

position	cost	unit	reference
sstore 1 word (256 bit) cold	20000	gas	https://github.com/djrtwo/evm-opcode-gas-costs/blob/master/opcode-gas-costs_EIP-150_revision-1e18248_2017-04-12.csv#L50
assumed average gas price	50	gwei	https://etherscan.io/gastracker#historicaldata
1 eth	1000000000	gwei	https://eth-converter.com/
1 eth	2.600	eur	google
store 256 bit word cold	2,6	eur	calculation
store 1 bit cold	0,01015625	eur	calculation
sstore 1 word (256 bit) warm	5000	gas	https://github.com/djrtwo/evm-opcode-gas-costs/blob/master/opcode-gas-costs_EIP-150_revision-1e18248_2017-04-12.csv#L50
store 256 bit word warm	0,65	eur	calculation
sstore 1 bit warm	0,0025390625	eur	calculation
daily active ethereum addresses	500000	addresses	https://etherscan.io/chart/active-address
false positive rate upper target	0.01	chance	estimate, every 100st user
mandatory bloom filter size	4792530	bits	https://hur.st/bloomfilter/?n=500000&p=0.01&m=&k=
bloom filter cost (cold)	48674,13281	eur	calculation
bloom filter cost (warm)	123,5866653	eur	calculation
1MB	8.000.000,00	bits	google
sstore 1MB cold	81250	eur	calculation