

**Small,
but fierce
(but still small)**

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Define: smol



SPACE &
SCIENCE
FESTIVAL



KAWAIIIGIRL

Define: smol

Perpetually Small

Family businesses

Community groups

Side hustles and projects

Single/Few Contractors

Define: smol

We need them! (duh)

Promotes local economies

Develops our people

That feel good and happy factor

Top incident categories

The **top three incident categories** for 2018 were also the highest in 2017.



Phishing and
credential harvesting **1,550**



Scams and fraud **1,136**



Unauthorised access **303**

Source: CERT NZ, <https://www.cert.govt.nz/assets/Uploads/Quarterly-report/2018-summary/7b521ee0d1/certnz-2018-summary-report.pdf>

> From the 37 reports about malware, CERT NZ says **common malware variants** included Emotet, Gozi, Zeus, ramnit, spinx, kronos and gootkit.

> **Common ransomware variants** reported in Q3 were: Dharma, Everbe, Nemesis and Hermes.

Source: Biz Edge, <https://bizedge.co.nz/story/cert-nz-highlights-rise-of-unauthorised-access-incidents>

Unauthorised Access

Leads to more phishing, cred harvesting, and scams
Caused by weak creds or insecure infrastructure access

Malware

Known variants are re-used or self-propagate
No anti-malware and no backups

In Other Words

More Resources

Host protection to protect against known malware

Anti-malware deployed across devices owned

Can hire security people

SMB & Enterprise “Advantage”

No Resources

Only have resources for business purpose
Relies on volunteers or hardworking owners
Are not always tech folk

Small Disadvantage

Fallacies

Too small to be attacked

Too small to be noticed or found

Security is too expensive

Small Disadvantage

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Small Disadvantage

Just add time

Security when small

1. Knowledge of accounts and tech used
2. Unique passwords stored in safes
3. MFA on high-risk accounts and remote access
4. Backups stored off network
5. Automatic patching

Security when Small

Asset List



	Accounts	Technology & Systems
Social Media	<input type="checkbox"/> Twitter <input type="checkbox"/> Facebook <input type="checkbox"/> Instagram <input type="checkbox"/> _____	
Website	<input type="checkbox"/> Manage your own website content (like SquareSpace, Wix, Wordpress) <input type="checkbox"/> _____	<input type="checkbox"/> Manage your own web server (like cPanel) <input type="checkbox"/> _____
Storage	<input type="checkbox"/> Dropbox <input type="checkbox"/> Google Drive <input type="checkbox"/> OneDrive <input type="checkbox"/> _____	<input type="checkbox"/> Local laptops and devices <input type="checkbox"/> External harddrives or USBs <input type="checkbox"/> Local office network <input type="checkbox"/> _____
Day-to-day Accounts		
Email	<input type="checkbox"/> Gmail <input type="checkbox"/> Outlook <input type="checkbox"/> ProtonMail <input type="checkbox"/> _____	<input type="checkbox"/> Mobile devices logged into email <input type="checkbox"/> _____
Communications	<input type="checkbox"/> Slack <input type="checkbox"/> Discord <input type="checkbox"/> WhatsApp <input type="checkbox"/> _____	<input type="checkbox"/> Mobile devices logged into communication accounts <input type="checkbox"/> Group messaging apps <input type="checkbox"/> _____
Money-related	<input type="checkbox"/> Online banking <input type="checkbox"/> Shopify <input type="checkbox"/> TradeMe <input type="checkbox"/> Paypal <input type="checkbox"/> Square <input type="checkbox"/> Stripe <input type="checkbox"/> Patreon <input type="checkbox"/> Ko-fi <input type="checkbox"/> Buy me a coffee <input type="checkbox"/> PledgeMe <input type="checkbox"/> GoFundMe <input type="checkbox"/> Xero <input type="checkbox"/> _____ <input type="checkbox"/> _____	
Other stuff	<input type="checkbox"/> Document management (like DocuSign) <input type="checkbox"/> Customer/client communications (like MailChimp, SurveyMonkey) <input type="checkbox"/> Password managers (like LastPass, OnePassword) <input type="checkbox"/> Creative software (like Adobe Creative Cloud) <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> Cloud infrastructure (like AWS, Google Cloud, Azure) <input type="checkbox"/> _____ <input type="checkbox"/> _____

Source: SafeStack, <https://www.safestack.io/resources-events>

Sharing is caring

Security when small guides

<https://www.safestack.io/blog/tag/security+when+small>

CERT NZ guides

<https://www.cert.govt.nz/>



Cheers!

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#securitywhensmall