### Segurança da Informação

#### Competências:

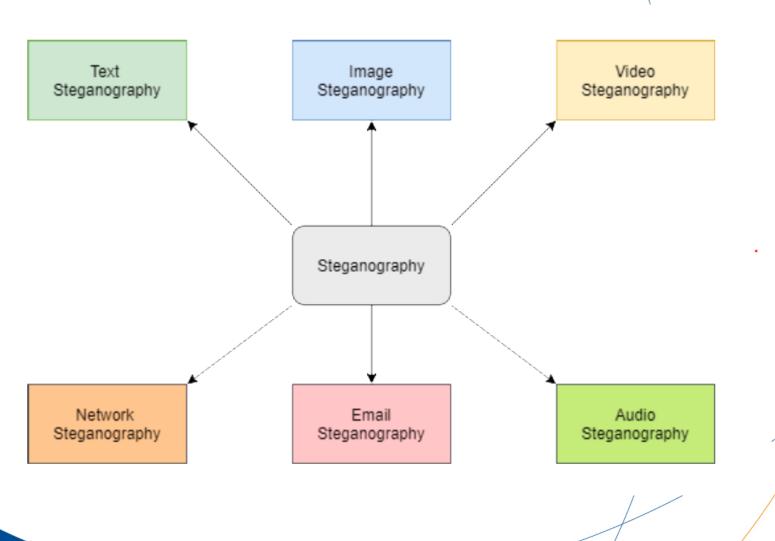
• Implementar práticas e condutas de segurança da informação no ambiente de TI.

#### Bases Tecnológicas, científicas e instrumentais (conteúdos):

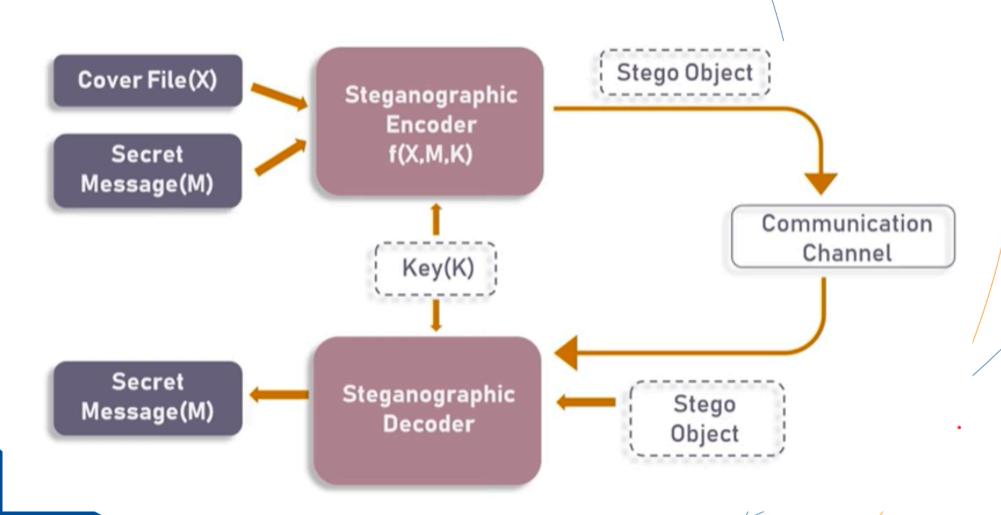
Criptografia

#### Situação de Aprendizagem:

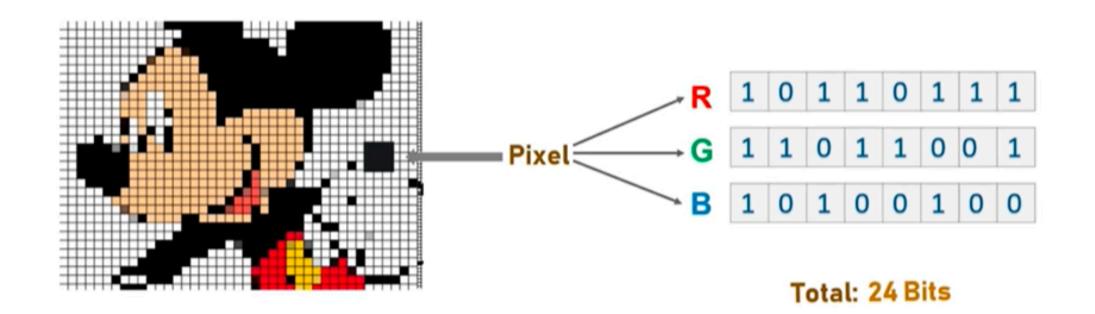




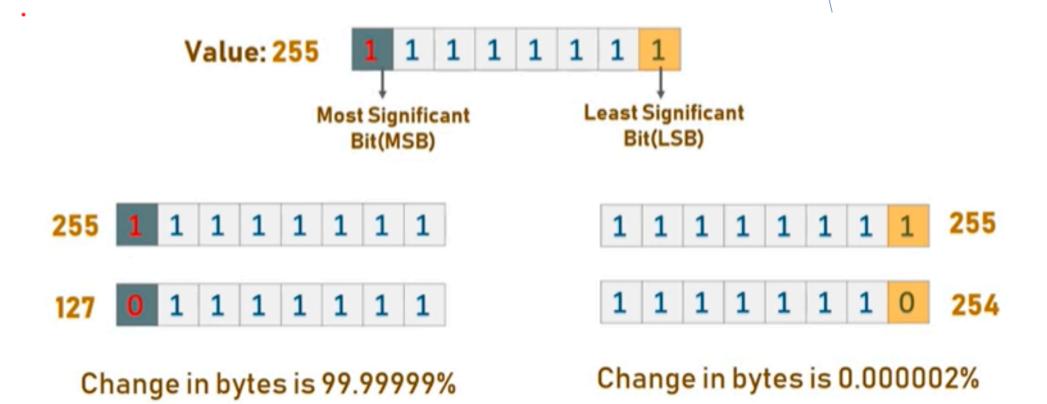


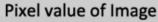












[ 64	50	128]
127	65	128 162 129
44	78	129

Reshape and containert to binary

Massage="S"
Converted to ASCII=83
Converted to binary=0101 0011

Embed binary massage to LSB

#### Pixel value of Image

		1	MSB	LSB
ľ	64		0100	0000
1	50		0011	0010
	128		1000	0000
	127		0111	1111
ı	65	=	0100	0001
	162		1010	0010
	44			1100
	78			1110
	129-		L <sub>1000</sub>	0001-

Stego Image Pixel

[ 64	51	128
127	64	162
L 45	79	129.

Reshape

Pixel value of Stego Image MSB LSB 
$$\begin{bmatrix} 0100\ 0000 \\ 0011\ 0011 \\ 1000\ 0000 \\ 0111\ 1111 \\ 0100\ 0000 \\ 1010\ 0010 \\ 0010\ 1101 \\ 0100\ 1111 \\ 1000\ 0001 \end{bmatrix} = \begin{bmatrix} 64 \\ 51 \\ 128 \\ 127 \\ 64 \\ 162 \\ 45 \\ 79 \\ 129 \end{bmatrix}$$