

A Comparison of Security Controls for Mobile Devices

	IOS 9	IOS 10	IOS 11	Android 4	Android 5	Android 6	Samsung Knox 2.6	Android 7	Google Pixel (Android 7)	Android 8	Google Pixel 2 (Android 8)	Samsung Knox 2.9	Windows 10	Microsoft Surface Pro
Built-In Security														
Access Control by Default	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Biometrics	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Encryption on by Default	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
File-Level Encryption	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
App Isolation	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
OS Updates	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Security Updates	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
App Updates	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
App Privileges	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Runtime App Permissions	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Kernel Integrity Protection	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Root of Trust	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Exploit Protection	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Network Security	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Network Encryption	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Secure Browsing	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Corporate-Managed Security														
Authentication Methods	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Authentication Mgmt.	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Encryption Management	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Device/Corp. Wipe	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Workspace Isolation	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Secure Key Store	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Jailbreak/Root Protection	Average	Average	Average	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	N/A	N/A
App Vetting	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
App Monitoring & Control	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Secure Remote Access	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Policy Management	Strong	Strong	Strong	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Remote Health Attestation	Average	Average	Average	Average	Average	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong

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