



National Cyber Security Centre

a part of GCHQ



Australian Government  
Australian Signals Directorate

**ASD** AUSTRALIAN SIGNALS DIRECTORATE  
ACSC Australian Cyber Security Centre



Bundesamt für Verfassungsschutz



Communications Security Establishment

Canadian Centre for Cyber Security

Centre de la sécurité des télécommunications

Centre canadien pour la cybersécurité



National Cyber Security Centre



PART OF THE GCSB

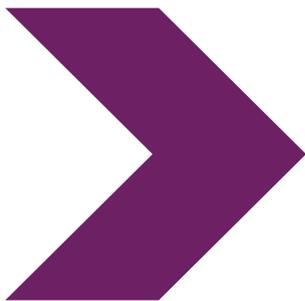


# Fale‘i

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**BADBAZAAR mo e MOONSHINE:  
Tāketi ‘e he Spyware ‘a e ngaahi  
kulupu Uyghur, Taiwan mo Tibet  
mo e kau ngāue ‘i he sōsaieti  
sivilé**

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# BADBAZAAR mo e MOONSHINE: Tāketi ‘e he Spyware ‘a e ngaahi kulupu Uyghur, Taiwan mo Tibet mo e kau ngāue ‘i he sōsaieti sivilé

**Na‘e pulusi ‘e he NCSC mo hono ngaahi hoangāué ‘a e fakamatala fo‘ou mo e ngaahi founga fakasi‘isi‘i uesia ma‘a kinautolu ‘oku tu‘u laveangofua ‘aupito ki he liuanga ‘e ua ‘o e spyware.**

## Fakalukufua

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Ko e fale‘i ko ‘ení kuo fa‘u ia ‘i he poupou mai ‘a e UK [Cyber League](#), fakataha mo e National Cyber Security Centre (NCSC UK) mo e ngaahi hoangāue fakavaha‘apule‘angá:

- **The Australian Cyber Security Centre, ko e kongá ‘o e Australian Signals Directorate**
- **The Canadian Centre for Cyber Security, ko e kongá ‘o e Communications Security Establishment**
- **The German Federal Intelligence Service**
- **The German Federal Office for the Protection of the Constitution**
- **The New Zealand National Cyber Security Centre, ko e kongá ‘o e Government Communications Security Bureau**
- **The United States Federal Bureau of Investigation**
- **The United States National Security Agency**

Ko hono taumu‘á ke faka lahi ange a e ‘ilo ‘o kau ki he tupulaki ‘a e fakamanamana ‘o e kakai ngāue kovi ‘i he ‘initaneti ki he kakai ‘oku felāve‘i mo e ngaahi kaveinga ‘o kau ai ‘a Taiwan, Tibet, Xinjiang Uyghur Autonomous Region, ngaahi fa‘ahi fakatemokālatí mo e Falun Gong.

Ko e fale‘i ko ‘ení ‘oku kau ai ‘a e ongo keisi ako ‘e ua ‘a ia ‘oku fakaikiiki ai ‘a e ngaahi founga ‘oku ngāue ‘aki ‘e he kakai ngāue kovi ‘i he ‘initaneti ‘okú nau ngāue ‘aki ‘a e spyware ‘oku ‘iloa ko e BADBAZAAR mo e MOONSHINE ke tāketi ‘a e teita ‘i he ngaahi me‘angāue to‘oto‘ó ‘o kau ai ‘a e ngaahi telefoni ‘a ia ‘e ala mahu‘inga ki he pule‘anga Siainá. ‘Okú ne faka‘ilonga foki ki he fakahinohino ke tokoni‘i ‘aki ‘a e kakai ke malu‘i kinautolu, ‘enau ngaahi me‘angāué mo ‘enau fakamatalá.

Fakataha mo e fale‘i ko ‘ení, kuo pulusi ‘e he NCSC ‘a e [fakaikiiki fakatekinikale kakato mo hono fakahinohino mavahe](#).

## Ko hai ‘oku tu‘u laveangofuá?

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Kuo siofi ‘e he ngaahi kautaha fa‘u fale‘í mo e ngaahi hoangāué hono tāketi fakapatonu ‘e he BADBAZAAR mo e MOONSHINE ‘a e kakai ‘oku felāve‘i mo e ngaahi kaveinga ‘a ia ‘oku pehē ‘e he pule‘anga Siainá ko ha fakamanamana ki honau mafai fakalotofonuá, taumu‘á mo e ongoongo fakamāmānilahí. Ko kinautolu ‘oku tu‘u laveangofua ‘aupitó, ka ‘oku ‘ikai ke fakangatangata ki ha, taha ‘oku fekau‘aki mo e:

- › **tau‘atāina ‘a Taiwan**
- › **ngaahi totonu ‘a e kakai Tibet**
- › **Kau Uyghur Muslims mo e ngaahi matakali tokosi‘i ange ‘i ai pe meí he Vahefonua Tau‘atāina Xinjiang Uyghur ‘i Siainá**
- › **taukapo ‘o e temokālatí (including Hong Kong)**
- › **fa‘ahi fakalotu Falun Gong**

‘Oku kau heni ‘a e ngaahi kautaha ‘ikai pule‘anga (NGOs), kau faiongoongo, ngaahi pisinisi mo e kakai ‘okú nau taukave‘i ‘a e, fekau‘aki mo e, pe fakaafongā‘i ‘a e ngaahi kulupu ko ‘ení. Ko e founga ‘oku mafola fa‘iteliha ai ‘a e spyware ko ‘ení ‘i he ‘initanetí ‘oku ‘uhinga foki ia ‘oku ‘i ai ‘a e faingamālie ‘e ala mafola ‘a e ngaahi uesiá ‘o mahulu atu meí he kau mamahi na‘e taumu‘a ki aí.

‘Oku taumu‘a ‘a e fale‘i ko ‘ení ke tokoni‘i kinautolu ‘oku tu‘u laveangofuá ke nau ngāue lelei ki he fakamanamana pau meí he spyware BADBAZAAR mo e MOONSHINE. Ko e ngaahi founga fakasi‘isi‘i uesia kuo fokotu‘u atú ‘oku hōhoa tatau mo e fale‘i lahi ange ki he malu faka‘ilekituloniká pea ‘oku ‘ikai totonu ke fakakau atu ia ‘iate ia pē.

Ko e tohi fakahinohino ko ‘eni ‘oku lave ki ai ‘i he fale‘i ko ‘ení, ‘e lava ‘e kinautolu ‘okú nau ngāue ‘akí ke fakasi‘isi‘i ‘aki ‘a e faingamālie ke hoko ha uesia ki he ‘enau ngaahi me‘angāue to‘oto‘ó mo e teitá.

## Ko e fakamanamaná

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Ko e MOONSHINE mo e BADBAZAAR ko e ongo fakatātā ia ‘o e ngaahi trojan; ‘oku ‘i ai honau ngaahi fatongia kovi ‘oku fūfū ‘i loto ‘i ha app ‘oku ngāue ‘a ia ‘e lava ‘o taunilouti meí he ngaahi falekoloa app pe ngaahi sēvesi vahevahe faka‘ilekitulōnika faka‘ilekitulōnika ‘o e failé ‘i he ‘initanetí.

Ko e ngaahi app ko ‘ení kuo fa‘u ke kākaa‘i ‘aki ‘a e taha ‘okú ne ngāue ‘akí ke ne taunilouti mo ‘inisitolo kinautolu ‘i ha me‘angāue. Ko e hili pē hono ‘inisitolo ha apps, ‘okú ne ngāue ‘aki ‘a e ngaahi matavaivai ‘i he me‘angāue ko íá ke ne fakahoko ‘a e ngaahi fatongia ‘ikai fakamafai‘i, pe ‘okú ne ala fakafalala ‘i he ngaahi fakangofua ‘a e taha ‘okú ne ngāue ‘akí ‘a e polokalamá ke hū ai mo taunilouti ha fakamatala meí he me‘angāué, kau ai ‘a e:

- **teita ‘o e feitu‘u ‘oku ‘i aí kau ai ‘a e muimui‘i ‘i he taimi pē ‘oku hoko aí**
- **hū ki he microphone mo e me‘afaitaá**
- **ngaahi tohi, tā mo e ngaahi faile kehe ‘oku tauhi ‘i he me‘angāué**
- **fakamatala kau ki he me‘angāué mo e hā fua**

‘Oku ngāue ‘aki leva ‘e he kakai ngāue kovi ‘a e ngaahi kaunga fakalao ‘o e ngaahi kulupu tu‘u laveangofuá, ke faka‘ilonga‘i mo uesia ‘aki ‘a e kau tāketi lahi taha ‘e ala lava, mo lava ke a‘u ki he ‘enau teitá. Ko e founa ‘e taha ‘okú nau fakahoko ‘aki ‘ení ko hono fa‘u ‘o e ngaahi polokalama ‘okú nau ‘ilo te ne tohoaki‘i ‘enau kau tāketí, ‘o hangē ko e ngaahi polokalama ‘okú ne poupu ki he ‘enau ngaahi lea fakafonua, pe ‘oku ‘i ai ha koniteni ‘oku fakapatonu ki he ngaahi feitu‘u ‘o hangē ko e ngaahi vahefonua Tibet ‘o Siainá pe Xinjiang.

