

Interoperability of electronic signature creation applications

After the birth of the directive of the European Union on electronic signature, the legal and technological regulation has been started.

The interoperability matters of the server side have already been solved (PKI Challenge and Bridge-CA projects), but there are still problems on the client side. We can use the widely accepted S/MIME messages (MIME messages in CMS structure), but also XML signature was born at W3C and IETF standardisation organisation to keep conformity with the web-based environment. ETSI has made extensions to the XML schema; therefore, the XML electronic signature fulfils the requirements of the European Union.

The technological regulation is good enough to develop software, but there can still be interoperability problems between signature creation applications. Sometimes the problems can be easily solved but in other cases it is hard to find the reasons.

The presentation will be about the legal and technological regulation of electronic signature, the security aspects and importance of interoperability and the interoperability tests of signature creation applications.

Aron Szabo

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