



Data protection is mandated by HIPAA rules and regulations.

SERVER ENCRYPTION

WHAT IS ENCRYPTION

*I am typing this to show you it is readable –
because it is not encrypted.*

Here is the same sentence encrypted:

bUdqEXkWOpWhDgLaKjNvB2RjwtDJHiatkNiMy
w0HfQ==

WHO HAS THE ENCRYPTION KEY

The KEY (password) is the code that locks or unlocks the data from encryption. If you do not know the key after you have encrypted your data, you will never be able to access your data again. The lesson here is to make sure you have the key somewhere.

TYPES OF ENCRYPTION

- ✘ Hardware Encryption is perhaps the fastest method you can use but is not as readily available as software encryption.
- ✘ Software Encryption, although slower, is currently more popular and much less expensive.

HOW DOES IT WORK?

With either the software or hardware method, the most common protocol the “pre-boot” process to ask you for the encryption key (password) before the server boots. Once the server boots, workstations and remote users can access the data.

Remember: The encryption key is not stored ANYWHERE. You must make sure you save it in a safe location and only authorized employees should have access to it.

SAFE AND SECURE! PROS AND CONS?

If the server is stolen it will obviously be disconnected from power. The thief will not know the (encryption) password when they turn it on and therefore will not be able to access or read anything that's on it.

An unattended server that may re-boot will require re-entry of the (encryption) password. This may present a challenge for some offices but there is a way to accommodate this requirement at an additional expense.

IT'S NOT JUST ABOUT THE SERVER...

If you are like many of the other medical offices out there, you and your staff may be storing ePHI on individual workstations.

This should be avoided unless you plan on encrypting the workstations and backing them up individually.

WE ARE HERE TO HELP

- ✘ This information is being provided to educate you about encryption. If you would like to move forward and encrypt your server(s) and computer(s), please contact us and we can help guide you.
- ✘ E-mail: hardware@icssoftware.net
- ✘ Phone: 516-766-2129