Ko e ongo keisi ako ‘i he fale‘i ko ‘ení ‘okú ne ‘omai ha ngaahi fakatātā ‘e ni‘ihi ‘o eni, kau ai ‘a e ngaahi polokalama TibetOne mo e Uyghur Quran.

Ko e kakai ngāue kovi ko ‘ení ‘okú nau tu‘u mo‘ui ‘i he ngaahi fōlomu ‘i he ‘initanetí ‘a ia ‘oku ‘i ai ha peisi ki he ‘enau kau tāketi ‘oku fakataumu‘a ki aí, ‘a ia ‘oku fakalahi ai ‘a e faingamālie ke uesia ‘a e kau tāketí. Kuo siofi kinautolu ‘o ‘ilo‘i ‘enau vahevahe faka‘ilekitulōnika ‘a e spyware ‘aki ha taumu‘a kovi ‘i he ngaahi sēnolo Telegram felāve‘i mo Tibet mo e ngaahi fōlomu Reddit. ‘Oku ‘oatu foki ‘e he ongo keisi ako ‘i he fale‘i ko ‘ení ‘a e ngaahi fakatātā ‘o e ngaahi founa ko ‘ení.

Ko e ngaahi polokalama kovi ko ‘ení ‘oku fa‘a vahevahe faka‘ilekitulōnika ia ko ha faile tu‘u tokotaha, ‘o hangē ko ha ngaahi faile APK ‘i he Android, ‘a ia ‘oku fie ma‘u ke taunilouti mo ‘inisitolo ‘e kinautolu ‘okú nau ngāue ‘akí. ‘Oku feinga ‘a e kakai ngāue

koví ke hā fakalao ange ‘enau spyware ‘aki hono ‘apulouti ia ki he ngaahi falekoloa polokalama faka‘ofisiale ‘i he Google Play Store mo e Apple App Store pe ko hono tanaki ‘o e ngaahi fika kovi ki he ngaahi polokalama na‘e lelei kimu‘a, neongo ‘oku ‘i ai ‘a e ngaahi founa malu‘i ‘a e ngaahi falekoloa faka‘ofisialé mo e ngaahi founa sivi ‘oku si‘isi‘i ke ola lelei ai ‘a e founa ko ‘ení. ‘Oku malu ange heni ‘a e ngaahi polokalama meí he ngaahi falekoloa faka‘ofisialé, ka ‘i hono fakahā ‘i he ongo keisi akó mo e [Lipōti Fakamanamana ‘a e Falekoloa Polokalama](#) ‘a e NCSC, ‘oku ‘ikai haohaoa ‘a e ngaahi founa ko ‘ení.

Ki ha fale‘i ‘oku fakaikiiki, vakai ki he konga ngaahi founa fakasi‘isi‘i uesiā.



# Four tips to stay safe when using your smartphone

Reduce the risk from malicious apps with good cyber hygiene, then follow these four principles:

## Stay Mainstream >

Don't root or jailbreak devices, only use trusted app stores.



## Stay Organised >

Review installed apps and permissions regularly.



## Stay in Touch >

Report suspicious messages and files to online services.



## Stay Alert >

Stay vigilant on social media and check shared files and links.



## Ngaahi keisi akó

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‘Oku faka‘ali‘ali ‘e he ongo keisi ako ‘e ua ko ‘ení ‘a e founa ‘oku ngāue ai ‘a e MOONSHINE mo e BADBAZAAR, mo e founa ‘oku tāketi ai ‘e he kakai ngāue kovi ‘i he ‘initanetí ‘a kinautolu ‘oku tu‘u laveangofua tahá.

### Keisi ako ‘uluakí: MOONSHINE

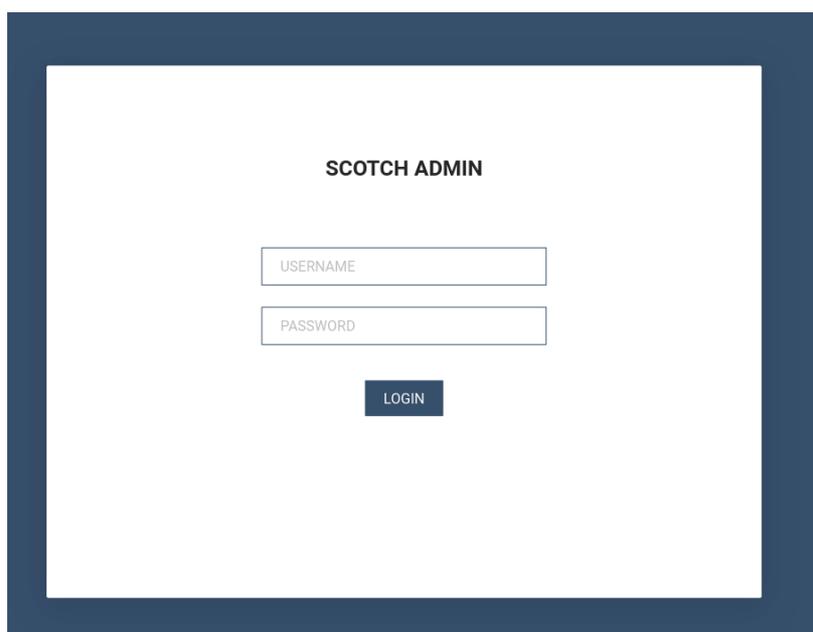
Ko e MOONSHINE ko ha spyware ‘i he Android ‘a ia na‘e lipōti ‘i he 2019 ‘e he [Citizen Lab](#) ‘okú ne tāketi ‘a e ngaahi kulupu Tibet. ‘Oku fakapuli ‘a e MOONSHINE ko ha polokalama fakalao ia ke ne tauhele‘i ‘a e kau tāketí kenau ‘inisitolo ia ‘i he telefoní. Kuo vahevahe faka‘ilekitulōnika ia ‘i he ngaahi sēnolo Telegram mo e ngaahi fehokotaki‘anga ‘initanetí ‘o fou ‘i he WhatsApp

‘Oku lahi ‘aupito ‘a e ngaahi pōto‘i muimui‘i ‘o e MOONSHINE, ‘o hangē ko e:

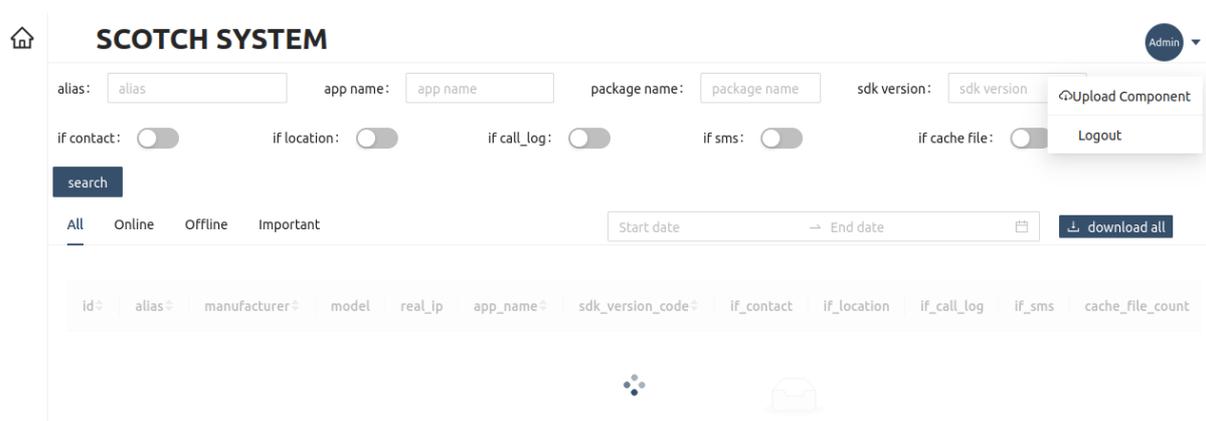
- **teita ‘o e feitu‘u ‘oku ‘i ai kau ai ‘a e muimui‘i ‘i he taimi pē ‘oku hoko ai**
- **fakamafola ‘o e ongó mo e faitā**
- **taunilouti ‘o e ngaahi failé meí he me‘angāué**
- **ma‘u ‘o e fakamatala kau ki he me‘angāué**
- **tā ‘o e ongó ‘i he me‘angāué**

Ko e polokalama ko e ‘ناؤازلىق قۇرئان.apk’, ‘a ia ‘oku liliu lea ko e ‘**Audio Quran.apk**’, ko ha fakatātā ia ‘o e founa ‘oku ngāue ‘aki ‘e he MOONSHINE ke ne tāketi ‘a e kakai Uyghur. Ko hono ngāue ‘aki ‘o e lea Uyghur ‘i he hingoa ‘o e failé, ‘oku fakahā ai ko ha polokalama Quran ia, ngalingali na‘e fa‘u ia ke ne tauhele‘i ‘a e kakai Uyghur Muslims.

