



CLIENT NAME: INTEL

Intel is a multinational technology company headquartered in Santa Clara, California. It is one of the world's largest and highest valued semiconductor chip makers and is the inventor of the x86 series of microprocessors, the processors found in most personal computers. Intel supplies processors for computer system manufacturers such as Apple Inc., Lenovo, HP and Dell. Intel also manufactures motherboard chipsets, network interface controllers and integrated circuits, flash memory, graphics chips, embedded processors and other devices related to communications and computing.

CHALLENGES:

After seeing another major technology company effected by hackers, Intel realized that they desperately needed to secure their own internal system to prevent any potential loss of vital internal information. Another major concern was that they didn't want this new secured solution to slow down their operations response times in any significant manner.

SOLUTIONS:

Akvarr presented Intel's Board of Directors with five different options regarding these challenges and gave them the pros and cons of both implementing and not implementing these options. Upon selection of the best option, we helped Intel by securing and encrypting their entire SAP system, as well as Non-SAP systems, and ensured that all communications between them were secure, as well as ensuring that there was no delay in sending information between systems. Akvarr used SAP Crypto Library to encrypt communication within the SAP system, and Open SSL to encrypt communications between SAP and non-SAP systems. We also performed quality assurance tests through Wire Shark to ensure security, and through Load Runner to ensure response times were not noticeably longer.

RESULTS:

After completion of this project, Intel's entire SAP and non-SAP systems were secured, as well as communication between the two. Also, the data transaction response time within the SAP system and in the communication between SAP systems and non-Sap systems, was so minuscule that it was unnoticeable to end users.