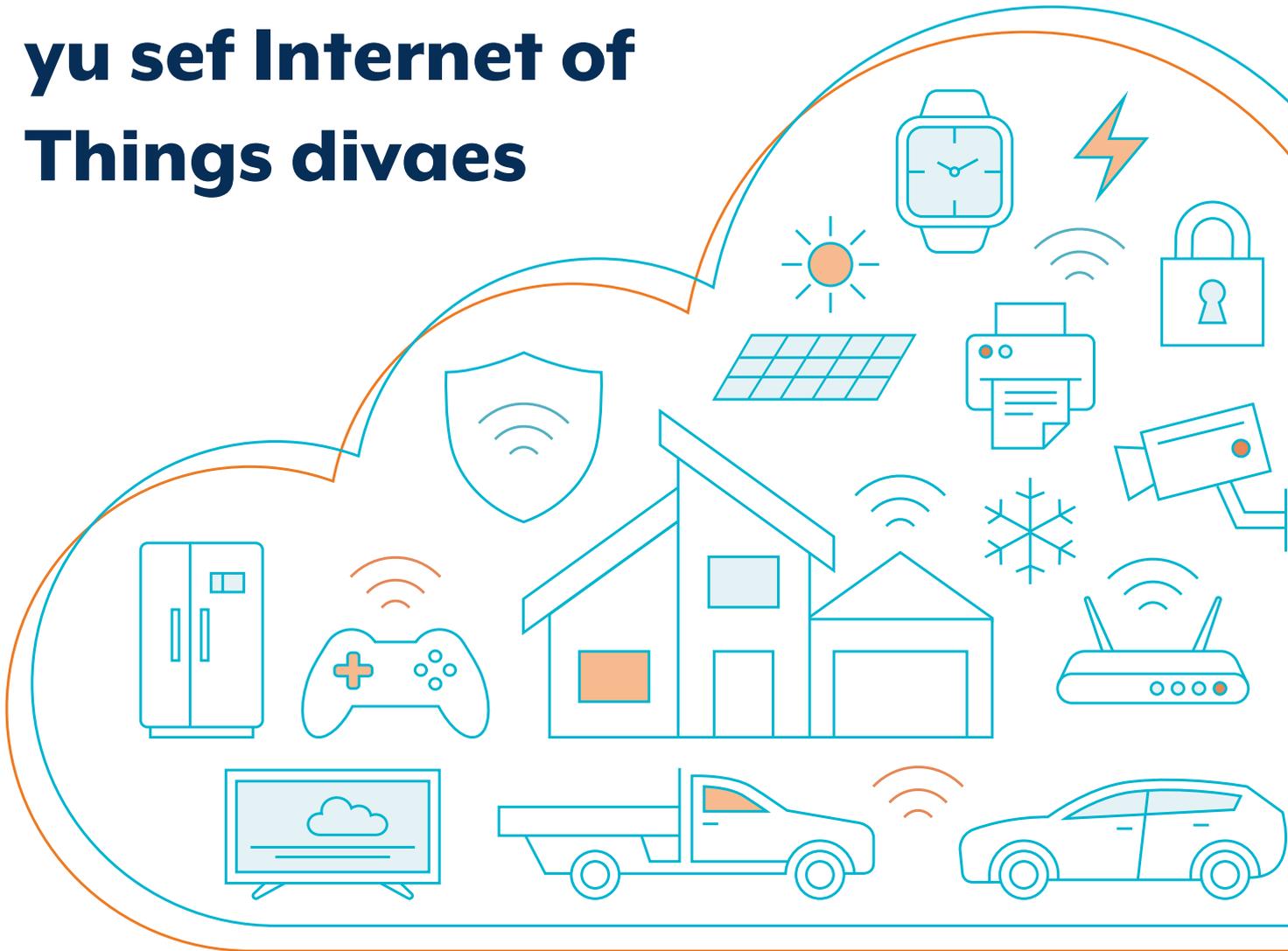




Wei blong kipim yu sef Internet of Things divaes



Australia Saeba Sekiuriti Senta i developem infomesen ia blong helpem komuniti blong pem mo yusum ol divaes blong Internet of Things (IoT) long sef wei. Wan divaes blong IoT hemi wan evridei samting we i gat koneksen blong intanet we oli ademap long hem. Sam exampol blong divaes blong IoT i gat, ol bebi monita, ol dron, ol sekiuriti kamera, ol smat televisen mo ol sola inveta. Ol divaes blong IoT we oli stap long ol haos mo bisnis oli stap yusum Wi-Fi o mobael fon netwok, olsem 4G o 5G, blong konek long intanet.