Hili hono ‘inisitoló, ‘e lava ‘a e kakai ngāue kovi ‘i he ‘initanetí ‘o tānaki ‘a e fakamatala meí he ngaahi me‘angāue ‘a e kau mamahí. Ko e fakamatala ko ‘ení ‘oku a‘u ki ai ‘o fou ‘i he pēnolo ‘SCOTCH ADMIN’.



Hili ‘a e hū ki lotó, ‘e lava ‘a e kakai ngāue kovi ko ‘ení ‘o a‘u ki he peesi ‘oku hā ‘i he la‘itā ‘i laló. ‘Oku hā ‘i he peesi ko ‘ení ‘a e ngaahi fakaikiiki ‘o e ngaahi me‘angāue kuo uesiá mo e tu‘unga ‘o e a‘u ‘oku ma‘u ‘e he taha ngāue kovi ki he ngaahi me‘angāue kuo uesiá:



‘Oku hā ‘i he pēnolo pule‘i ‘o e melouea ‘a e teita kuo tānakí, kau ai ‘a e:

- > **tu‘unga ‘o e ‘au ki he me‘angāué**
- > **ngaahi tohi SMS**
- > **ngaahi loka ‘o e fetā‘akí**
- > **teita ‘o e feitu‘u ‘oku ‘i aí**
- > **fakamatala ‘o kau ki he me‘angāué**

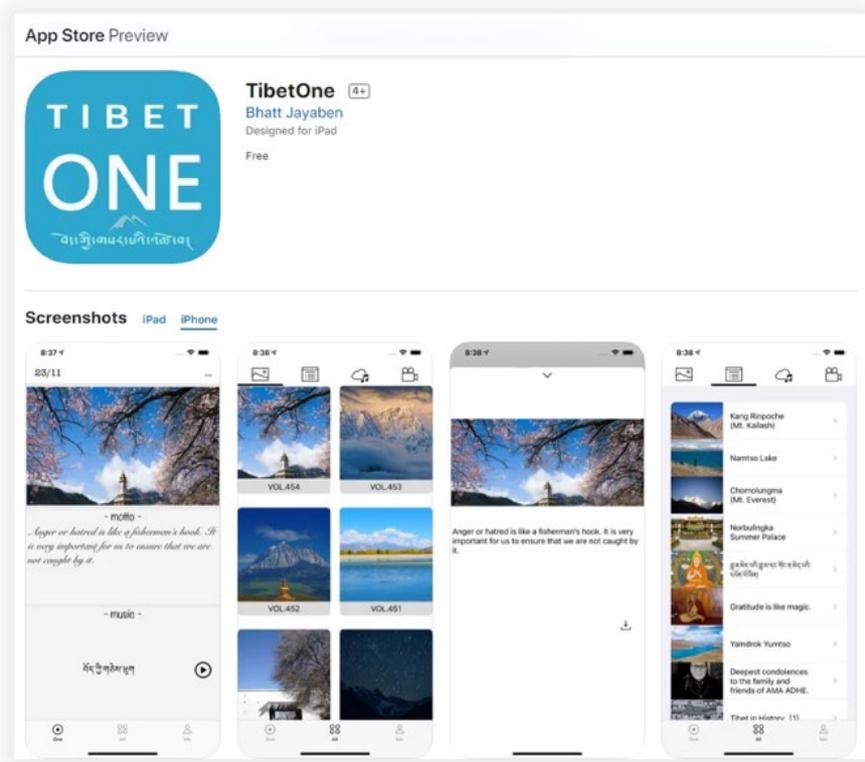
‘I he fengāue‘aki mo e Cyber League, kuo hoko atu ‘a e NCSC ‘i he [lipōti ngāue meí he Trend Micro](#) ‘o ‘ilo ‘a e ngaahi femahili‘aki ‘i he vaha‘a ‘o e naunau ngāue‘aki MOONSHINE mo e ngaahi pēnolo hū ‘oku kau ai ‘a e 'UPSEC' ‘i he hingoa HTML. Ko e kakato ‘o e ngaahi fakaikiiki ‘oku ‘i he fale‘i fakatekinikale ‘oku ‘oatu fakataha mo ení.

Fakatatau ki he [Intelligence Online](#), ko e UPSEC ko ha lave ia ki he ‘Sichuan Dianke Network Security Technology Co. Ltd’. ‘Oku te‘eki ai ke fakamo‘oni‘i ‘e he ngaahi kautaha fa‘u fale‘i ‘a e fakamatala ni.

## Keisi ako hono uá: BADBAZAAR

BADBAZAAR ko ha meloua to‘oto‘o ‘oku ‘i ai hono ongo liuanga iOS mo Android ‘a ia kuó ne tāketi‘i ‘a e kakai Uyghur, Tibet mo Taiwan. Ko e melouea ko ení kuo fakamafola ia ‘o fou ‘i he ngaahi peletifoomu mītia sōsialé mo e ngaahi falekoloa app faka‘ofisialé.

Kuo ngāue ‘aki ‘a e BADBAZAAR ke tāketi ‘aki ‘a e kakai Tibet ‘o fou ‘i he polokalama **TibetOne**, ‘o fakatatau ki hono lipōti ‘e he [Lookout](#) mo e [Volexity](#). Ko e **TibetOne** ko ha polokalama iOS app kuo fa‘u ‘e he kakai ngāue koví, ‘okú ne malava ke a‘u ki he fakamatala kau ki he me‘angāué mo e teita ‘o e feitu‘u ‘oku ‘i aí. Na‘e ‘apulouti ia ki he Apple App Store ‘i Tisema 2021 ka ‘oku ‘ikai toe lava ke ngāue ‘aki. Ke fakamafola lahi ange ‘a e melouea, ‘oku tu‘uaki foki ‘e he kakai ngāue koví ‘a e app ‘i ha sēnolo Telegram ‘oku ui ko e **tibetanphone**.



Fakatātā 1: Peesi polokalama TibetOne 'i he the Apple App Store. Kuo to 'o 'a e polokalamá talu mei ai.

8 December 2021

A
04:15

<https://apps.apple.com/app/tibetone/id1597024202>

**TibetOne**

...

