FUTURE-PROOFING ENCRYPTION FOR EMAIL DATA AT REST

Introduction

There's lots of talk today about quantum computers having the power to break today's encryption. While that could take a while in reality to achieve, you still want to choose systems that have future-proof data protection built-in.

At the same time, there's talk of having the vendors of otherwise unbreakable encryption used in today's devices and systems offer ways for law enforcement to get around that encryption. There's talk of laws requiring backdoors or other methods of breaking open the encryption under court order.

Problem

You may know what level of encryption you want and need or you may only know that typical solutions won't easily be able to offer you a choice. Common email solutions may or may not offer encryption for data at rest, never mind give you control over what forms of cryptography are used.

Solution

Ecrypt One has a pluggable cryptography subsystem that gives you control of the encryption that's used for data storage. You can use the built-in encryption that comes with the operating system, use a hard-ware based encryption device or provide your own cryptographic implementation. Bravatek provides solutions services that can develop a solution for you. Alternatively, a Software Development Kit (SDK) is offered allowing you to provide your own custom solution.

For those interested in keeping ahead of advancements in the area of quantum computers breaking cryptographic algorithms, two or even three different algorithms could be employed, keeping you covered in case one of the leading algorithms is 'cracked'.

For those organizations with specific cryptographic requirements or policy regarding backdoors or law enforcement access, solutions can be developed by Bravatek or in-house using the SDK. Similarly, organizations that may have access to non-public cryptographic algorithms can take advantage of them: those can be plugged into Ecrypt One by your development organization without any secrets being divulged.

Related Information

You can find out more about Ecrypt One at www.ecryptone.com

About Bravatek Solutions

Bravatek Solutions is a high technology security solutions portfolio provider that assists corporate entities, governments and individuals protect their organizations against both physical and cyber-attacks through its offering of the most technically-advanced, cost-effective and reliable software, tools and systems.

www.bravatek.com