Plante long ol divaes blong IoT we oli faenem long ol haos mo ol bisnis long Australia oli no bin disaenem wetem tingting blong kat sekiuriti. From hemia, plante long ol divaes oli open blong kasem atak tru long intanet. Ol insiden olsem i save alawem ol saebakriminol blong save gat akses long ol divaes mo ol pesenol data blong yusum long wan nogud wei.

Bifo yu pem wan IoT divaes

Hemi impoten blong mekem risej blong save moa abaot ol divaes ia bifo yu pem, from plante ples oli provaedem ol difren kaen sekiuriti. Bifo yu pem wan divaes, komperem wetem wan semak divaes we wan difren ples i salem. Ol samting blong jekem:

- 1. Divaes ia oli mekem long wan kampani we man i save mo oli salem long wan stoa we evri man i save?** Ol kampani we plante man i save oli save mekem ol divaes wetem tingting blong gat sekiuriti long ol divaes ya. Ol stoa we oli save gud long olgeta, oli stap salem nomo ol divaes we oli mekem long ol kampani we plante man i save, mo oli gat ol strik saplae jen we i mekem sua se divaes blong yu i kasem yu stret.
- 2. I posibol blong mi jenisim paswod?** Emi gud evritaem blong jenisim paswod blong yu. Sapos, divaes ia oli sendem wetem wan wik paswod, hemia bae kam moa impoten. Wan divaes wetem wan gud sekiuriti i mas gat wan paswod we bae i had blong gesem, from ol wik paswod nao i isi blong wan divaes i save kasem atak.
- 3. Faktri i provaedem apdeit o no?** Hemi impoten se ol kampani oli ofarem apdeit blong fiksim divaes taem oli faenemaot ol ples we bae isi blong save kasem atak. Wan eksampol, sapos sofwea long divaes i gat ol ples we i wik o ol stilman oli developem ol niu wei blong spolem divaes blong yu, bae apdeit ia i save help blong provaedem ol fix ya.
- 4. Wanem data bae divaes i kolektem mo hu ya oli serem data wetem?** Ol infomesen abaot wanem data bae oli kolektem mo hao nao bae oli yusum i mas stap redi mo avelebol long websaet blong kampani ia o long praevesi polisi blong olgeta. Hemi impoten oltaem blong tingting hevi long ol infomesen we onlaen o aplikesen blong mobael i kasem.
- 5. Divaes ia i mekem nomo wanem yu wantem hem blong i mekem?** Pem wan divaes we i mekem moa samting bitim wanem yu nidim, we i minim blong konek go long intanet, bae i sotem sekiuriti blong yu. Ol pawa blong divaes we yu no yusum bae save mekem divaes blong yu i isi blong kasem ol atak, mo bae hemi no letem yu save.

IoT divaes

Kipim long maen sam kwestin taem yu stap setemap divaes blong yu, blong i save helpem yu kipim netwok mo data blong yu i sef.

- 1. Divaes ia i nidim blong oli konektem long intanet?** I no from se i save konek long intanet nao bae i mas konek. Ol divaes we oli no konek long intanet oli no save kasem plante atak. Sapos bae yu no yusum ol samting we i nidim blong konek long intanet, yu mas tingting hevi sapos i nidim blong i konek.
- 2. Divaes ia i stap long wan sef ples?** Sapos divaes ia i no nidim blong oli instolem long wan ples we i no sef, instolem lo wan sef ples we i save katemadaon risk blong atak.
- 3. Bae mi jenjem usanem mo paswod?** Hemi impoten se yu yusum wan strong paswod. Sapos divaes blong yu oli no sendem wetem wan strong paswod, yu mas jenjem paswod. Ol usanem mo ol paswod oli kolektem mo postem onlaen, mekem divaes blong yu hemi wik.
- 4. Wi-Fi netwok blong mi oli setemap long stret fasin, mo hem i gat wan paswod we i strong?** Kipim Wi-Fi netwok mo raota i sef blong mekem i had blong ol ataka oli aksesem divaes mo netwok blong yu.