A
04:42

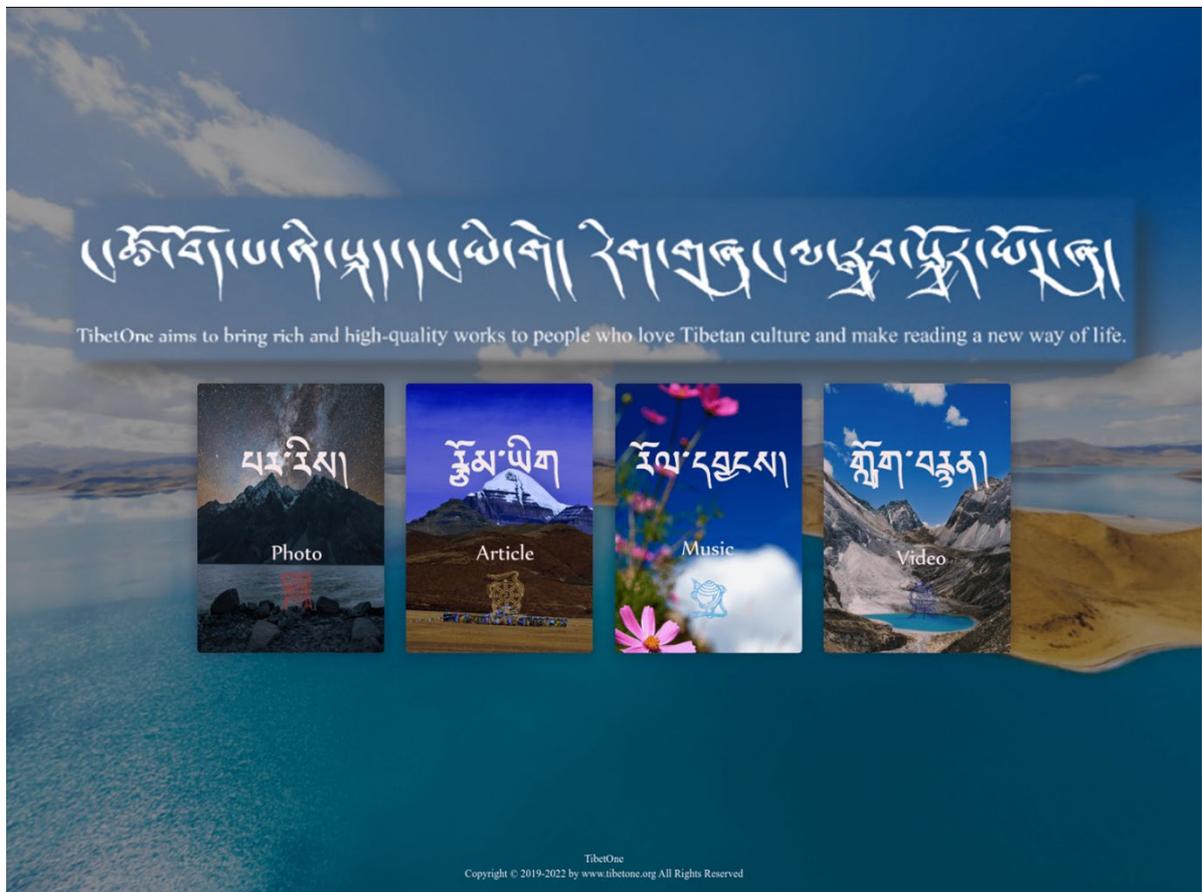
App Store Preview

**TibetOne**

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Fakatātā 2: TibetOne 'i hono vahevahe faka'ilekitulōnika 'i he ngaahi sēnolo Telegram.

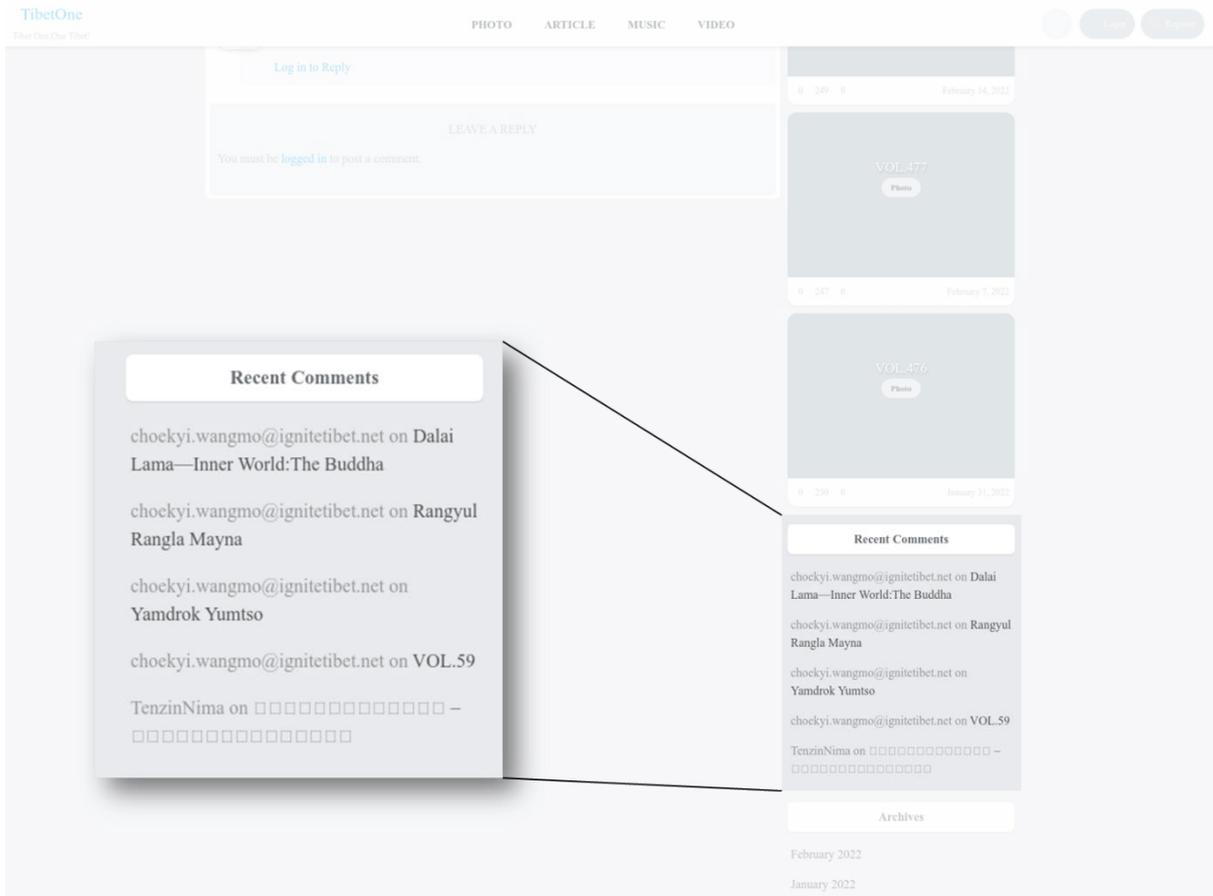
Ke t̄anaki atu ke h̄a ngali mo‘oni ‘a e app, kuo fa‘u ‘e he kakai nḡaue kov̄i ha uepisaiti ‘oku ui ko e **‘tibetone[.]org’**, ‘a ia ‘okú ne fakamatala‘i ai ia ko e ‘faka[hoko]’ ‘a e ngaahi nḡaue mā‘ongo‘ongo mo tu‘unga lelei ki he kakai ‘okú nau ‘ofa ‘i he ‘ulungaanga fakafonua Tibet mo hoko ‘a e laukongá ko ha founga mo ‘ui fo‘ou‘.



Fakatātā 3: Peesi ‘uluaki ‘o e ‘tibetone[.]org’.

