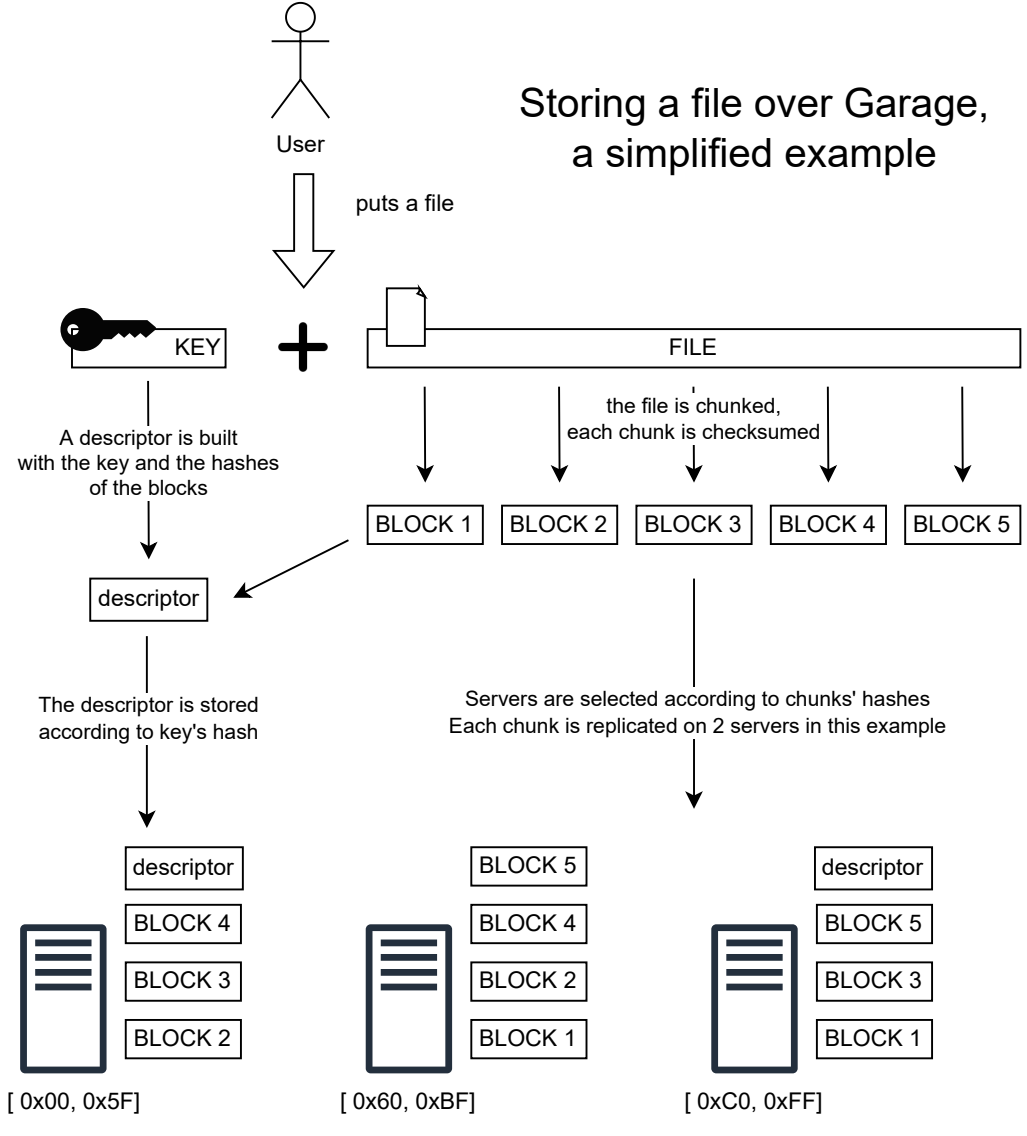
Storing a file over Garage,
a simplified example
User
puts a file
KEY
FILE
A descriptor is built
with the key and the hashes
of the blocks
the file is chunked,
each chunk is checksumed
BLOCK 1
BLOCK 2
BLOCK 3
BLOCK 4
BLOCK 5
descriptor
The descriptor is stored
according to key's hash
Servers are selected according to chunks' hashes
Each chunk is replicated on 2 servers in this example
descriptor
BLOCK 4
BLOCK 3
BLOCK 2
[0x00, 0x5F]
BLOCK 5
BLOCK 4
BLOCK 2
BLOCK 1
[0x60, 0xBF]
descriptor
BLOCK 5
BLOCK 3
BLOCK 1
[0xC0, 0xFF]