

A comparison of security controls 2019



	iOS 11.2	iOS 12.1.3	Android 6	Samsung Knox 2.6	Android 7	Google Pixel (Android 7)	Samsung Knox 2.9	Android 8	Google Pixel 2 (Android 8)	Android 9	Google Pixel 3 (Android 9)	Samsung Knox 3.2	Chrome OS	Windows 10 (1709)	Windows 10 in S mode (1803)	Microsoft Surface Pro
What was Compared?	OS	OS	OS	Platform	OS	Device	Platform	OS	Device	OS	Device	Platform	OS	OS	OS	Device
Built-in Security																
Access Control by Default	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
Authentication Security	3	3	2	2	2	2	2	2	2	3	3	3	2	2	2	2
Device Encryption on by Default	3	3	2	3	2	3	3	2	3	3	3	3	3	2	3	3
File-Level Encryption	3	3	1	1	3	3	3	3	3	3	3	3	3	3	3	3
App Isolation	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2
OS Updates	3	3	1	2	2	3	2	2	3	2	3	2	3	3	3	3
Security Updates	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3
App Updates	1	1	3	3	3	3	3	3	3	3	3	3	3	2	3	2
App Privileges	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	1
Runtime App Permissions	3	3	2	2	2	2	3	3	3	3	3	3	3	2	3	2
Platform Integrity Protection	2	3	2	3	2	2	3	3	3	3	3	3	3	3	3	3
Root of Trust	3	3	1	3	2	3	3	3	3	3	3	3	3	3	3	3
Exploit Mitigation	2	3	2	3	2	2	3	2	2	3	3	3	3	3	3	3
Network Security	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3
Network Encryption	2	2	1	1	2	2	2	2	2	2	2	2	2	1	2	1
Built-in Anti-Malware	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Secure Browsing	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Corporate-Managed Security																
Authentication Methods	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Authentication Policy Management	2	2	2	3	2	2	3	3	3	3	3	3	3	3	3	3
Encryption Management	3	3	2	3	3	3	3	3	3	3	3	3	3	2	2	2
Device/Corporate Wipe	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Workplace Isolation	2	2	2	3	2	2	3	3	3	3	3	3	3	3	3	3
Secure Key Store	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Jailbreak/Root Protection	2	3	2	3	2	2	3	3	3	3	3	3	3	NA	3	NA
App Vetting	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Enterprise App Store	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
App Monitoring and Control	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Secure Remote Access	2	2	2	3	2	2	3	2	2	2	2	3	2	3	3	3
Policy Management	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Remote Health Attestation	1	1	1	3	2	2	3	3	3	3	3	3	3	3	3	3

Source: Gartner 2019 via YouTube

1 = Weak 2 = Average 3 = Strong

Recreated for educational purposes