wallet
piuk.blockchain.android	Blockchain Wallet. Bitcoin, Bitcoin Cash, Ethereum
com.payeer	PAYEER
com.nearform.ptsb	permanent tsb
com.bitcoin.mwallet	Bitcoin Wallet
com.coinbase.android	Coinbase – Buy & Sell Bitcoin. Crypto Wallet

Package Name	App Name
com.plunien.poloniex	Poloniex Crypto Exchange
com.MizrahiTefahot.nh	מזרחי טפחות - ניהול חשבון
com.ideomobile.hapoalim	בנק הפועלים - ניהול החשבון
il.co.yellow.app	מבצעים והטבות עם הארנק הדיגיטלי של – yellow פז!
com.leumi.leumiwallet	לאומי
il.co.yahav.mobbanking	בנק יהב - ניהול חשבון
com.bnhp.payments.paymentsapp	ביט bit
com.ideomobile.discount	Discount Bank
com.sella.BancaSella	Banca Sella
com.unicredit	Mobile Banking UniCredit
com.CredemMobile	Credem
com.db.pbc.miabanca	La Mia Banca
it.ingdirect.app	ING Italia
it.nogood.container	UBI Banca
it.phoenixspa.inbank	Inbank
it.popso.SCRIGNOapp	SCRIGNOapp
posteitaliane.posteapp.appbppl	BancoPosta
it.relaxbanking	RelaxBanking Mobile
posteitaliane.posteapp.apppostepay	Postepay
com.latuabancaperandroid	Intesa Sanpaolo Mobile
com.lynxspa.bancopopolare	YouApp
com.mediolanum.android.fullbanca	Mediolanum
com.vipera.chebanca	CheBanca!
it.hype.app	Hype
it.creval.bancaperta	Bancaperta
it.copergmps.rt.pf.android.sp.bmps	Banca MPS
it.carige	Carige Mobile
it.caitalia.apphub	Crédit Agricole Italia

Package Name	App Name
it.bnl.apps.banking	BNL
it.bcc.iccrea.mycartabcc	myCartaBCC
it.icbpi.mobile	Nexi Pay
co.edgesecond.app	Edge - Bitcoin, Ethereum, Monero, Ripple Wallet
jp.coincheck.android	Bitcoin Wallet Coincheck
jp.co.smbc.direct	三井住友銀行アプリ
jp.co.rakuten_bank.rakutenbank	楽天銀行 -個人のお客様向けアプリ
com.gmowallet.mobilewallet	ビットコイン・暗号資産（仮想通貨）ウォレットアプリ GMOコイン チャート・購入・レバレッジ取引
jp.co.netbk	住信SBIネット銀行
jp.co.aeonbank.android.passbook	イオン銀行通帳アプリ かんたんログイン&残高・明細の確認
com.quoise.quoise.light	Liquid by Quoineライト版（リキッドバイコイン）-ビットコインなどの仮想通貨取引所
com.barclays.ke.mobile.android.ui	Barclays Kenya
eu.eleader.mobilebanking.nbk	NBK Mobile Banking
com.cbk.mobilebanking	CBK Mobile
eu.eleader.mobilebanking.abk	ABK Mobile Banking
com.a2a.android.burgan	Burgan Bank
eu.eleader.mobilebanking.kib	KIB Mobile
com.netflix.mediaclient	Netflix
pt.bigonline.BiGMobile	Banco BiG Portugal
com.twitter.android	Twitter
io.ethos.universalwallet	Ethos Universal Wallet
com.konylabs.HongLeongConnect	Hong Leong Connect Mobile Banking
com.ambank.ambankonline	AmOnline
com.cimbmalaysia	CIMB Clicks Malaysia
com.iexceed.CBS	GO by Bank Islam

