

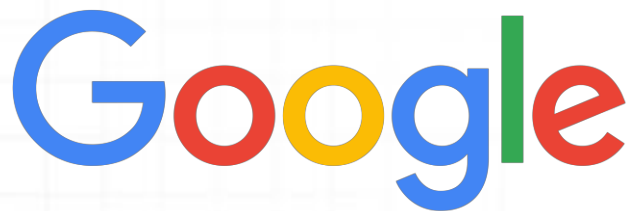
Desarrollo Seguro iOS

Bootcamp de desarrollo Mobile

OWASP/MASTG



¿Quién apoya este proyecto?



Diseccionando una app

- Pentesting
- Análisis estático
- Análisis dinámico
- Ingeniería inversa
- Tampering



Secciones

- Almacenamiento de datos y privacidad (MASVS-STORAGE)
- Criptografía (MASVS-CRYPTO)
- Autenticación y autorizaciones (MASVS-AUTH)
- Comunicaciones por red (MASVS-NETWORK)
- Interacción con la plataforma mobile (MASVS-PLATFORM)
- Calidad del código y mitigación de vulnerabilidades (MASVS-CODE)
- Obstaculización de la manipulación del código e ingeniería inversa (MASVS-RESILIENCE)





Mobile Application Security Checklist



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MASVS-CRYPTO: Cryptography

OWASP MASTG v1.6.0-04f3310 (commit: 04f3310) OWASP MASVS v2.0.0 (commit: f2e668b)

MASVS-ID	Platform	Description	L1	L2	R	Status
MASVS-CRYPTO-1		The app employs current strong cryptography and uses it according to industry best practices.				
	ios	Verifying the Configuration of Cryptographic Standard Algorithms				
	ios	Testing Random Number Generation				
MASVS-CRYPTO-2		The app performs key management according to industry best practices.				
	ios	Testing Key Management				



Mobile Application Security Checklist



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MASVS-NETWORK: Network Communication

OWASP MASTG v1.6.0-04f3310 (commit: 04f3310) OWASP MASVS v2.0.0 (commit: f2e668b)

MASVS-ID	Platform	Description	L1	L2	R	Status
MASVS-NETWORK-1		The app secures all network traffic according to the current best practices.				
	ios	Testing Endpoint Identity Verification				
	ios	Testing the TLS Settings				
	ios	Testing Data Encryption on the Network				
MASVS-NETWORK-2		The app performs identity pinning for all remote endpoints under the developer's control.				
	ios	Testing Custom Certificate Stores and Certificate Pinning				



Mobile Application Security Checklist



app coding

MASVS-RESILIENCE: Resilience Against Reverse Engineering and Tampering

OWASP MASVS v1.6.0-0493310 (commit: 0493310) OWASP MASVS v2.0.0 (commit: f2e668b)

MASVS-ID	Platform	Description	L1	L2	R	Status
MASVS-RESILIENCE-1		The app validates the integrity of the platform.				
	ios	Testing Emulator Detection				
	ios	Testing Jailbreak Detection				
MASVS-RESILIENCE-2		The app implements anti-tampering mechanisms.				
	ios	Making Sure that the App Is Properly Signed				
MASVS-RESILIENCE-3		The app implements anti-static analysis mechanisms.				
	ios	Testing Obfuscation				
	ios	Testing for Debugging Code and Verbose Error Logging				
MASVS-RESILIENCE-4		The app implements anti-dynamic analysis techniques.				
	ios	Testing Reverse Engineering Tools Detection				
	ios	Testing whether the App is Debuggable				

