



Cloud Security Companion Guide

For Cyber Essentials

Key shifts and cybersecurity challenges

when organisations move to the cloud



Shared Responsibility Model (SRM)

subscriptions ("SaaS sprawl")

(Potential "shadow IT")

Changes

- · Cloud users and providers now take on joint responsibility
- · Many standalone, potentially silo-ed subscriptions to manage
- Different business units directly manage their own SaaS

Cybersecurity challenges

- · Cloud users misunderstand that cloud providers take care of everything
- · Difficult to scale the management of large number of SaaS subscriptions
- comply with organisation's cybersecurity processes Business users unaware

Subscriptions may not

SaaS - Software-as-a-service

of cloud security best practices

Evolving tactics of attackers

to target cloud environment



in cloud exploitation



increase in attacks targeting cloud environment

Source: CrowdStrike report



- Cloud credentials and identities targeted
- Lateral movement across cloud environment
- Cloud misconfiguration abuse

Key security concerns





64% sensitive data



access



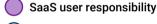
configuration and security settings

Lack of visibility into cloud services

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Source: Cloud Security Alliance report

SRM for Cyber Essentials For SaaS users



Cloud provider responsibility

	0101 0010 1010	•
Responsibili	sponsibility of SaaS user	
SaaS provider		

ty of cloud provider









Data within SaaS

Ensure data in the cloud is online



Virus/malware protection Access control

configuration

Secure



· User settings in SaaS

application(s)

Protection of SaaS

host infrastructure

Host infrastructure

configuration

· Protection of

Cloud infrastructure

provider



Software updates



logging

Management of

Ability to enable logging

Update of SaaS

application(s)

Application-level

configuration

Update of host

infrastructure



Back up essential data



 Backup of organisation's Backup of SaaS essential data application(s) within SaaS

· Backup of host infrastructure



Incident response



Notes

- Scope of SRM for companion guide focuses on responsibilities of end-user organisations subscribed to SaaS organisations shall also refer to the SRM published by their respective cloud providers.
- · Beyond the SaaS subscriptions, end-user organisations shall continue to be responsible for the cybersecurity of their respective local environment.
- Whilst the SRM has not outlined the respective responsibilities of the cloud providers, they are expected to implement their respective cybersecurity measures and provide assurance of their own cybersecurity posture to their cloud customers this is also mentioned in the companion guide.

Get started with implementing cloud security