Package Name	App Name
air.app.scb.breeze.android.main.my.prod	Standard Chartered Mobile (MY)
my.com.maybank2u.m2umobile	Maybank2u MY
my.com.hsbc.hsbcmalaysia	HSBC Malaysia
my.com.hongleongconnect.mobileconnect	HLB Connect Mobile Banking App
com.alliance.AOPMobileApp	allianceonline Mobile
com.bsnebiz.cdb	BSNeBiz Mobile- Corporate User
com.citibank.CitibankMY	Citibank MY
com.ocbc.mobilemy	OCBC Malaysia Mobile Banking
com.engage.pbb.pbengage2my.release	PB engage MY
com.paxful.wallet	Paxful Bitcoin Wallet
com.bbva.GEMA	BBVA Empresas México
com.citibanamex.banamexmobile	Citibanamex Móvil
net.garagecoders.e_llavescotiainfo	ScotiaMóvil
com.bancomer.mbanking	BBVA México (Bancomer Móvil)
mx.bancosantander.supermovil	Santander móvil
mx.hsbc.hsbcmexico	HSBC México
com.mercadolibre	Mercado Libre: compra fácil y rápido
com.bitfinex.mobileapp	Bitfinex
com.ebay.mobile	eBay: Buy, sell, and save money on home essentials
com.moneybookers.skrillpayments	Skrill - Fast, secure online payments
br.com.bradesco.next	Banco next: conta e cartão de crédito grátis
ma.gbp.pocketbank	Pocket Bank
com.bitpay.wallet	BitPay – Secure Bitcoin Wallet
com.ing.mobile	ING Bankieren
com.ics.nl.icscards	ICS Creditcard
com.abnamro.nl.mobile.payments	ABN AMRO Mobiel Bankieren
nz.co.westpac	Westpac One (NZ) Mobile Banking
nz.co.anz.android.mobilebanking	ANZ goMoney New Zealand

Package Name	App Name
nz.co.asb.asbmobile	ASB Mobile Banking
tsb.mobilebanking	TSB Bank Mobile Banking
nz.co.kiwibank.mobile	Kiwibank Mobile Banking
enterprise.com.anz.shield	ANZ Shield
co.zip	Zip - Shop Now, Pay Later
com.whatsapp.w4b	WhatsApp Business
com.interswitchng.www	Fidelity Online Banking
com.vanso.gtbankapp	GTBank
com.payoneer.android	Payoneer – Global Payments Platform for Businesses
com.google.android.youtube	YouTube
com.instagram.android	Instagram
com.binance.dev	Binance - Buy & Sell Bitcoin Securely
com.base.bankalfalah	alfa
com.wavesplatform.wallet	Waves.Exchange
doge.org.freewallet.app	Dogecoin Wallet. Store & Exchange DOGE coin
com.lumiwallet.android	Lumi Crypto and Bitcoin Wallet
com.samourai.wallet	Samourai Wallet
net.bitbay.bitcoin	Bitcoin & Crypto Exchange - BitBay
com.changelly.app	Changelly: Buy Bitcoin BTC & Fast Crypto Exchange
com.bbva.nxt_peru	BBVA Perú
pe.pichincha.bm	APP Banco Pichincha Perú
pe.com.interbank.mobilebanking	Interbank APP
pe.com.scotiabank.blpm.android.client	Scotiabank Perú
com.bcp.bank.bcp	Banca Móvil BCP
com.zoluxiones.officebanking	Banco Santander Perú S.A.
com.CIMB.OctoPH	CIMB Bank PH
net.bitstamp.app	Bitstamp – Buy & Sell Bitcoin at Crypto Exchange

