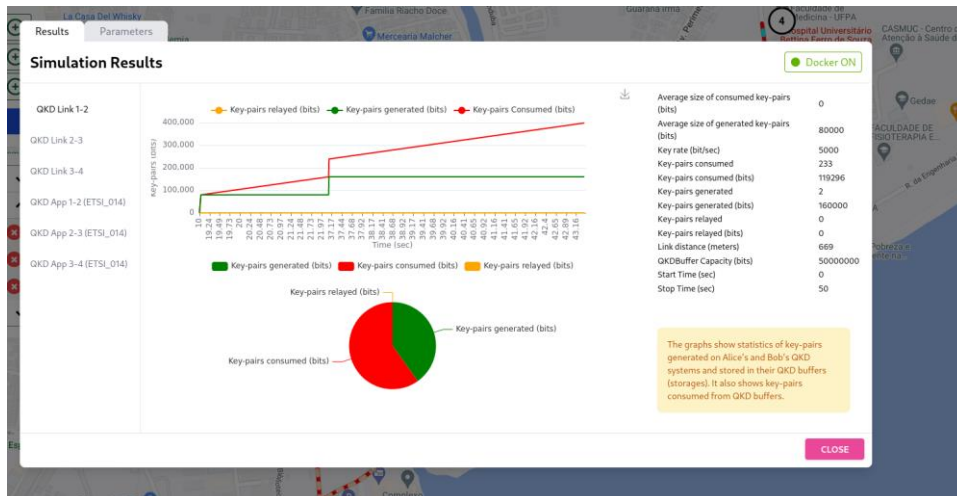


Testando parâmetros do QKD simulator



Usando esses parâmetros:

Parameters

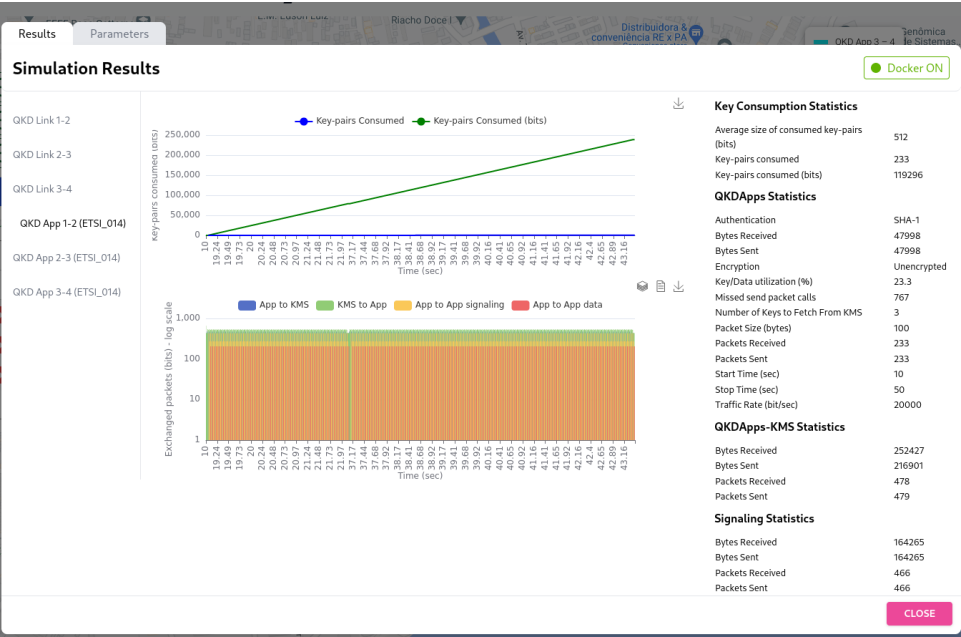
QKD Systems

Settings of QKD systems used to generated secret keys

DISTANCE (METER) 669
KEY RATE (BPS) 5000
KEY SIZE (BIT) 10000
PP PACKET SIZE (BYTE) 100
PP RATE (BIT/SEC) 1000
OKD START TIME (SEC) 0
OKD STOP TIME (SEC) 50

CLOSE

Usando essa aplicação



KEY RATE(BPS) 5000				
Tipos de cripto/autenticação	Key data utilization	Missed calls	Key-pairs Generated(bits)	Key-pairs consumed (bits)
VMAC	23.3%	767	160000	119296
ONE-TIME PAD	23.3%	767	160000	119296
VMac + OTP	11.61%	884	160000	119296

KEY RATE(BPS) 10000				
Tipos de cripto/autenticação	Key data utilization	Missed calls	Key-pairs Generated(bits)	Key-pairs consumed (bits)
VMAC	69.8%	302	400000	357888
ONE-TIME PAD	69.8%	302	400000	357888
VMAC + OTP	35.1%	649	400000	359424

KEY RATE(BPS) 15000				
Tipos de cripto/autenticação	Key data utilization	Missed calls	Key-pairs Generated(bits)	Key-pairs consumed (bits)
VMAC	69.8%	302	560000	357888
ONE TIME PAD	69.8%	302	560000	357888
VMAC + OTP	47.3%	527	560000	485376

KEY RATE(BPS) 20000				
Tipos de cripto/autenticação	Key data utilization	Missed calls	Key-pairs Generated(bits)	Key-pairs consumed (bits)
VMAC	77.3%	227	880000	396288
ONE TIME PAD	77.3%	227	880000	396288
VMAC + OTP	69.8%	302	880000	715776

KEY RATE(BPS) 100000				
Tipos de cripto/autenticação	Key data utilization	Missed calls	Key-pairs Generated(bits)	Key-pairs consumed (bits)
All in automatic	100%	0	1760000	0
VMAC	99.8	2	1760000	511488
ONE TIME PAD	99.8	2	1760000	511488
VMAC + OTP	99.8	2	1760000	1022976

KEY RATE(BPS) 500000				
Tipos de cripto/autenticação	Key data utilization	Missed calls	Key-pairs Generated(bits)	Key-pairs consumed (bits)
All in automatic	100%	0	1760000	0
VMAC	99.8%	2	1760000	511488
ONE TIME PAD	99.8%	2	1760000	511488
VMAC + OTP	99.8%	2	1760000	1022976