Go moa longwe

Setemap wan moa netwok blong Wi-Fi long raota blong ol divaes blong IoT nomo. Long Wi-Fi raota blong yu bae yu luk 'guest' netwok. Sapos IoT divaes blong yu i no nidim komunikesen bitwin olgeta, onem 'client isolation' fija. Taem yu stap kipim IoT divaes blong yu aot long ol wik data i help stopem wan atak blong wan IoT divaes blong i no givim akses long nara divaes o data blong yu.

- 5. Ol divaes fija we yumi no nidim oli ofem?** Sapos divaes blong yu i gat ol fija we oli no yusum (olsem ol kamera, o ol maekrofon), hemia oli mas ofem.

Go moa longwe

Lukaotem configuration setting we i talem blong onem rimot akses long divaes web administresen intafes long lokol LAN o WAN/intanet. Mekemsua se oli setemap long local LAN, nomo sapos yu nidim blong aksesem tu.

Mentenem wan IoT divaes

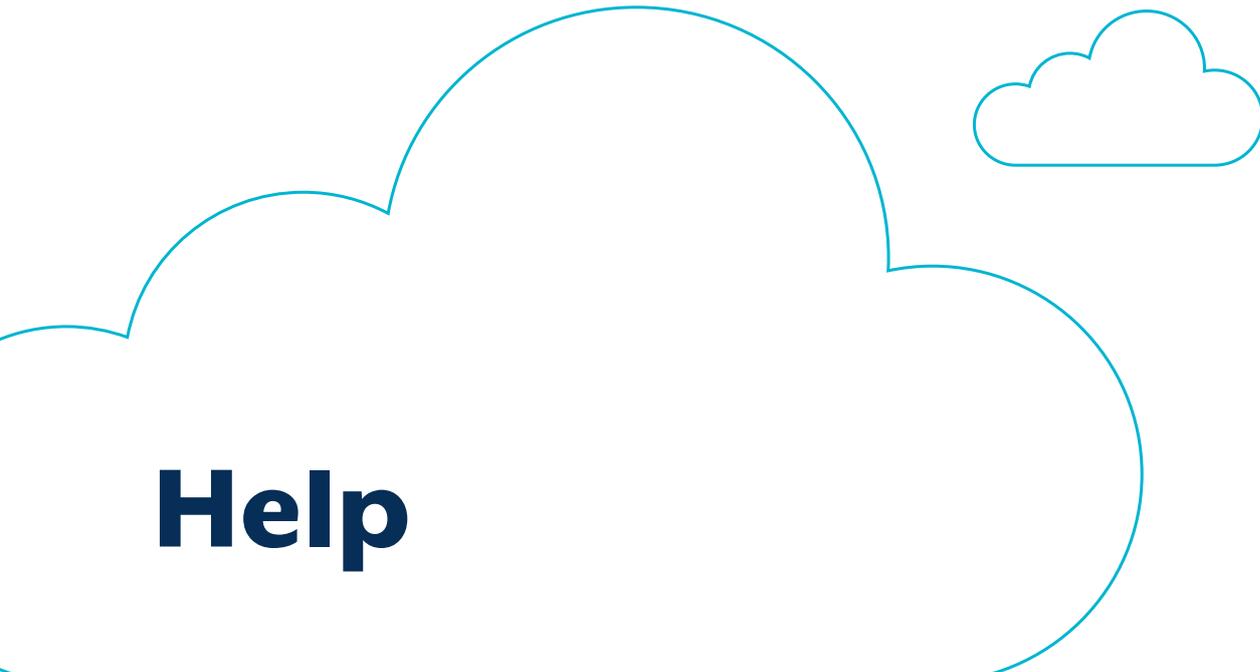
I gat sam impoten samting blong tingbaot taem IoT divaes blong yu oli setemap mo stap yusum Hemia i gat:

- 1. Ributum divaes blong yu evri taem.** I gat vaeres long divaes sapos divaes i stat blong wok slo o nomo save wok. Plante long malwea i stap long memori mo oli save karemaot isi taem yu ributum divaes, hemia taem yu ofem mo onem bak divaes. Sapos divaes i kontinu blo slo mo no save wok afta we oli ributum, traem wan faktori riset be lukaot hemia i save karemaot evri data blong yu mo ol pesenol seting blong yu.
- 2. Aplaem apdeit oltaem.** Sam divaes oli mekem apdeit otomatik. Blong olgeta we oli no gat, jek oltaem wetem faktori mo aplaem apdeit taem oli avelebol. Taem ol apdeit oli nomo avelebol blong divaes blong yu, tingting blong apgred long wan niu divaes ples we ol apdeit oli avelebol. Ol divaes we oli nogat akses long ol sekiuriti apdeit ia bae oli no sef sapos oli faenemaot se divaes blong yu i wik mo bae save kam wan risk long netwok, praevesi mo data blong yu.
- 3. Ofem divaes blong yu sapos yu no yusum.** Sapos yu lego eni divaes we yu no stap lukluk long hem i konek lo Wi-Fi netwok long wan longfala taem, hemia i alawem ol ataka blong spolem divaes blong yu. Wan wei blong kasem hemia hariap hemi blong yusum wan paa aotlet taema we i givim paa long divaes blong sam haa nomo.
- 4. Lukaot long wan bigfala inkris long bil blong intanet yusej blong yu blong wan manis.** Sapos intanet bil i go antap o bil i jaj moa i soem se divaes blong yu i bin kasem atak. Nomo sapos wan long IT dipatment bae investigetem insaed long bisnis o faktori riset oli mas aplaem (be lukaot hemia bae save karemaot evri data blong ol yusa mo pesenol seting), folem wan niu paswod.

Dispos blong wan IoT divaes

Dispos blong wan divaes (sapos yu sakem o salem) bae i save mekem nara man blong aksesem ol pesenol infomesen o data blong yu. Wei blong stopem i gat:

- 1. Karemaot evri data mo pesenol infomesen.** Faktori i mas provaedem wan rod blong hao blong karemaot ol data mo pesenol infomesen long tugeta divaes mo nara aplikesen we i stap wetem. Taem yu karemaot ol pesenol infomesen blong yu mekem sua se nogat wan i kasem akses long hem afta we yu sakem divaes ia. Dilitim onlaen akaon blong yu sapos yu nomo nidim blong yusum IoT divaes wetem.
- 2. Mekem wan faktori riset blong divaes.** Wan faktori riset oli mekem blong karemaot ol data we i stap long storej mo i risetem ol paswod, yusanem mo i jenjem seting gobak long nomol wan. Jekem yusa manual o jekem websaet blong faktori blong moa infomesen long hao blong mekem wan faktori riset.
- 3. Karemaot koneksen long ol nara mobael fon mo ol nara divaes.** Taem yu sakem wan divaes we i gat akses long nara divaes, netwok o onlaen akaon i mekem posibol blong ol nara wan oli gat akses. Mekemsua yu jekem ol nara divaes blong yu mo karemaot eni pearing wetem divaes ya we yu stap sakem. Karemaot eni raet we oli givim long ol mobael aplikesen we yu nomo nidim.
- 4. Karemaot eni media (e.k. USB flas draev, memori kad ekt.) we i joen wetem divaes.** Karemaot eni media we i gat ol pesenol data we oli no dilitim long faktori riset mo oli sud karemaot, spolem mo sakemaot long ol nara divaes.



Help

Kondaktem Australia Signols Daarektoret Australia Saeba Sekiuriti Senta long imel asd.assist@defence.gov.au o kolem 24/7 Hotlaen blong kasem help kwiktaem long **1300 CYBER1 (1300 292 371)**.

Ripotem saebakraem long ReportCyber long www.cyber.gov.au/report

Kondaktem IDCARE long websaet blong olgeta www.idcare.org sapos wan i stiim ol pesonol infomesen blong yu.

Visitim www.cyber.gov.au blong kasem advaes blong yuwan mo famli. Saenap blong kasem fri ACSC Alert Service long risen onlaen atak.

Yumi mekem Australia wan sef ples blong konek onlaen.

Blong kasem saeba sekiuriti advaes, visitim www.cyber.gov.au

Disklema

Tul insaed long gaed ia hem i jenerol mo man i no mas tekem olsem likol advaes o dipen long hem blong helpem hem long eni taem o imejensi situesen. Long eni impoten mata, yu mas lukaotem stret independen profesenol advaes long saed blong ol situesen blong yuwan.

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**Blong kasem moa infomesen, o blong ripotem wan saeba sekiuriti insiden,
kondaktem mifala:**

cyber.gov.au | 1300 CYBER1 (1300 292 371)

Namba ia hem i avelebol blong yu yusum insaed long Ostrelia nomo.

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