Package Name	App Name
eu.eleader.mobilebanking.pekao.firm	PekaoBiznes24
alior.bankingapp.android	Usługi Bankowe
com.bitmarket.trader	Aplikacja Bitmarket
com.comarch.mobile.banking.bgzbnpparibas.biznes	Mobile BiznesPl@net
com.comarch.security.mobilebanking	ING Business
com.empik.empikapp	Empik
com.empik.empikfoto	Empik Foto
com.getingroup.mobilebanking	Getin Mobile
com.konylabs.cbplpat	Citi Handlowy
eu.eleader.mobilebanking.invest	plusbank24
eu.eleader.mobilebanking.pekao	Pekao24Makler
hr.asseco.android.mtoken.bos	iBOSStoken
pl.aliorbank.aib	Alior Mobile
pl.allegro	Allegro - convenient and secure online shopping
pl.bph	BusinessPro Lite
pl.bps.bankowoscobilna	BPS Mobilnie
pl.bzwbk.bzwbk24	Santander mobile
pl.bzwbk.ibiznes24	iBiznes24 mobile
pl.ceneo	Ceneo - zakupy i promocje
pl.com.rossmann.centauros	Rossmann PL
pl.envelobank.aplikacja	Pocztowy
pl.eurobank2	eurobank mobile 2.0
pl.fakturownia	Fakturownia.pl
pl.ideabank.mobilebanking	Idea Bank PL
pl.ifirma.ifirmafaktury	IFIRMA - Darmowy Program do Faktur
pl.ing.mojeing	Moje ING mobile
pl.mbank	mBank PL
pl.millennium.corpApp	Bank Millennium for Companies

Package Name	App Name
pl.nestbank.nestbank	Nest Bank nowy
pl.noblebank.mobile	Noble Mobile
pl.orange.mojeorange	Mój Orange
pl.pkobp.iko	IKO
pl.pkobp.ipkobiznes	iPKO biznes
pl.raiffeisen.nfc	Mobilny Portfel
softax.pekao.powerpay	PeoPay
wit.android.bcpBankingApp.millenniumPL	Bank Millennium
pt.bancobpi.mobile.fiabilizacao	BPI APP
pt.bctt.appbctt	Banco CTT
app.wizink.pt	Wizink, o teu banco fácil
com.bbva.mobile.pt	BBVA Portugal
pt.santander.oneappparticulares	Santander Portugal
pt.oney.oneyapp	Oney Portugal
eu.atlantico.bancoatlanticoapp	MY ATLANTICO
pt.novobanco.nbsmarter	NB smarter
com.abanca.bm.pt	ABANCA - Portugal
pt.santandertotta.mobileempresas	Santander Empresas
pt.novobanco.nbapp	NB smart app
pt.eurobic.apps.mobilebanking	EuroBic Mobile App
pt.santandertotta.mobileparticulares	Santander Particulares
com.bankinter.portugal.bmb	Bankinter Portugal
pt.cgd.caixadirectaempresas	Caixadirecta Empresas
wit.android.bcpBankingApp.activoBank	ActivoBank
pt.sibs.android.mbway	MB WAY
wit.android.bcpBankingApp.millennium	Millenniumbcp
cgd.pt.caixadirectaparticulares	Caixadirecta
ca.mobile.explorer	CA Mobile
pt.cgd.caderneta	Caderneta

Package Name	App Name
pt.bancobest.android.mobilebanking	Best Bank
com.QIIB	QIIB Mobile
com.pozitron.qib	QIB Mobile
com.db.mobilebanking	Doha Bank Mobile Banking
com.cbq.CBMobile	CBQ Mobile
com.advantage.RaiffeisenBank	Raiffeisen Smart Mobile
ro.btrl.mobile	Banca Transilvania
at.sparadat.bcrmobil	Touch 24 Banking BCR
com.tabtrader.android	TabTrader Buy Bitcoin and Ethereum on exchanges
com.microsoft.office.outlook	Microsoft Outlook: Organize Your Email & Calendar
clientapp.swiftcom.org	ePayments: wallet & bank card
com.alinma.retail.mobile	Alinma Bank
com.acceltree.mtc.screens	Alawwal Mobile
com.urpay.consumer	urpay
sa.com.stcpay	stc pay
com.alrajhiretailapp	Al Rajhi Mobile
com.riyadbank.strategic	RiyadBank Mobile
com.mbc.anb.keystore	ANB Mobile~ Arab National Bank
sa.alrajhibank.tahweelapp	Tahweel Al Rajhi KSA
com.samba.mb	SambaMobile
com.saib.banking.mobile.android	SAIB
com.sa.gazt.ZakatCalculator	زكاتي - Zakaty
com.kubi.kucoin	KuCoin: Bitcoin Exchange & Crypto Wallet
com.dbs.sg.dbsmbanking	DBS digibank SG
com.dbs.sg.posbmbanking	POSB digibank
com.citibank.mobile.sg	Citibank SG
co.bitx.android.wallet	Luno: Buy Bitcoin, Ethereum and Cryptocurrency

