

SECURING PERSONAL INFO

THE BASICS

22 SEP
2022

Project: **INCIDENTS**
Client: **UNIVERSITY OF CAPE TOWN**
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POPIA BASICS

(WHAT IS POPIA ABOUT?)

WHAT IS PERSONAL INFORMATION?

- Identifiers
- Demographic information
- Contact details
- Financial information
- Background or historical information

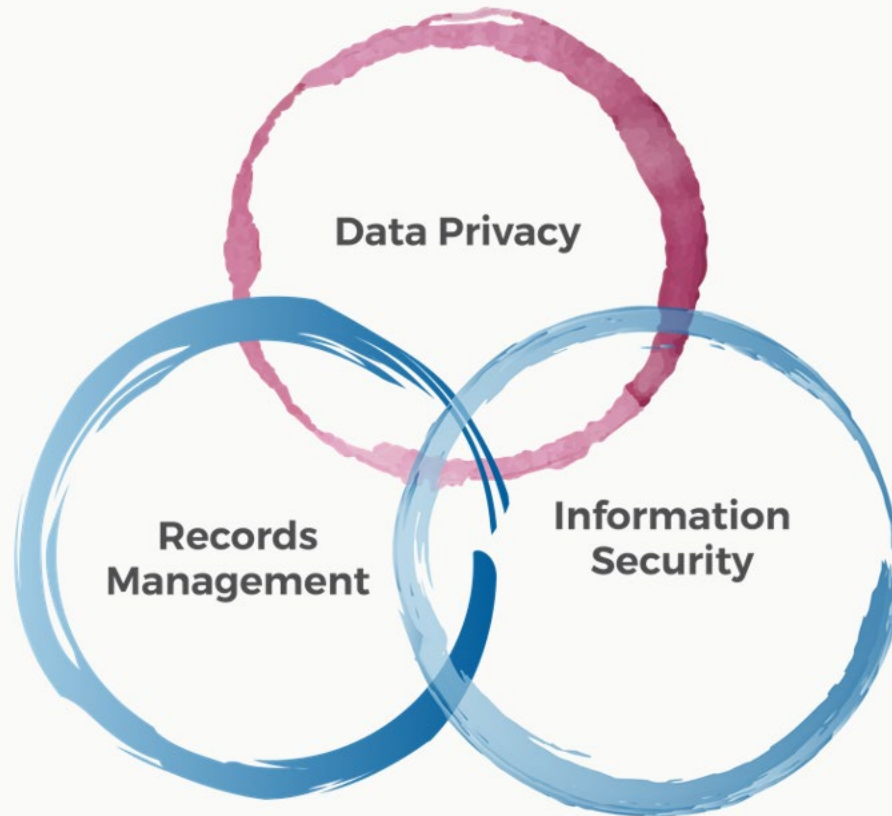
Information relating to an identifiable, living, natural person or an existing organisation.

- Usernames and social media handles
- Biometric information
- Health information
- Preferences and opinions
- Behavioural information
- Correspondence

MEET YOUR DATA SUBJECTS

- **Students:** Prospective students, student applicants, students (South African or international), exchange students and alumni
- **Employees and functionaries:** Academic and administrative staff, employment candidates, external members of committees, student employees (e.g., research assistants, tutors), the SRC and council members
- **Research:** Researchers and research participants
- **Affiliated organisations:** Donors, funders, 'subsidiaries' (e.g., units and centers, companies in which the University is a shareholder), partners (e.g., exchange programmes), service providers, suppliers, independent contractors
- **Other individuals:** Family members of students and employees, sureties, emergency contacts visitors and members of the public

THREE POLICIES OLD AND NEW



AT A GLANCE: THE CIA TRIAD

- **Confidentiality:** Access should be granted on a 'need to know' basis. Also known as 'roles-based' access.
- **Integrity:** Ensure that information isn't tampered with. Changes to information should be controlled.
- **Availability:** Ensure that the services of the company are available through Business Continuity Management.

AN IMPORTANT EMAIL ADDRESS



uctcsirt@uct.ac.za

HOW DID THIS HAPPEN?

(COMMON CAUSES OF INCIDENTS.)

WHAT COULD GO WRONG?

