

WoSign Proposal

at F2F Meeting in Ankara

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Email:



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Agenda

- Greeting: glad to be a member of CAB Forum
- Proposal one: Code Signing Portal
- Proposal two: Misuse Blacklist System
- Next F2F meeting Host intention

Greeting

- Greeting: glad to be a member of CAB Forum
 - * China has 32 licensed CAs, WoSign is the unique private-owned commercial CA, we will get China CA license in October (the 33rd).
 - * Internet users >0.59B(June,2013), Online shopping: 207B US\$ (2012). But SSL adaption is only 10% for eCommerce websites and only 5% for eGov webistes.
 - * WoSign like to be the gateway for world CAs to know China and China market. China market is **big**, but quit **different** from the West, so WoSign is your best partner in China, not competitor, since we know China market. We partnered with GeoTrust, Thawte, VeriSign, TC Trust Center, Comodo, Startcom, Keynectis in the past 10 years.
 - * WoSign like to anticipate the guideline making that considering the China environment(Law, rules, habit, language etc.).

Proposal one: Code Signing Portal

- Benefits:
 - (1) Private key protected from loss or theft
 - (2) Solve the lack-managed problem
 - (3) Solve the malware signing problem
 - (4) Reduce the signing cost for developers
- Demo System
 - (1) Case 1: upload a good file;
 - (2) Case 2: upload a malware;
 - (3) Case 3: upload a unknown file that need manual check

Proposal two: Misuse Blacklist System

- **Benefit:**

- (1) Centre Blacklist system shared for all CAs. The malware signer can't get code signing certificate from any CA once it is in the database.
- (2) The real blacklist, all CAs check the new applicant name in this database before issue code signing certificate.
- (3) Best solution for notification and exchange revocation information between all CAs
- (4) Support both online manual search and API for CAs.
- (5) Integrated Qihoo 360 Blacklist system to check if the applicant signed malware before.

- **Demo system**

- (1) Case 1: Report a malware signed code signing certificate that it is revoked;
- (2) Case 2: Report a malware signed code signing certificate that it is not revoked, system will request to revoke it first
- (3) Case 3: Search by developer name
- (4) Case4: Search an applicant name if it is in the Qihoo 360 Blacklist system.

* We **plan to** add function to let third party (e.g. AntiVirus, NGO or others) to report certificate misused centrally in one place, then the system will forward it to the issue CA. This is easy for misuse report (Currently, must go to each CA website to find the report page).

Next F2F meeting Host intention

- We like to host CAB Forum 2014 F2F meeting in China;
- The meeting city can be Capital Beijing, Shenzhen or Hong Kong; My suggestion is **Beijing** that have more famous place for tour like [the Great Wall](#), [the Palace Museum](#) etc. And We can invite high level government officer (Issue CA license) to make keynote speech in the meeting.
- WoSign will host all cost including hotel, meal, meeting room, local transportation and tours.
- And more ...?



Adapted from Microsoft World Atlas by RGO

Any questions?

Thank you!