Package Name	App Name
com.uob.mighty.app	UOB Mighty Singapore
com.booking	Booking.com: Hotels, Apartments & Accommodation
sk.vub.mobile	VÚB Mobile Banking
com.anz.transactive.global	ANZ Transactive - Global
com.vipera.ts.starter.QNB	QNB Mobile
es.cm.android	Bankia
www.ingdirect.nativeframe	ING España. Banca Móvil
app.wizink.es	WiZink, tu banco senZillo
com.rsi	ruralvía
com.targoes_prod.bad	TARGOBANK - Banca a distancia
com.santander.bpi	Santander Private Banking
com.tecnocom.cajalaboral	Banca Móvil Laboral Kutxa
com.rsi.Colonya	Colonya Caixa Pollença
com.kutxabank.android	Kutxabank
es.bancosantander.apps	Santander
es.bancosantander.empresas	Santander Empresas
es.bancosantander.wallet	Santander Wallet
es.caixagalicia.activamovil	ABANCA- Banca Móvil
es.caixageral.caixageralapp	Banco Caixa Geral España
es.caixaontinyent.caixaontinyentapp	Caixa Ontinyent
es.cecabank.ealia2103appstore	UniPay Unicaja
es.ceca.cajalnet	Cajalnet
es.evobanco.bancamovil	EVO Banco móvil
es.ibercaja.ibercajaapp	Ibercaja
es.lacaixa.mobile.android.newwapicon	CaixaBank
es.liberbank.cajasturapp	Banca Digital Liberbank
es.openbank.mobile	Openbank – banca móvil
es.orangebank.app	Orange Bank - Banco Móvil

Package Name	App Name
es.pibank.customers	Pibank
es.santander.Criptocalculadora	Criptocalculadora
es.santander.money	Santander Money Plan
es.unicajabanco.app	Unicaja Banco
es.univia.unicajamovil	UnicajaMovil
com.indra.itecban.triodosbank.mobile.banking	Triodos Bank. Banca Móvil
com.indra.itecban.mobile.novobanco	NBapp Spain
com.imaginbank.app	imaginBank - Your mobile bank
com.westernunion.moneytransferr3app.es	Western Union ES - Send Money Transfers Quickly
com.grupocajamar.wefferent	Grupo Cajamar
com.db.pbc.mibanco	Mi Banco db
com.db.pbc.DBPay	DB Pay
com.v2msoft.contasimple	Contasimple - Invoices, estimates & delivery notes
com.cajasur.android	Cajasur
com.cajasiete.android.cajasietereport	Report
com.cajaingenieros.android.bancamovil	Caja de Ingenieros Banca MÓVIL
com.bbva.bbvacontigo	BBVA Spain
com.bankinter.launcher	Bankinter Móvil
com.bankinter.empresas	Bankinter Empresas
com.bankinter.bkwallet	Bankinter Wallet
com.bankia.wallet	Bankia Wallet
com.bancsabadell.wallet	Sabadell Wallet
com.bancocajasocial.geolocation	Banco Caja Social Móvil
net.inverline.bancosabadell.officelocator.android	Banco Sabadell App. Your mobile bank
com.mediolanum	Banco Mediolanum España
com.abanca.bancaempresas	ABANCA Empresas
com.bbva.netcash	BBVA Net Cash - ES & PT