*Kuo liliu ‘a e ‘īmisi ko ‘enī ke mahino ange ‘a e ngaahi konga felāve‘i mo iá.*

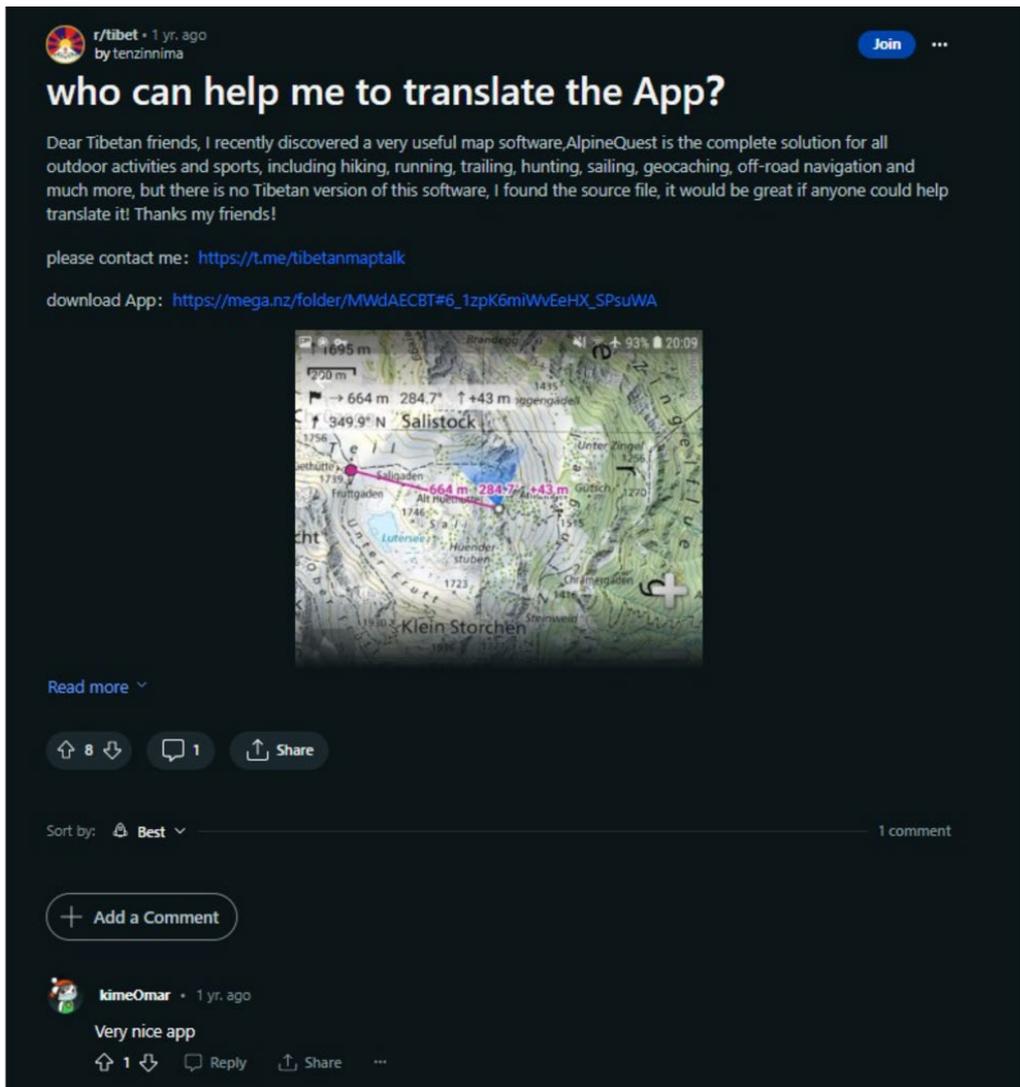
Ko e uepisaiti ko ‘enī na‘e ‘i ai ‘a e peesi ki he ngaahi ‘ātikoló na‘e lava ‘a kinautolu ‘okú nau nḡaue ‘akí ‘o tuku ai ha‘anau komeni. Ko ha komeni ‘a e tu‘asila ‘īmeili **‘choekyi.wangmo@ignitetibet.net’**, ‘oku ‘i ai ‘a e tui ‘oku pule‘i ia ‘e ha taha kovi pea ‘oku ngalingali ke ne fa‘ifa‘itaki ‘a **‘Choekyi Wangmo’** ‘a ia ‘oku lisi ‘e he [Tibetan Centre of Human Rights and Democracy](#) ko etaukei fakapepaki ‘o Tibet. ‘Oku ngalingali ko ha feinga eni ‘e taha ke h̄a atu ‘oku taukapo‘i ‘e he app ‘a e tau‘atāina ‘a e kakai Tibet.



Fakatātā 4: 'tibetone[.]org' ko e peesí 'oku hā ai 'a e ngaahi komeni mei kinautolu 'okú nau ngāue 'aki 'a ia 'oku 'i ai 'a e tui 'oku pule'i 'e he taha ngāue koví.

Kuo liliu 'a e 'īmisi ko 'ení ke mahino ange 'a e ngaahi kongā felāve'i mo iá.

'**TenzinNima**' ko ha username 'e taha kuo ne tānaki atu ha ngaahi komeni ki he saiti ko 'ení. Kuo lipōti 'e heVolexity 'oku toe ngāue 'aki 'a e username ko 'ení 'i he Reddit ke ne tu'uaki 'a e sēnolo Telegram ko e '**Tibetanmaptalk**'. 'Oku kau ai 'a e fehokotaki'anga 'initaneti ke taunilouti ha semipolo kovi 'o e '**AlpineQuest**' ko ha app fekumi 'i he ngaahi me'angāue Android. Ko e fehokotaki'anga 'initaneti ki ha sēvesi vahevahe faka'ilekitulōnika 'o e failé 'a ha fa'ahi hono tolu 'oku ui ko e Mega.



Fakatātā 5: Ko e pousi Reddit na ‘á ne tu ‘uaki ‘a e polokalama koví ‘aki ha ‘akauni ‘oku ‘i ai ‘a e tui ‘oku pule ‘i ‘e ha taha koví.

‘Oku fakatokanga ‘i foki ‘e he Volexity ‘oku ‘i ai ‘a e taha ‘okú ne ngāue ‘aki ‘oku ‘iloa ko ‘KimeOmar’ na ‘á ne komeni ‘i he pousí ‘a ia kuo fakatokanga ‘i ‘ene vahevahe faka‘ilekitulōnika ‘a e ngaahi polokalama koví ‘i ha fōlomu si‘i ‘o e Reddit. ‘Oku ala lava ‘o fakahā heni ‘oku ngāue ‘aki ‘e he kakai ngāue koví ‘a e ngaahi polōfaila mītia sōsiale ‘oku lahi ke hā ngali fakalao ai ‘enau ngaahi pousí.

## Sivi

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Ko e BADBAZAAR mo e MOONSHINE ‘okú na ngāue ‘aki ‘a e ngaahi founa ‘enisia sōsiale kehekehe ke tāketi fakapatonu ‘a e ngaahi komiuniti Uyghur, Tibet mo e Taiwan, ‘a ia ko e:

- ko hono trojanisation ‘o e ngaahi apps ‘oku mahu‘inga ki he ngaahi komiuniti ko ‘eni, ‘o hangē ko e polokalama Quran lea Uyghur, ‘a ia ‘oku ‘osi fakapatonu ia ki he peisi ‘o e kakai mamahi ‘oku tāketi
- ko hono tñnaki atu ‘a e app kuo trojanise ki he ngaahi falekoloa app faka‘ofisialé ‘oku lahi ‘aupito ai ‘a e faingamālie ke ‘i ai ‘a e ongo‘i ‘oku fakalao, pea ko hono vahevahe faka‘ilekitulōnika atu ‘i he ngaahi kulupu fepōtalanoa‘aki ‘oku lahi ‘aupito ‘a ‘ene taumu‘a ke ngāue ‘aki ‘a e ngaahi vā falala‘anga ‘i loto ‘i he ngaahi komiuniti ko ‘eni

Ko e BADBAZAAR mo e MOONSHINE ‘okú na tñnaki ‘a e teita ‘a ia ‘e mei mahu‘inga ki he pule‘anga Siainá. Neongo ko e BADBAZAAR mo e MOONSHINE kuo [‘ilo‘i](#) ‘ena tāketi ‘a e kakai Uyghur, Tibet mo Taiwan, ‘oku ‘i ai ha ngaahi melouea [kehe](#) ‘okú nau tāketi ‘a e ngaahi kulupu toko si‘i kehe ‘i Siaina. Ko e kakai meí he ngaahi fonua kaungā silá, ‘i Siaina mo tu‘apule‘anga, ‘a ia ‘oku pehē ‘okú nau pou pou‘i ‘a e ngaahi ngāue ‘oku fakamanamana ki he tu‘uma‘u ‘a e pule‘angá, ‘okú nau mei kau ‘i hono fakamana‘i meí he melouea to‘oto‘ó ‘o hangē ko e BADBAZAAR mo e MOONSHINE. Ko e malava ke ma‘u ‘a e feitu‘ú, ongó mo e teita tā ‘oku mei ma‘u ai pē ‘a e faingamālie ke ‘aputeiti ‘a e ngaahi ngāue siofi mo fakakina ‘i he kaha‘ú ‘aki hono ‘oatu ‘o e fakamatala ‘i he taimi pē ‘oku hoko aí ‘o kau ki he ‘ekitiviti ‘a e tāketi.

## Ngaahi founga fakasi'isi'i uesia ki he ni'ihī 'okú nau ngāue 'aki 'a e app to'oto'ó

'Oku faka'ai'ai 'e he ngaahi kautaha fa'u fale'i 'a e muimui ki he ngaahi founga malu'i ko 'enī ke malu'i 'aki 'a e ngaahi fakamanamana 'oku fakamatala'i 'i he ongo keisi akó. Ko e ngaahi fale'i ko 'enī 'oku poupu'u ia 'e he fakahinohino ki he founga ngāue lelei taha 'a e NCSC. Vakai ki he kongā 'laukonga makehé' ki he ngaahi fehokotaki'anga 'initaneti ki he fakahinohino founga ngāue lelei taha ki he kau laukonga 'i 'Aositelēlia mo e US.

