Now your business can benefit from advanced security without the added cost or complication

Always delivering so much more than customers expect

While the introduction and ongoing evolution of various technology platforms is successfully enabling employees to work from literally anywhere across multiple devices, it also comes with increased risk around the safety of both user and corporate data.

It is here that Apple continues to lead the way by building advanced security features into its products from the ground up, making them secure by design. Building on the experience of creating one of the world's most advanced mobile operating systems, Apple has created security architectures that address the unique requirements of mobile, watch, desktop, and home.

And because many of these key security features are built in, users and IT departments don't need to perform extensive configurations. So what does this mean for your business?

Here's a simple overview of how your business can benefit from Apple's seamless integration of hardware, software, and services, as well as the added peace of mind, ongoing savings, and great user experience this comprehensive approach to security and keeping personal information safe delivers.

Benefit from a seamless user experience backed by advanced security features

Software and services security

While software protections work to keep the operating system and third-party apps protected, services provide a mechanism for secure and timely software updates, power a protected app ecosystem, and facilitate secure communications and payments.

As a result, Apple devices protect not only the device and its data but the entire ecosystem, including everything users do locally, on networks and with key Internet services.

Additional security features
Additional out-of-the-box security features built into the Mac operating system and hardware help prevent and dramatically reduce the damage from common cyber-attacks.

Services security

Apple has built a robust set of services to help users get even more utility and productivity out of their devices. These services include Apple ID, iCloud, Sign in with Apple, Apple Pay, iMessage, FaceTime, Siri, and Find My.

These services provide powerful capabilities for Cloud storage and sync, authentication, payment, messaging, communications, and more, all while protecting users' privacy and the security of their data.

Operating system security

Building on the sophisticated capabilities of Apple hardware, the system security component is designed to maximise the security of the operating systems on Apple devices without compromising usability.

- **Secure boot**
  This security feature begins in the hardware and works by building a chain of trust through each software layer, where each step ensures that the next is functioning properly before handing over control. It supports not only the default boot of Apple devices, but also the various modes for recovery and updating iOS, iPadOS, and macOS devices.

- **The software update mechanism**
  Not only provides timely updates to Apple devices, but also delivers only trusted software from Apple.

- **Boot and runtime protections**
  Ensure software maintains its integrity and is not compromised or corrupted in any way during ongoing operation.

- **App security**
  Although apps provide amazing productivity benefits for users, they also have the potential to negatively impact system security, stability, and user data if they're not managed properly.

That's why Apple provides layers of protection to ensure that apps are free of known malware and haven't been tampered with. Additional protections enforce the access of any user data from apps and carefully mediate that process.

- **Built-in security controls provide a stable, secure platform for apps,** enabling thousands of developers to deliver hundreds of thousands of apps for iOS, iPadOS, and macOS – all without impacting system integrity. And users can access these apps on their Apple devices with controls in place to help protect against viruses, malware, or unauthorised attacks.

- **All apps are obtained from the App Store and are sandboxed**
  To provide the tightest controls. Sandboxing helps protect user data from unauthorised access by apps.

Hardware security and biometrics

To perform optimally, secure software needs to be able to run off a foundation of security built into the hardware. That's why Apple devices have security capabilities designed into silicon. The hardware that forms the foundation for security on Apple devices, includes Apple's ground breaking silicon chip comprising the Secure Enclave, cryptographic engines, Face and Touch ID, all of which, thanks to seamless design and build, combine to form the Apple systems on a chip (SoCs).

- **The secure enclave**
  Enables the Face and Touch ID security features in Apple devices. This allows users to quickly authenticate while still allowing the added security of longer and more complex passwords.

Encryption and data protection

Apple devices have encryption features to safeguard user data and enable remote wipe in the case of device theft or loss. Encryption or File Vault secures digital data by encoding it mathematically so that it can only be read, or decrypted, with the correct key or password.

All of these security features benefit both users and IT administrators, protecting personal and corporate information at all times, and providing methods for instant and complete remote wipe (Find My) in the case of device theft or loss.

- **The secure boot chain, system security, and app security capabilities**
  All help to ensure that only trusted code and apps run on a device.

- **Additional encryption features safeguard user data**
  Even when other parts of the security infrastructure have been compromised. For example, if a device is lost or is running untrusted code.
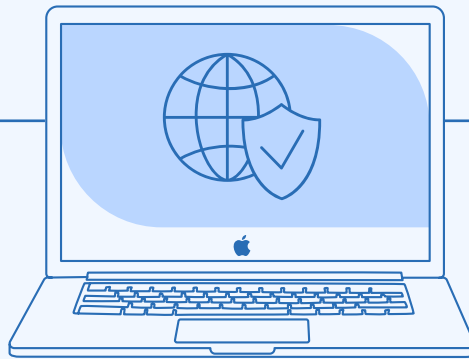
From helping you choose the right technology or setting up the infrastructure to training and transitioning to the Apple ecosystem, we support our clients every step of the way. For access to a knowledgeable, hands-on team of IT experts so invested in your business that you'll think our people are your people, contact *b2b@digicape.co.za*

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