Package Name	App Name
com.ubs.swidKXJ.android	UBS Mobile Banking: E-Banking and mobile pay
ch.autoscout24.autoscout24	AutoScout24 Switzerland – Find your new car
com.spotify.music	Spotify: Listen to new music, podcasts, and songs
com.krungsri.kma	KMA
ktbcs.netbank	Krungthai NEXT
com.scb.phone	SCB EASY
com.kasikorn.retail.mbanking.wap	K PLUS
com.pozitron.iscep	İşCep - Mobile Banking
com.anadolubank.android	Anadolubank Mobil
com.mobillium.papara	Papara
com.vakifbank.mobile	VakıfBank Mobil Bankacılık
trendyol.com	Trendyol - Hızlı ve Güvenli Alışverişin Yolu
com.ykb.android	Yapı Kredi Mobile
tr.com.hsbc.hsbcturkey	HSBC Turkey
finansbank.enpara.sirketim	Enpara.com Şirketim Cep Şubesi
com.teb	CEPTETEB
finansbank.enpara	Enpara.com Cep Şubesi
com.aktifbank.nkolay	N Kolay
com.kuveytturk.mobil	Kuveyt Türk
com.btcturk.pro	BtcTurk - PRO - Bitcoin Al-Sat
com.btcturk	BtcTurk Bitcoin Borsası
com.ziraatkatilim.mobilebanking	Katılım Mobil
com.denizbank.mobildeniz	MobilDeniz
com.tfkb	Türkiye Finans Mobile Branch
com.paribu.app	Paribu
com.garanti.cepsubesi	Garanti BBVA Mobile
tr.com.sekerbilisim.mbank	ŞEKER MOBİL ŞUBE
com.albarakaapp	Albaraka Mobile Banking

Package Name	App Name
tr.gov.turkiye.edevlet.kapisi	e-Devlet Kapısı
com.mobillium.btcturk	BtcTurk - Bitcoin Al/Sat
com.tmobtech.halkbank	Halkbank Mobil
com.akbank.android.apps.akbank_direkt	Akbank
com.pttfinans	PTTBank
com.magiclick.odeabank	Odeabank
paladyum.peppara	PeP: Para Transferi Sanal Kart
com.ziraat.ziraatmobil	Ziraat Mobile
com.ingbanktr.ingmobil	ING Mobil
com.amazon.sellermobile.android	Amazon Seller
com.airbitz	Bitcoin Wallet - Airbitz
com.liv.android	Liv. - Digital Lifestyle Bank
com.emiratesnbd.android	ENBD X
com.NBQBank	NBQBANK
com.dib.app	DIB MOBILE
com.vipera.ts.starter.MashreqAE	Mashreq UAE
com.adib.mobile	ADIB Mobile Banking App
com.mashreq.NeoApp	Mashreq Neo - Bank easy
com.mbanking.ajmanbank	Ajman Bank
com.uab.personal	United Arab Bank Mobile
com.s4m	EI Bank
com.cbd.mobile	CBD
com.vipera.nbf	NBF Direct App
com.scb.ae.bmw	SC Mobile Banking (UAE)
com.myc3card.app	C3Pay
com.aaib	AAIB Mobile
ae.almasraf.mobileapp	Al Masraf
com.bankfab.pbg.ae.dubaifirst	Dubai First
com.sib.retail	SIB Digital

Package Name	App Name
enbd.mobilebanking	Emirates NBD
com.infosys.alh	Al Hilal Mobile Banking App
ae.ahb.digital	Al Hilal Digital
com.rak	RAKBANK Digital Banking
uk.co.hsbc.hsbcukmobilebanking	HSBC UK Mobile Banking
com.virginmoney.cards	Virgin Money Credit Card
com.barclays.android.barclaysmobilebanking	Barclays
uk.co.santander.santanderUK	Santander Mobile Banking
com.grppl.android.shell.halifax	Halifax: the banking app that gives you extra
com.rbs.mobile.android.rbs	Royal Bank of Scotland Mobile Banking
uk.co.mbna.cardservices.android	MBNA - Card Services App
com.grppl.android.shell.CMBllloydsTSB73	Lloyds Bank Mobile Banking: by your side
uk.co.tescomobile.android	Tesco Mobile
com.grppl.android.shell.BOS	Bank of Scotland Mobile Banking: secure on the go
com.rbs.mobile.android.natwest	NatWest Mobile Banking
uk.co.metrobankonline.mobile.android.production	Metro Bank
com.transferwise.android	TransferWise Money Transfer
com.revolut.revolut	Revolut - Get more from your money
uk.co.tsb.newmobilebank	TSB Mobile Banking
com.ie.capitalone.uk	Capital One UK
com.cooperativebank.bank	The Co-operative Bank
com.csam.icici.bank.imobile	iMobile by ICICI Bank
co.uk.Nationwide.Mobile	Nationwide Banking App
com.zenithBank.eazymoney	Zenith Bank Mobile App
me.cryptopay.android	C.PAY
com.att.myWireless	myAT&T
com.ubercab.eats	Uber Eats: Food Delivery
com.unionbank.ecommerce.mobile.android	Union Bank Mobile Banking