## Tauhi ho'o me'angāué ke malu

- **Taunilouti pē 'a e ngaahi apps mei he ngaahi falekoloa app faka'ofisialé, 'o hangē ko e Google's Play Store pē ko e Apple's App Store.** 'Oku sikenī 'e he [Google's Play Store](https://play.google.com/) mo e [Apple's App Store](https://www.apple.com/app-store/) 'a e polokalamá koe'uhī ko e ngaahi vailasí kimu'a pea faka'atā ia, 'o fakapapau'i ange kiate koe 'oku malu 'a ia 'okú ke tauniloutí. 'E ala kei fe'ave'aki 'e he ngaahi apps mei he ngaahi falekoloa falala'angá ha faingammālie ke hoko ha fakatu'utāmaki, ka ko e ngaahi taunilouti mei he ngaahi ma'u'anga fakamatala kehé 'e 'ikai ala 'i ai ha ngaahi malu'i 'e taha. 'Oku 'i ai ha lipōti fakamanamana 'a e NCSC 'o kau ki he ngaahi falekoloa app: <https://www.ncsc.gov.uk/files/Threat-report-on-application-stores-web-v2.pdf>
- **Tauhi ho me'angāué mo e apps ke 'aputeiti.** 'Inisitolo 'a e ngaahi 'aputeiti ki ho'o apps mo e polokalama me'angāué 'i he vave taha 'oku lava ai ke ngāue 'akí. Fakamo'ui 'a e 'ngaahi 'aputeiti 'otomētiki' 'i he sētingi ho'o me'angāué 'o kapau 'oku 'i ai koe'uhī ke 'oua te ke fakamanatu ke fakahoko ia. Vakai ki he fakahinohino NCSC 'o kau ki he malu faka'ilekitulōniká, ke malu'i mei he ngaahi vailasí mo e ngaahi fa'ahinga kehe 'o e melouea. Ko e ngaahi 'aputeiti 'oku fa'a kau ai 'a e ngaahi fakalelei mo e ngaahi fa'unga fo'ou: <https://www.ncsc.gov.uk/collection/top-tips-for-staying-secure-online/install-the-latest-software-and-app-updates>

- > **‘Oua ‘e ‘jailbreak’ pe ‘root’ ho‘o me‘angāue** koe‘uhi ‘oku ngāue ‘aki heni ‘a e ngaahi matavaivai fakaemalu‘í ke fakahaohao meí he ngaahi malu‘i ‘a ia kuo fokotu‘ú. ‘Oku hoko ‘o tu‘u laveangofua ange ai ‘a e me‘angāue ki ha ngaahi ‘ohofi. Vakai ki he fakahinohino NCSC:  
<https://www.ncsc.gov.uk/files/Threat-report-on-application-stores-web-v2.pdf>

## Pule‘i ho‘o apps

- > **Toe vakai‘i ho‘o apps mo ‘enau ngaahi fakangofuá.** Kapau ‘oku ‘ikai ke ke toe fiema‘u ha app, tamate‘i ia. Kapau ‘okú ke lava, fakangatangata ‘a e ngaahi fakangofua app ke fakasi‘isi‘i ‘a e fakae‘a ‘o e teitá, koe‘uhi ‘oku fa‘a fa‘u ‘a e meloueá ke ne a‘u ki he ngaahi faile ‘oku malu‘í pe ngaahi peripherals, ‘o hangē ko e ngaahi me‘afaitaá mo e me‘a fakaongo leá..
  - o Founa ke vakai‘i ‘aki ‘a e ngaahi fakangofua app ki he ni‘ihi ‘okú nau ngāue‘aki ‘a e Apple:  
<https://support.apple.com/en-gb/guide/iphone/iph251e92810/ios>
  - o Founa ke vakai‘i ‘aki ‘a e ngaahi fakangofua app ki he ni‘ihi ‘okú nau ngāue‘aki ‘a e Android:  
<https://support.google.com/android/answer/9431959?hl=en-GB>
- > **‘Otomētiki hono seni ‘o e apps ‘ikai ‘ilo‘i ki he Google.** Kapau ko ha taha ngāue ‘aki koe ‘o ha Android pea kuó ke taunilouti ha app ‘a ia ‘oku ‘ikai meí he Google’s Play Store, te ke lava ‘o seni ia ki he Google ‘aki hono faka‘atā ‘o e ‘Fakalelei‘i hono fakatotolo‘i ‘o e app fakatu‘utāmakí‘i he ngaahi sētingi ‘o e app Google’s Play Store ‘i he ‘Play Protect’. ‘E sikeni heni ‘a e app ke fakatotolo‘i ‘a e meloueá ‘a ia ‘oku tokoni ki hono malu‘i ‘o e ni‘ihi ‘okú nau ngāue ‘akí. Fakamatala ki hono fokotu‘u ení:  
<https://support.google.com/android/answer/2812853?hl=en-GB>

# Ngāue ‘aki ‘a e ngaahi sēvesi ‘i he ‘initaneti

- > **Ngāue ‘aki ‘a e ngaahi sēvesi URL falala‘angá kimu‘a pea lomi ‘i he fehokotaki‘anga ‘initaneti.** Te ke lava ke vakai pe ‘oku malu ha fehokotaki‘anga ‘initaneti meí ha ‘īmeili, fekau ‘i ha tohi pe meí ha me‘a kehe ‘aki hono ‘uluaki sikení ia ‘o ngāue ‘aki ‘a e ngaahi sēvesi ‘o hangē ko e [Google Transparency Report](#) pē [Virus Total](#). Te ke lava ‘foki ‘o ‘apulouti ‘a e ngaahi faile ‘oku ngali kehé mo e ngaahi apps ki ha me‘a ‘analaiso melouea, ‘o hangē ko e Virus Total ‘a ia ‘e lava ‘o tokoni ke fakatotolo‘i kapau ‘oku ‘i ai ha fo‘i faile ‘oku kovi. Fakatokanga‘i foki ‘e lava ‘e he ngaahi sēvesi sikení ‘o ‘oatu ha ngaahi nekativi loi.
- > **Lēsisita ki he polokalama Google Advanced Protection.** Ko ha sēvesi ta‘etotongi ‘eni kuo fa‘u ke ne malu‘i ‘a kinautolu ‘okú nau ngāue‘aki ‘a e ngaahi sēvesi Google (Gmail, Play Store, etc) ‘a ia ‘oku ‘i ai ‘a e faingamālie ke tāketi‘i kinautolu. Ko e sēvesi ko ‘ení ‘okú ne ‘oatu ‘a e malu‘i ‘oku lahi ‘i hono ngāue ‘aki ‘o e ngaahi sēvesi Google: <https://landing.google.com/advancedprotection/>
- > **Lēsisita ki he ngaahi sēvesi tu‘uloa makehé, kapau ‘oku ‘atā.** Hangē ko ‘ení, ‘e ala lava ke kau ‘a kinautolu ‘oku tu‘u laveangofua ‘aupito ‘i he UK ki he ngaahi sēvesi malu‘i makehé ke tokoni ki he ‘enau malu fakailekitulōniká. Vakai‘i pe te ke lava ‘o kau ki ai mo ‘ilo lahi ange: [https://www.ncsc.gov.uk/collection/defending-democracy/guidance-for-high-risk-individuals#section\\_7e](https://www.ncsc.gov.uk/collection/defending-democracy/guidance-for-high-risk-individuals#section_7e)

