



# Adaptable Distributed Storage

BigDataStack Software Component developed by LeanXcale

## Description

The Adaptable Distributed Storage component consists of a novel mechanism that allows the data storage layer to be adapted to diverse workloads at run-time.

## Features

This technology can allow the storage layer to scaly out automatically, without downtime or decreased performance. Moreover, data allocation is achieved automatically, without the need of a DB administrator to explicitly perform any corrective action.

## Areas of Application

Any enterprise that deals with BigData and it needs a storage layer that can handle diverse workloads.



# Adaptable Distributed Storage

## Market trends & opportunities

Enterprises that want to reduce its operational cost by better allocate the resources needed by the storage layer. The enterprise can also avoid the operational maintenance of its datastore, as this can be automatically done by this component.

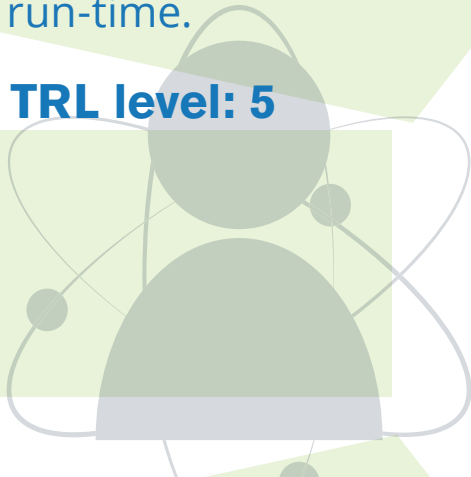
## Customer benefits

Any enterprise that deals with BigData and it needs a storage layer that can handle diverse workloads, and/or their data can get increased in a high rate while additionally, the need for data consistency and transactional assurance is crucial.

## Technological novelty

A novel mechanism has been implemented that allows the storage system of LeanXcale relational datastore to provide elastic scalable capabilities, thus, to enable the adaption to diverse workloads on the run-time.

## TRL level: 5



 [bigdatastack.eu](http://bigdatastack.eu)