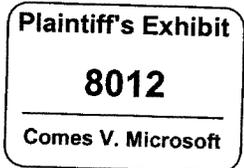
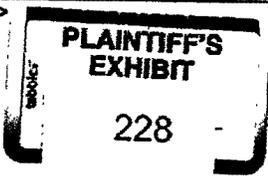


George Cox, 01:25 PM 10/24/97 -0700, just included it as text this time

Replied: Fri, 24 Oct 1997 14:29:33 -0700  
 Replied: George Cox <cox@mailbox.jf.intel.com>  
 Replied: Carmen\_Egido@ccm.jf.intel.com  
 Replied: Gerald\_Holzhammer@ccm.jf.intel.com  
 Replied: Craig\_Kinnie@ccm.jf.intel.com  
 Replied: Frank\_Gill@ccm2.hf.intel.com  
 Replied: Les\_Vadasz@ccm.sc.intel.com  
 Replied: Patrick\_P\_Gelsinger@ccm2.hf.intel.com  
 Replied: Michael\_Moradzadeh@ccm.sc.intel.com  
 Replied: andy\_grove@ccm.sc.intel.com  
 Replied: Ronald\_J\_Whittier@ccm.sc.intel.com  
 X-Sender: cox@ibeam.intel.com  
 X-Mailer: Windows Eudora Pro Version 3.0 (32)  
 Date: Fri, 24 Oct 1997 13:25:53 -0700  
 To: Carmen\_Egido@ccm.jf.intel.com, Gerald\_Holzhammer@ccm.jf.intel.com,  
 Craig\_Kinnie@ccm.jf.intel.com, Frank\_Gill@ccm2.hf.intel.com,  
 Les\_Vadasz@ccm.sc.intel.com, Patrick\_P\_Gelsinger@ccm2.hf.intel.com,  
 Michael\_Moradzadeh@ccm.sc.intel.com, andy\_grove@ccm.sc.intel.com,  
 Ronald\_J\_Whittier@ccm.sc.intel.com  
 From: George Cox <cox@mailbox.jf.intel.com>  
 Subject: just included it as text this time  
 X-MIME-Autoconverted: from quoted-printable to 8bit by ideal.jf.intel.com id NAA02270

>Date: Fri, 24 Oct 1997 10:41:03 -0700  
 >To: Russell\_Barck@ccm.sc.intel.com  
 >From: George Cox <cox@ibeam.intel.com>  
 >Subject: just included it as text this time  
 >  
 >Topic: Security Infrastructure Interactions With Microsoft - A History  
 >  
 >Intent of Engagement:  
 >In early 1995, as one outcome of an internal task force on Electronic  
 Commerce, Intel decided that the lack of a widely deployed, comprehensive  
 security infrastructure was a potential "rock in the road" for IA  
 platforms. We initiated an internal program to define requirements and an  
 architecture for such an infrastructure (called the Common Data Security  
 Architecture - CDSA).  
 >  
 >Initial Intel Position/Direction:  
 >Find ways to collaborate on leading the industry to develop and deploy an  
 open, cross platform, interoperable, standard security infrastructure.  
 >  
 >Initial Microsoft Position/Direction:  
 >Lead the industry to use Microsoft's Cryptographic API - CAPI 1.0 and  
 later CAPI 2.0 (and later Microsoft's Internet Security Framework).  
 >  
 >Chronology of Events:



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- > July, 1995: S. McGeady gave a presentation ("Microsoft Briefing on Intel's Security Work") soliciting comment and collaboration.
- > September/October, 1995: Held a couple of face-to-face and telephone meetings with technical presentations from both companies. Intel (G. Cox) suggested that we collaborate and that we use the previously successful WinSock model for standards collaboration and form a Windows Security (WinSec) Forum to lead the industry. Anxious but positive response from Microsoft.
- > November, 1995: Intel organized and held the first WinSec Forum meeting in the Bay Area (16 companies attended). Microsoft attended (represented by Tom Johnston and Alan Cooper). Microsoft was verbally supportive of the effort. The main outcome of the meeting was agreement to hold a second meeting (which was supposed to have been hosted by Microsoft), develop a WinSec Forum agreement, and announce the WinSec Forum at the '96 RSA Conference.
- > January 1996: Days before the '96 RSA Conference, we were informed that Microsoft management had decided that the WinSock model for standards collaboration was no longer acceptable to them. We were forced to cancel the second WinSec Forum meeting, dissolve the WinSec Forum, and pull the Forum announcement at the '96 RSA Conference. In any case, Intel introduced CDSA at the conference.
- > February/April 1996: Resumed private Microsoft/Intel negotiations on how to develop and deploy an open, cross platform, interoperable, standard security infrastructure. We had gotten all the way to agreement on a detailed LOI. Days before intended public announcement of a joint plan to lead the industry, Microsoft abruptly terminated the relationship. Finding no mutually satisfactory approach on how to take a joint infrastructure public, we both disengaged.
- > August/September 1996: The Intel CDSA technical team was invited to a pre-review of Microsoft CAPI 2.0 and other elements of Microsoft's Internet Security Framework, and also attended the later public review.
- > January 1997: Last significant discussion between T. Johnston and G. Cox occurred at the '97 RSA Conference (shortly thereafter Tom took a new job). All through this process, while we had disagreements on goals, T. Johnston was an excellent representative of Microsoft's interests.
- > Subsequent interactions have been limited to chance meetings (e.g., conferences, W3C meetings) where topics of joint interest have been discussed
- >
- >Final Intel Position/Direction:
  - > Proceed with developing CDSA specifications and reference implementation.
  - > Proceed with getting export/import relief for CDSA
  - > Proceed with motivating the industry to adopt and develop products around CDSA.
  - > Proceed with getting CDSA standardized.
  - > Embrace and extend existing services (e.g., BSAFE, PKCS#11, Microsoft's CAPI 2.0) by building adaptation layers from CDSA to them.
  - >
- >Final Microsoft Position/Direction:

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- > Proceed with developing and deploying Microsoft's Internet Security Framework.
- >
- >
- >