Package Name	App Name
com.usaa.mobile.android.usaa	USAA Mobile
com.usbank.mobilebanking	U.S. Bank - Inspired by customers
com.viber.voip	Viber Messenger - Messages, Group Chats & Calls
com.pnc.ecommerce.mobile	PNC Mobile
com.wallet.crypto.trustapp	Trust: Crypto & Bitcoin Wallet
com.wf.wellsfargomobile	Wells Fargo Mobile
co.mona.android	Crypto.com - Buy Bitcoin Now
com.woodforest	Woodforest Mobile Banking
com.navyfederal.android	Navy Federal Credit Union
com.yahoo.mobile.client.android.mail	Yahoo Mail – Organized Email
com.zellepay.zelle	Zelle
com.mtb.mbanking.sc.retail.prod	M&T Mobile Banking
com.morganstanley.clientmobile.prod	Morgan Stanley Wealth Mgmt
com.mfoundry.mb.android.mb_136	People’s United Bank Mobile
com.mcom.firstcitizens	First Citizens Mobile Banking
com.mbankuae.amcb	MBank UAE
com.mail.mobile.android.mail	mail.com mail
com.konylabs.capitalone	Capital One® Mobile
com.key.android	KeyBank Mobile
com.infonow.bofa	Bank of America Mobile Banking
com.imo.android.imoim	imo free video calls and chat
com.icsfs.jkb	JKB-Mobile
com.huobionchainwallet.gp	HuobiWallet
com.google.android.apps.nbu.paisa.user	Google Pay
com.ebos.bos	eBOS Mobile
com.discoverfinancial.mobile	Discover Mobile
com.compassavingsbank.mobile	Compass Savings Bank
com.clairmail.fth	Fifth Third Mobile Banking

Package Name	App Name
com.citizensbank.androidapp	Citizens Bank Mobile Banking
com.citi.mobile.ccc	CitiManager – Corporate Cards
com.citi.citimobile	Citi Mobile®
com.chase.sig.android	Chase Mobile
com.botw.mobilebanking	Bank of the West Mobile
com.bbt.myfi	U by BB&T
com.barclaycardus	Barclays US
com.BanqueMisr.MobileBanking	BM Online
com.arabbank.arabimobilev2	Arabi-Mobile
com.aol.mobile.aolapp	AOL - News, Mail & Video
com.americanexpress.android.acctsvcs.us	Amex
com.ally.MobileBanking	Ally Mobile
com.alahli.quickpay	SNB QuickPay
com.alahli.mobile.android	SNB AlAhli Mobile
com.adcb.cbgdigi	ADCB Hayyak: Start your banking relationship now!
com.schwab.mobile	Schwab Mobile
com.suntrust.mobilebanking	SunTrust Mobile App
com.tdbank	TD Bank (US)
com.robinhood.android	Robinhood - Investment & Trading, Commission-free
com.uba.vericash	UBA Mobile Banking
com.ubercab	Uber - Request a ride
com.amazon.mShop.android.shopping	Amazon Shopping - Search, Find, Ship, and Save
com.uy.itaui.appitauuyf	Itaú Uruguay
uy.com.brou.token	BROU Llave Digital
uy.brou	App Móvil del Banco República
com.accessbank.accessbankapp	Access Bank plc
com.bitpanda.bitpanda	Bitpanda - Buy Bitcoin in minutes

Source: <https://www.threatfabric.com/blogs/hook-a-new-ermac-fork-with-rat-capabilities.html>