# Introduction

When we have a look at our environment, we can see that technology is everywhere. We can see from daily practices to a very narrow study field that It is the way how our community is being developed. To develop technology, data is the most important resource to understand the needs or store the outputs of our researches. From this point of view, when we say “data”, we mean the all outputs that are taken from any research which are being hold right now or were already held. By the definition, we can deduce that this requires storage facilities for a huge amount of data. Engineers are continuously working on handling the data and maintaining resources for the on-going researches in this way. For these purposes, data distribution is a powerful technique which is commonly used all around the world because by distributing the data to different points, one both avoids overloads on a single source point and in this way satisfies the demand from different points of the world better. Of course, data distribution brings out some security related questions with itself but data encryption and replication are some other techniques to solve such problems. Our project aims to create an off the shelf component that a developer can apply these modern techniques to his data storage facilities easily.