



**Die leier in skoolbeheer en -bestuur**

The leader in school governance and management





# FEDSAS

Sentrum vir | Centre for

# TEGNOLOGIE TECHNOLOGY



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**RESOLUTE ROBOTICS**

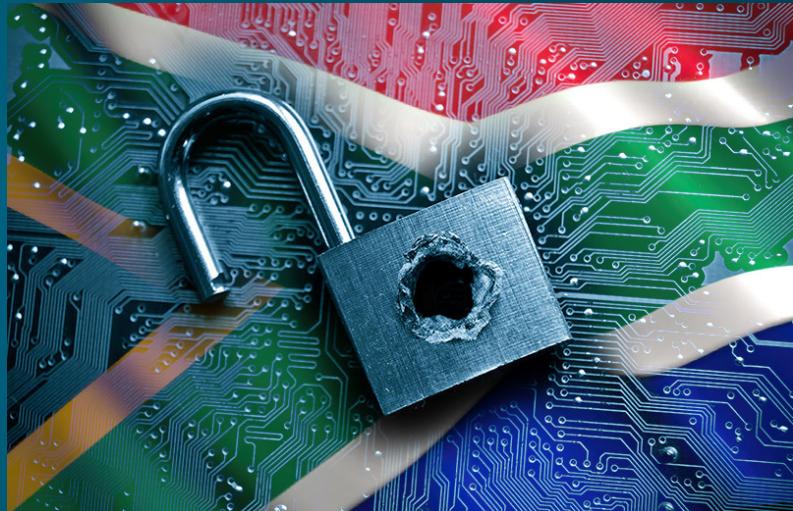


# Ransomware aanval by jou skool - Hoe nou gemaak?



# Agenda

- Wat is ransomware?
- Hoekom doen mense dit?
- Waar lê die waarde?
- Waar lê die blootstelling?
- Is skole enigsins teikens?
- Wat doen ons proaktief?
- Wat doen ons reaktief?



# Ons leef in ‘n digitale wêreld



⌚ 20 Jul

## South Africans spend the most time on screens

In terms of the breakdown of time spent on screens, the report found that South Africans

spend:

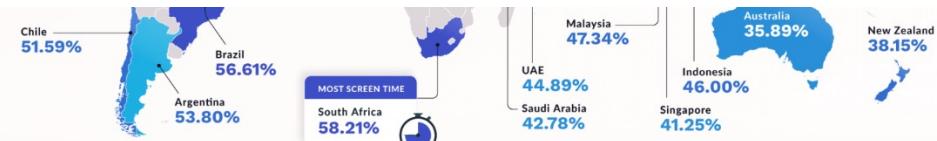
- A total of nine hours 38 minutes daily on their screens on average;
- Five hours 13 minutes on their phones;
- Four hours 25 minutes on computer screens;
- Three hours 44 minutes on social media; and
- One hour three minutes on gaming.

Methodology: We analyzed data from the Digital 2023: Global Overview Report by DataReportal and combined it with sleep patterns data from SleepCycle.com to calculate the % of awake hours each country (internet users aged 16-64) spends looking at screens for each category.

# The Average Screen Time

Are you a slave to your screen? According to our research, people spend an average of 6 hours and 37 minutes in front of screens. The question is, how does each country differ?

The country with the **highest average** screen time is **South Africa**, spending more than half the day on screens (58.21%). Surprisingly, even as one of the first countries to harness the power of technology and explore its benefits, according to News On Japan, **Japan** reportedly spends the **least** time scrolling (21.70%).



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*SA is an appealing testbed for cyberattacks internationally*, says Christopher MacRoberts, legal director at Clyde and Co. An **IT Web** report notes that this, he noted, was mainly driven by the country's 'fairly' sophisticated private sector, and strong banking, fintech and services sectors. An **IT Web** report notes that MacRoberts made the comments on day one of *ITWeb* Security Summit 2023, which took place last week in Sandton. He formed



*The regulator said it has received 1 021 data breach notifications to date.* An **IT Web** report notes the new figure is nearly double the 564 data breaches or security compromise notifications that advocate Pansy Tlakula, chairperson of the Information Regulator, indicated in February. At the time,

**SOUTH AFRICA**

# DBSA suffers ransomware attack

The DBSA believes employees' personal information may have been accessed or acquired by unauthorised people

12 June 2023 - 19:12



# Inleiding / Opsomming

- Ransomware is 'n tipe kwaadwillige sagteware wat kuberkrakers (hackers) gebruik om data te enkripteer, waardeur dit ontoeganklik word totdat 'n losprys betaal word.



# Inleiding / Opsomming

- Die doel van hierdie aanbieding is om skole bewus te maak van die gevvaar van Ransomware en stappe voor te stel wat hulle kan neem om hulself te beskerm.



# Inleiding / Opsomming

- 'n Toenemende aantal skole is in die afgelope jare teiken, wat aansienlike ontwrigting van onderwysdienste veroorsaak.



# SASW Art 20 – SBL

**20. Functions of all governing bodies.—(1) Subject to this Act, the governing body of a public school must—**

*(g) administer and control the school's property, and buildings and grounds occupied by the school, including school hostels, but the exercise of this power must not in any manner interfere with or otherwise hamper the implementation of a decision made by the Member of the Executive Council or Head of Department in terms of any law or policy;*



# Wat is ransomware?



- Ongemagtigde toegang tot jou data
- Diefstal van jou data / inligting
- Dreigement van diefstal
- Voorgee van diefstal
- Dwing betaling af – losprys vir data

# Hoekom doen mense dit?

- Soos die kinders sê – “want hulle kan”
- Soos ek sê – ons laat hulle toe
- Sagte teikens
- Liefde vir geld (wortel van alle kwaad)
- Mag
- Vrees

# Waar lê die waarde?

- Data is goud – datafikasie van die wêreld
- Persoonlike inligting / Identiteits-diefstal
- Sensitiewe inligting
  - Bankrekening nommers
  - Alles verwant aan ‘n kind
- Operasionele stilstand
- Herhaling van werk – koste om weer te doen



# Waar lê die blootstelling?

- E-pos
- Netwerk
- “Stokkies”
- Vriendelike vuur – eie personeel
  - Webblaarie
  - Kliek sonder om te lees\*
  - Swak ingesteldheid – “ek is “dom” oor die goed”
- Fisiese toegang
- Diefstal van toerusting



# Is skole teikens?

- Het jou skool fisiese sekuriteit?
  - Heining
  - Hek
  - Slotte
  - Alarm
- Skole is sagte teikens – dink soms minder van die waarde van hulle data as kuberkrakers (hackers)
- Statistiek dui aan dat skole teikens is – van ons lede is al aangeval



# Wat doen ons proaktief?

- Erken die gevvaar
- Opleiding

Opleiding

Bewustheid

Beleid

Praktyk



# Wat doen ons proaktief?

- Broosheid toetse – vulnerability testing
- Besef die waarde van jou data en POPIA
- Skep kontrole omgewing
- Kundigheid



# Wat doen ons proaktief?

- HIB – SBL portefeuilje
- Spesialis op span
- Gereelde interne opleiding – bewusmaking
- Hekke, slotte, alarm – FIREWALL
- Sagteware wat beskerm
- Rugsteun



# Wat doen ons reaktief?

- Bly kalm
- Polisie
- Versekering
- Rugsteun herstel
- Kontak ons



# Dankie

