

Reliable, Resilient And Efficient Distributed Storage In Dynamic Environment

Abstract

This invention relates to a method and a system for storing file in a distributed storage network. The method may be performed in the following manner. A file to be stored is read and a code rate, R , and a block size, n , is determined. The method then divides the file into k segments and generates an erasure code based on R and n . Subsequently, the method encodes k segments of the file based on the erasure code and generates encoded n segments. The encoded n segments are transmitted to the distributed storage network.

Figure 1