

GlobalSign Root CA Certificate Support

2048 BIT ROOT CERTIFICATE WITH STRONG SGC ENCRYPTION

In today's interconnected world, your online solutions need to interact seamlessly with customers connecting to your web server, reading your emails, running your code or trusting your electronic documents. The GlobalSign Root Certificate is present in every popular machine, device, application and platform that utilizes the trust of Public Key Infrastructure (PKI) e.g. SSL/TLS, S/MIME, Code Signing and Document Signing.

THE STRONGEST ROOT CERTIFICATE AVAILABLE TODAY

In 1998, GlobalSign had the foresight to create a strong Root Certificate by using 2048 bit RSA keys. This makes GlobalSign the only Certification Authority to have a widely embedded Root Certificate that meets the NIST (National Institute of Standards & Technology) recommendation that from 2011 onwards all cryptographic keys should be 2048 bit in strength.

Anything less than 2048 bit will most likely be deemed insecure, which has prompted the CA/Browser Forum to insist that all Extended Validation SSL certificates are to be 2048 bit from the 1st January 2009 in anticipation.

GlobalSign can offer 2048 bit strength across our entire Digital Certificate portfolio.

GlobalSign is also one of the few Certification Authorities that can offer SGC (Server Gated Cryptography). This enables SSL Certificates to "force" web servers to create a strong 128 bit encrypted connection with older, weak 40 bit encryption browsers. To customers, the added strength of a 2048 bit root and the inclusion of SGC strong encryption is transparent – and to you, you are safe in the knowledge that the strongest encryption available is always being used to secure your communications.

SUPPORTED APPLICATIONS, OPERATING SYSTEMS & PLATFORMS

Extended Validation Browsers

- Microsoft Internet Explorer 7+ (Vista)
- Microsoft Internet Explorer 7+ (Windows XP)*
- Opera 9.5+
- Firefox 3+
- Google Chrome
- Apple Safari 3.2

Web Browsers (SSL/TLS enabled)

- Microsoft Internet Explorer (IE) 5.01+
- Mozilla Firefox 1.0+
- Opera 6.1+
- Apple Safari 1.0+
- Google Chrome
- AOL 5+
- Netscape Communicator 4.51+
- Red Hat Linux Conqueror (KDE)
- Microsoft WebTV
- Camino

Email Clients (S/MIME)

- Microsoft Outlook 99+
- Microsoft Entourage (OS/X)
- Mozilla Thunderbird 1.0+
- Qualcomm Eudora 6.2+
- Lotus Notes (6+)
- Netscape Communicator 4.51+
- Mulberry Mail
- Apple Mail

Mobile OSs, Micro Browsers, Handsets & Game Consoles

- Apple iPhone, iPod Safari
- Microsoft Windows Mobile 5/6
- Microsoft Internet Explorer Pocket PC 2003
- Microsoft Internet Explorer Smartphone 2003
- RIM Blackberry 4.3.0
- Brew
- PalmOS 5.x
- Netfront 3.0+
- Opera 4.10+
- Openwave mobile browser 6.20+
- Major Network Operators inc. Vodafone, Orange, AT&T
- Major Handset providers SonyEricsson, Nokia, Alcatel & Palm (S40/S60/S80/OSSO) based Handsets from 2002
- Sony PlayStation Portable
- Sony PlayStation 3
- Nintendo Wii

Application Suites

- Microsoft Authenticode & Visual Basic for Applications (VBA)
- Adobe AIR
- Sun Java SE (1.4.2 Update 16+, 5.0 Update 13+, 6 Update 3+)
- Mozilla Suite v0.9.8+
- SeaMonkey
- OpenSSL.org's OpenSSL v0.9.5+

Document Security Platforms

- Adobe Certified Document Services (CDS) for Adobe PDF
- Microsoft Office (Word, Excel, Powerpoint, Access, InfoPath)

GLOBALSIGN-READY ROOT EMBEDDING PROGRAM

Our GlobalSign-Ready worldwide root embedding program has been in operation for over 10 years. The result - the GlobalSign Root Certificate is the only Root of 2048 bit strength to be present in such a wide range of browsers, OSs, applications and mobile devices. It is this universal support that means your Digital Certificates are transparently trusted by each and every customer - however, wherever and whenever they connect to your services.

The GlobalSign Ready program is managed by all the International GlobalSign offices (US, UK, Continental Europe, Japan & China) where our worldwide presence enables the highest level of public trust, even niche new devices and applications – accelerating us years ahead of other Certification Authorities.



DEVICE MANUFACTURERS & SOFTWARE HOUSES

Contact embedded@globalsign.com to ensure your new applications and devices support GlobalSign Certificates. Program Membership is free and benefits include root inclusion and updates, security updates and implementation assistance.



* Users running Internet Explorer 7.0 on Windows XP are enabled through GlobalSign's AutoEV™ certificate upgrade technology that allows users running SP2 to unlock the green address bar capability for Extended Validation SSL