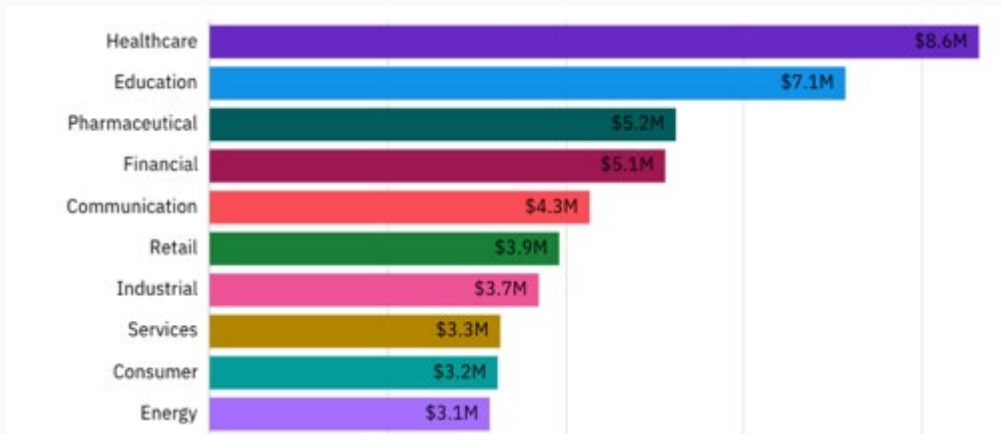
- **Stolen or weak credentials:** Keep those passwords strong, and keep them secret
- **Application vulnerabilities:** Don't ignore those updates! The crooks know about them.
- **Malware:** Be careful what you click on! It could deliver a keylogger or ransomware.
- **Malicious insiders:** Revenge or financial gain are powerful motivators
- **Information leaks or loss:** It is not always malicious. Good old human error often rears its head. Ever emailed the wrong person or the wrong document?

DON'T THINK THAT IT WON'T HAPPEN TO US

“There are only two types of companies – those that know they’ve been compromised, and those that don’t know. If you have anything that may be valuable to a competitor, you will be targeted, and almost certainly compromised.”

- Dimitri Alperovitch, CTO CrowdStrike

THE COST OF A DATA BREACH



There are four horsemen of the apocalypse:

- Detection and escalation
- Post data breach response
- Notification
- Lost business

AN IMPORTANT EMAIL ADDRESS



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WHAT ARE YOUR RESPONSIBILITIES?

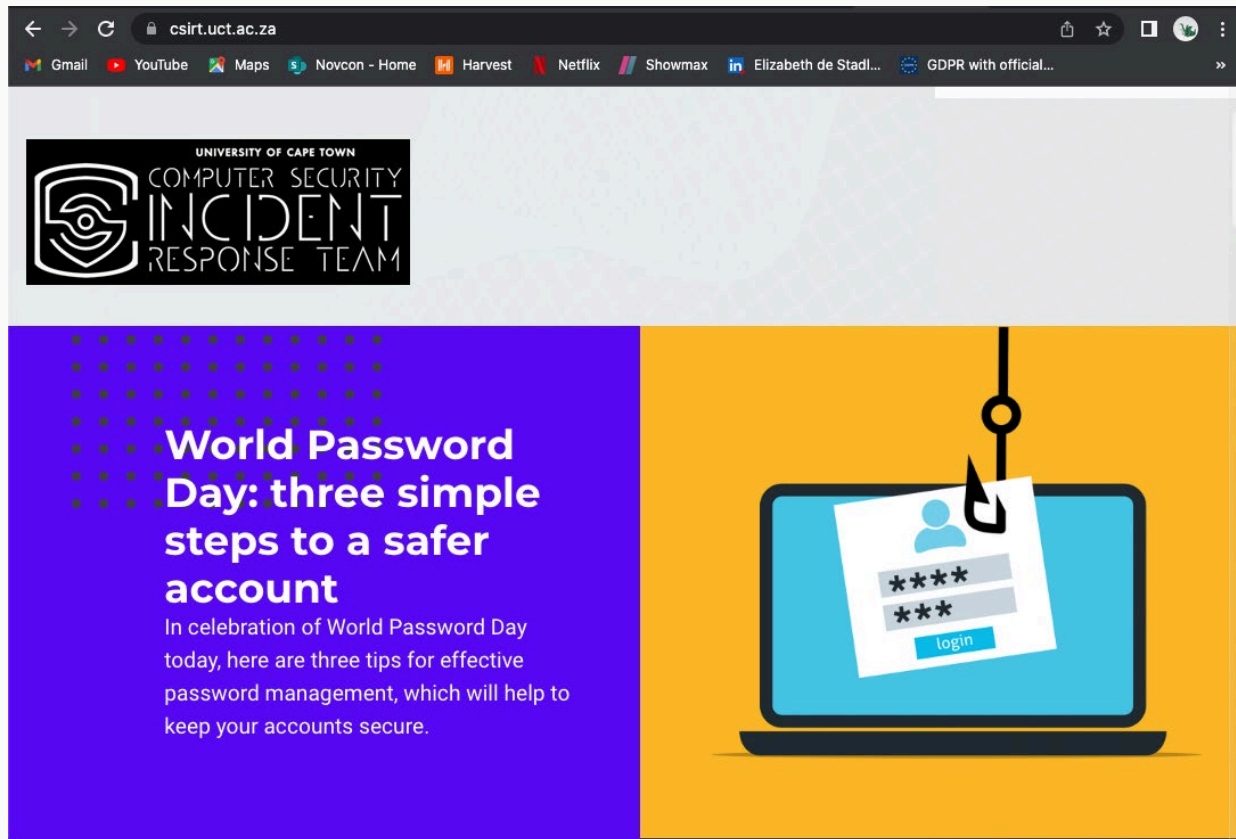
(YES, WE ARE ALL RESPONSIBLE.)

