

The Public Sector Data Security Review Committee is also carrying out in-depth in-depth inspections of the IT systems of key government government agencies, including the Central Provident Fund Board. ST FILE PHOTO

Review panel identifies poor data-access practices

It also flags insufficient 3rd-party data-handling Als of data-safety training els of els o policies and varying levels of data-safety training

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Public sector agencies have insuffi-

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BEEFING UP SYSTEM CRUCIAL

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There is a need to strengthen our data security regime for the future. This is in view of the increasing complexity of our systems, the greater demand for the use of data to provide convenient digital services to the public and the need to use data for better policymaking.

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SMART NATION AND DIGITAL GOVERNMENT OFFICE STATEMENT

Safeguarding personal data

13 new security measures will be rolled out across the entire public service to better protect citizens' personal data following a series of high-profile breaches over the past year. Here are some of them, according to the stage of a data lifecycle.

STORAGE Tokenisation 0

Reducing the risk of data being misused by replacing its identifiers with a different value known only to the agency. Would have minimised the impact of the SingHealth and HIV database leaks.



h Masking Hiding the true value of the data by masking out portions of value, so that even if a hacker gets hold of the data, he cannot understand it.

Partitioning Breaking a dataset into small sets by segmenting out sensitive entities to reduce the likelihood of highly sensitive data being compromised.

DISTRIBUTION

Password protection Strengthening password and encryption requirements across more types of data files, to prevent unauthorised distribution.

Digital watermarking Add marking information to identify the originator of the dataset, which allows leaks to be traced to the source and aid investigation. Data



Volume-limited and time-limited data access



(IAM) tools' Having tools that automatically manage officers' identity and access rights, ensuring that only those authorised can get to the data. Can get to the data. Dormant user accounts would have been deactivated to prevent abuse.

Sources: PUBLIC SECTOR DATA SECURITY REVIEW COMMITTEE, SMART NATION AND DIGITAL GOVERNMENT OFFICE

Measures will limit scope of damage done by data breaches: Experts

The 13 technical measures recommended by the Public Sector Data Security Review Committee would have lessened the potential damage of recent data breaches, sold experts. Yesterday, a committee tasked with improving data management in the public sector unveiled the measures to better protect citizens' sensitive per-sonal information, developed after a government-wide stock-take of practices and in-depth inspec-tions of povernment agencies.

orde stock-take of practices and in-depth inspec-tions of government agencies. Because of the measures recommended by the Pub-lie Sector Data Security Review Committee is to have in place tokenisation or encryption, the act of the placing ited measures with something that only the relevant agency would know. Such encryption would limit the scope of damage that can be done by hackers who access and steal data, experts told The Straits Times. For instance, a breach reported by a Health Sci-ences Authority vendor in March involving the personal information of more than 800,000 blood donors could have been very damaging. In the wrong hands, personal data could be used to com-nic identify france.

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