# Lipōti ‘o e ngaahi fakamanamaná

- > **‘Ilo‘i mo hono lipōti ‘o e ngaahi ‘akauni loi** Ko e kakai ngāue kovi ‘i he ‘initaneti ‘okú nau fa‘u ha ngaahi ‘akauni loi pe heki ‘a e ngaahi ‘akauni mo‘oni ke fakalahi ‘aki ‘enau ngaahi taumu‘á. Kapau ‘okú ke mahalo‘i ‘oku loi pe uesia ha ‘akauni, lipōti ia ki he peletifoomú pea poloka ia. ‘Oku ‘i ai ‘a e ngaahi sēvesi lahi ‘oku ‘i ai ‘ene founa ngāue ki hono fakamo‘oni‘i ‘o e ngaahi ‘akauni, ‘o hangē ko e ngaahi ‘pine kuo fakamo‘oni‘i ‘a e Instagram mo e Facebook. ‘E lava eni ‘o tokoni ki hono ‘ilo‘i ‘oku mo‘oni ha ‘akauni. ‘Oku ‘i ai ‘a e fakahinohino ‘a e NCSC ‘okau ki hono ngāue ‘aki malu ‘o e mītia sōsialé ‘a ia ‘oku kau ai ‘a e ngaahi fakaikiiki ‘o e founa ke fakamo‘oni‘i ‘aki mo lipōti ‘a e ngaahi ‘akau kuo uesiá: <https://www.ncsc.gov.uk/guidance/social-media-how-to-use-it-safely>
- > **Phishing ‘o ngāue ‘aki ‘a e ngaahi ‘īmeili kovi, SMS mo e ngaahi fehokotaki‘anga ‘initaneti.** ‘E lava ‘e he NCSC ‘o fakatotolo‘i ‘a e ngaahi tu‘asila ‘īmeili ngali kehé mo e ngaahi uepisaiti. Kapau ‘okú ke pehē ‘oku ngali kehe ha saiti, ‘īmeili pe ha tohi, te ke lava ‘o lipōti ia ki he: <https://www.ncsc.gov.uk/collection/phishing-scams>

# Ngaahi Lea NCSC

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## > **Android**

Ko e sisitemi ngāue fe‘ave‘aki ‘a e Google, ‘a ia ‘oku ngāue ‘aki ‘e he kau fo‘u telefoni mo e tepileti lahi.

## > **App**

Ko ha polokalama, pe app, ‘a ia ko ha polokalama kakato ‘oku lava ke ‘inisitolo ‘e kinautolu ‘okú nau ngāue ‘akí pe ‘oku tomu‘a ‘inisitolo ‘i ha me‘angāue ke fakahoko ha fatongia makehe pe koniteini ki he ‘enau me‘angāué.

## > **Malu faka‘ilekitulōniká**

Ko hono malu‘i ‘o e ngaahi me‘angāue, sēvesi mo e ngaahi netiueka – mo e fakamatala ‘i aí – meí he a‘u ‘ikai fakamafaii, kaiha‘á pe maumaú.

## > **Me‘angāue**

Ko e naunau komipiuta ‘oku ‘i ai, ‘a ia ‘oku ngāue tu‘unga ‘i he komipiutá, ‘o hangē ko e sino‘i komipiutá, telefoní pe tepiletí.

## > **iOS**

Ko e sisitemi ngāue fe‘ave‘aki ‘a e Apple ‘a ia ‘oku ngāue ‘aki ‘i hono hoa ngaahi me‘angāue to‘oto‘ó.

## > **Melouea**

Ma‘u meí he ‘polokama koví‘, ko e melouea ko ha fa‘ahinga ‘o e polokalamá ‘a ia te ne lava ke maumau‘i ‘a e ngaahi sistemi komipiutá, netiueká pe ngaahi me‘angāué. Kau ai ‘a e ngaahi vailasí, lenisomueuá mo e trojans.

## > **Sisitemi ngāue**

Ko e polokalama tefito ‘oku lele ‘i he ngaahi komipiutá, tepiletí mo e telefoní, ‘a ia ‘oku fie ma‘u ke ne fakalele ha ngaahi polokalama mo e naunau kehe.

## > **Phishing**

Ngaahi ‘īmeili kovi pe ngaahi tohi ‘a ia ‘oku ‘i ai ha ngaahi fehokotaki‘anga fakakomipiuta ki he ngaahi uepisaití ‘a ia ‘e ala ‘i ai ha melouea, pe ‘e lava ke ne kākaa‘i ‘a kinautolu ‘okú nau ngāue ‘akí kenau fakahā ha fakamatala pelepelengesi (hangē ko e ngaahi lea fakapulipulí) pe ko hono fe‘ave‘aki ha pa‘anga.

> **Spyware**

Ko ha fa‘ahinga ‘o e melouea ‘a ia ‘okú ne ‘inisitolo ‘e ia ke ngāue ‘aki ‘i ha me‘angāue ‘o ‘ikai ha fakangofua ‘a e taha ‘okú ne ngāue ‘akí, ‘o ne tānaki fakamatala mo ‘ave ia ki ha fa‘ahi hono tolu.

> **Mītia Sōsialé**

Ngaahi uepisaiti mo e apps, hangē ko e Facebook, X mo e Instagram, ‘a ia ‘okú ne faka‘atā ke vahevahe faka‘ilekitulōnika ‘e he kakaí mo tali ki he ngaahi koniteni ‘oku fa‘u ‘e he taha ‘okú ne ngāue ‘akí (ngaahi tohi, tā mo e vitiō).

> **Telefoni**

Ngaahi telefoni to‘oto‘o fakamuimui taha ‘a ia ‘okú ne fakahoko ‘a e fatongia faingata‘a ‘o kau ai ‘a e ngaahi telefoní ‘oku ‘i ai honau ngaahi sistemi ngāue Android mo e iOS.

> **Trojan**

Ko ha fa‘ahinga ‘o e melouea, ‘oku fakapuli ko ha polokalama mo‘oni, ‘a ia ‘oku ngāue ‘aki ke ma‘u ‘a e a‘u ‘ikai fakamafai‘i ki ha me‘angāue ‘a ha taha mamahi.

> **URL**

Uniform Resource Locator. Ko ha tu‘asila ‘i he uepi fakamāmānilahí ‘o hangē ko ha hingoa tōmeini (hangē ko e [www.bbc.co.uk](http://www.bbc.co.uk)).

> **Vailasi**

Ko ha fa‘ahinga ‘o e melouea kuo fa‘u ke ne uesia ‘a e ngaahi polokalama komipiuta fakalaó pea toe fo‘u ia ‘i he toenga ‘o e ngaahi netiueká ‘i he taimi ‘oku fakamo‘ui ai ‘a e ngaahi polokalama ko iá.

## Laukonga makehe

### Fakahinohino meí he Australian Cyber Security Centre

- › [Lipōti ha hia 'initaneti, me'a na'e hoko pe tu'unga](#)
- › [Founga ke malu'i 'aki ho'o ngaahi me'angāué](#)
- › [Malu'i ho'o telefoni to'oto'ó](#)
- › [Phishing](#)
- › [Kākā](#)
- › [Malu'i ho'o mītia sōsialé](#)
- › [Ngaahi fakahinohino founga malu ki he mītia sōsialé mo e apps fetohi'akí](#)

### Fakahinohino meí he UK NCSC mo e NPSA

- › [Taukapo'i 'o e Temokālatí](#)
- › [Mītia Sōsialé: founga ki hono ngāue 'aki 'oku malú](#)
- › [Fakahinohino ki he Malu 'a e Me'angāué ma'a e ngaahi kautahá kau ai 'a e telefoni to'oto'ó](#)
- › [Lipōti 'o e fakatu'utāmaki ki he ngaahi falekoloa polokalamá.](#)
- › [Malu fakatāutahá mo e malu'i 'o e kakai 'oku tu'u laveangofua 'aupitó](#)

### Fakahinohino meí he US NSA

- › [Ngaahi Founga Lelei Taha ki hono Ngāue 'Aki 'o e Telefoni To'oto'ó](#)

## Fakamatala Faka'ata'atā

Kātaki 'o fakatokanga'i 'oku tuku atu 'e he fale'i ko 'ení ha fakamatala 'a ia 'oku fakalao 'i he taimi na'e pulusi aí.

'Oku makatu'unga 'a e lipōti ko 'ení 'i he fakamatala kuo ma'u meí he kautaha fa'u fale'í mo e ngaahi ma'u'anga fakamatala ngāue'angá. Ko ha ngaahi ola mo ha fale'i kuo fakahoko na'e 'ikai tuku atu ia 'aki ha taumu'a ke faka'ehi'ehi meí he kotoa 'o e ngaahi faingamālie ke hoko ha fakatu'utāmaki pea ko e muimui ki he ngaahi fale'í 'e 'ikai ke to'o ai 'a e kotoa 'o e ngaahi faingamālie ko iá. Ko e ngaahi faingamālie ke hoko ha fakatu'utāmaki ki he taha 'o'ona 'o e fakamatalá 'oku 'i he taha 'o'ona pē ia 'o e sisitemi takitaha 'i he kotoa 'o e ngaahi taimí.

'I he UK, 'oku faka'atā 'a e fakamatala ko 'eni 'i he Lao ki he Tau'atāina ki he Fakamatalá (FOIA) 2000 pea 'e ala faka'atā 'i ha lao fakamatala kehe 'i UK. 'Ave ha ngaahi faka'eke'eke FOIA ki he [ncscinfoleg@ncsc.gov.uk](mailto:ncscinfoleg@ncsc.gov.uk).