**NO, THIS IS NOT
IT'S RESPONSIBILITY!**

WHAT CAN YOU DO?

- **Passwords**: It is time for some housekeeping!
- **Updates**: Are all your devices up to date?
- **Take care**: Learn to be cautious when you are handling personal information. Always ask 'what if this was mine?'
- **Clicking on things**: Always be suspicious of links and things. If it feels off, it probably is
- **Educate yourself**: There is a lot of awesome information..

DROPPING SOME KNOWLEDGE!



The screenshot shows a web browser window with the address bar displaying `csirt.uct.ac.za`. The browser's tab bar includes links to Gmail, YouTube, Maps, Novcon - Home, Harvest, Netflix, Showmax, Elizabeth de Stadl..., and GDPR with official... The main content area features the University of Cape Town Computer Security Incident Response Team logo at the top. Below the logo, the page is split into two sections. The left section has a purple background with a grid of dots and contains the text: **World Password Day: three simple steps to a safer account**, followed by a paragraph: "In celebration of World Password Day today, here are three tips for effective password management, which will help to keep your accounts secure." The right section has an orange background and features an illustration of a laptop with a login form on its screen. The login form includes a user icon, two password fields (each with four asterisks), and a "login" button. A magnifying glass icon is positioned over the login form.

csirt.uct.ac.za

Gmail YouTube Maps Novcon - Home Harvest Netflix Showmax Elizabeth de Stadl... GDPR with official...

UNIVERSITY OF CAPE TOWN
COMPUTER SECURITY
INCIDENT
RESPONSE TEAM

World Password Day: three simple steps to a safer account

In celebration of World Password Day today, here are three tips for effective password management, which will help to keep your accounts secure.

login

**WHEN THINGS
GO WRONG?**

(BECAUSE IT IS GOING TO HAPPEN.)

WHAT COULD GO WRONG?

- **Employee error:** Congrats, we are the weakest link
- **Cyber attack:** Exploits (e.g. brute-force password attacks) & malware
- **Social engineering:** Tricking users (e.g. phishing)
- **Unauthorised access:** Seeing things you shouldn't
- **Ransomware:** Kidnapping your files
- **Malicious insiders:** Revenge or financial gain are powerful motivators
- **Physical theft:** Going old-school
- **Information leaks or loss:** It is not always malicious

DON'T THINK THAT IT WON'T HAPPEN TO US

“ If there is an incident or breach real or suspected, it should be reported to the UCT CSIRT (uctcsirt@uct.ac.za). The incident will be assessed triaged and handled according to our incident handling procedures. ”

- Your privacy notices

ONCE MORE



uctcsirt@uct.ac.za

THANK YOU!

elizabeth@novcon.co.za

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