Ko e kotoa 'o e ngaahi tohi ko e UK Crown 'Okú ne Ma'u 'a e Kotoa 'o e Totonu  
Fakalao Ki Ai ©

# Annex: Siofi ‘o e ngaahi semipolo MOONSHINE & BADBAZAAR

‘Oku lisi ‘i he tēpilé ‘a e ngaahi app ‘oku ngāue ‘aki ‘i he ngaahi kemipeini ‘i he MOONSHINE mo e BADBAZAAR ‘i he ta‘u ‘e ua kuo ‘osi.

Ko e lahi taha ‘o e ngaahi apps ko ‘ení ‘okú ne fakahā ha faitatau mahino ki he apps kuo fokotu‘u. ‘Oku ngalingali ko ha founga eni ‘a ha taha ngāue kovi na‘á ne taumu‘a ke ‘spoofo‘ ‘a e ngaahi kalasi ‘iloá.

**‘Oku mahu‘inga ke fakatokanga‘i, ko e hingoa ‘o e app, hingoa ‘o e polokalamá kakato, mo e ‘aikoni ‘e lava ke ne fakapulí pe tatau mo e polokalama mo‘oní pea ‘oku totonu ke ‘oua ‘e ngāue ‘aki ‘iate ia pē ke tala ‘aki pe kuo uesia ha me‘angāue.**

Hange ko hono fakakau ‘i he kongā ki he ngaahi founga fakasi‘isi‘i ‘o e uesiá, te ke lava ‘o seni ho‘o apps ‘i hono me‘angāue Android ki he Google ‘aki ho‘o fakamo‘ui ‘a e ‘Fakalelei ki hono fakatotolo‘i ‘o e app fakatu‘utāmaki‘, ‘a ia te ne sikení ‘a e apps ‘i ho‘o me‘angāue ‘a ia kuo ‘inistolo mei tu‘a ‘i he Play Store.

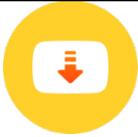
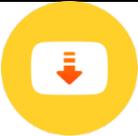
Hingoa ‘o e App	Hingoa ‘o e Package	‘Aikoni ‘o e App
99 Names of ALLAH	com.Apptriple.Namesofallah.Asmaulhusna	
APKPure	com.apkpure.aegon	
Adobe Acrobat	com.adobe.reader	
Alpine (پینتو)	psyberia.pa.full	
AlpineQuest Off-Road Explorer	psyberia.alpinequest.full	

AlpineQuest Off-Road Explorer	psyberia.alpinequest.full	
AlpineQuest Off-Road Explorer (Lite)	psyberia.alpinequest.free	
AppLock	com.alpha.applock	
Arabic Keyboard	com.arabic.keyboard.arabic.language.keyboard.app	
Audio Video Cutter	bsoft.com.mp3.cutter.ringtone.video.maker.trimmer	
Badam 维吾尔输入法	com.ziipin.softkeyboard	
Buddhist Songs (1)	com.bigkidsapps.buddhistsongs1	
Calculator	com.android2.calculator3	
Compass 360 Pro	com.pro.app.compass	
EN-UG Dictionary Free	ru.vddevelopment.ref.enugen.free	
Ewlad	ewlat.com.ewlatuyghur	

FAST	com.netflix.Speedtest	
FMWhatsApp	com.fmwhatsapp	
File Manager +	com.alphainventor.filemanager	
FlyGram	org.telegram.FlyGram	
Flygram	org.telegram.FlyGram	
Free WiFi Pass	com.cl.wifipassword.share	
GBWhatsApp	com.gbwhatsapp	
Hefz Quran	com.golap.hefzquran	
Hijri Calendar	com.ibrahim.hijricalendar	
InShot	com.camerasideas.instashot	
KMPlayer	com.kmplayer	

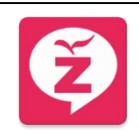
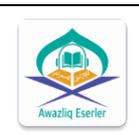
KineMaster	com.nexstreaming.app.kinemasterfree	
MP3 Cutter & Ringtone Maker	ringtone.maker.mp3.cutter.audio	
Malloc	com.mallocprivacy.antistalkerfree	
Maps Distance Calculator	com.routemap.mapdownload.gpsrouteplanner	
Media Recovery	com.aaa.media.recovery.androidapp	
Nur.cn	com.nur.reader	
Nur输入法	com.nur.ime	
OGWhatsApp	com.gbwhatsapp3	
PDF Extra	com.mobisystems.mobiscanner	
PDF Reader	pdf.pdfreader.pdfviewer.pdfeditor	
PDF Reader	com.gappstudios.autowifi3gdataswitch.san.basicpdfviewer	

Photo Editor	com.iudesk.android.photo.editor	
Photo Recovery	recover.restore.undelete.photo.video.file	
Photo Studio	com.kvadgroup.photostudio	
Plus	org.telegram.pluspro	
Prayer Book	com.arashpayan.prayerbook	
QuarkVPN	com.speedy.vpn	
Quran	com.tos.quranuighore	
QuranKerim	com.ewlat.qurankerim	
Restore Deleted Pics	com.restore.deleted.pictures.video	
Signal	org.thoughtcrime.securesms	
Signal Plus	org.thoughtcrime.securesmsplus	

SignalPlus	org.thoughtcrime.securesmsplus	
Singing Bowl Sounds HD	com.soundjabber.tibetansingingbowls.candletibet.bowlschakrasound	
Skype	com.skype.raider	
Snaptube	com.snaptube.premium	
Snaptube Plus	com.snaptube.gold	
SwiftKey Keyboard	com.touchtype.swiftkey	
Tarteel	com.mmmoussa.iqra	
Telegram	org.zhifeijihj.messenger	
Telegram	org.telegramfbo.messenger	
Telegram X	org.thunderdog.challegram	
Tibetan Divination System MO	net.rhombapp.mo	

Tibetan Prayer	com.chorig.tibetanprayer	
Translator AR-TR	free_translator.artr	
Truecaller	com.truecaller	
TubePlus	com.techshop.videocraft	
Ultrasurf	us.ultrasurf.mobile.ultrasurf	
Uyghur Keyboard	com.mykeyboard.myphotokeyboard.uyghurkeyboard	
Uyghurche Kirguzguch	com.ziipin.softkeyboard	
Video Converter	com.inverseai.video_converter	
Video Cutter	com.naing.cutter	
Video Downloader	downloader.video.download.free	
Video Maker	com.bstech.slideshow.videomaker	

Video Player for Android	com.zgz.supervideo	
Vieka	com.prime.story.android	
VivaVideo Lite	com.quvideo.vivavideo.lite	
VivaVideo PRO	com.quvideo.xiaoying.pro	
Vmuslim	com.alhiwar	
Voice Recorder	com.media.bestrecorder.audiorecorder	
Voxer	com.rebelvox.voxer	
Weather Forecast	com.graph.weather.forecast.channel	
WhatsApp	com.whatsapp	
WhatsApp	com.whatsapp	
WhatsApp	com.WhatsApp3Plus	

WhatsApp	com.whatsapp	
WhatsApp	com.WhatsApp2Plus	
Whoscall	gogolook.callgogolook2	
WiFi Password Master_v1.4	com.example.dat.a8andoserverx	
Windy	com.windyty.android	
Wise	com.transferwise.android	
YoWhatsApp	com.yowhatsapp	
YouTube Downloader	dentex.youtube.downloader	
Zom	im.zom.messenger	
iQuran Lite	com.guidedways.iQuran	
ئاۋازلىق ئەسەرلەر	com.ewlat.eserler	

ئاۋازلىق قۇرئان	com.c9.utilim	
ئىزچى	com.yelken.izchi	
ئىزدىگۈچى APK ئۇيغۇرچە	com.uygur.apkstore	
ئۇيغۇرچە قۇرئان	com.c9.uyghurquran	قۇرئان
القرآن الكريم	com.maher4web.quran	
زىكىرلەر	com.my.newproject5	
قۇرئان كەرىم	ru.omdevelopment.ref.quranuyghur.free	
كۆھنەقاپ لۇغىتى	com.kuhiqap.lughitim	
نۇر كىرگۈزگۈچ	com.nur.ime	
《心灵法门》念佛机	com.guanyincitta.chant	
汉藏英辞典	com.dacd.dictionary	

藏历基本数据	com.example.astronomicalcalendarapp	
阳光藏汉翻译	com.tibetan.translate	