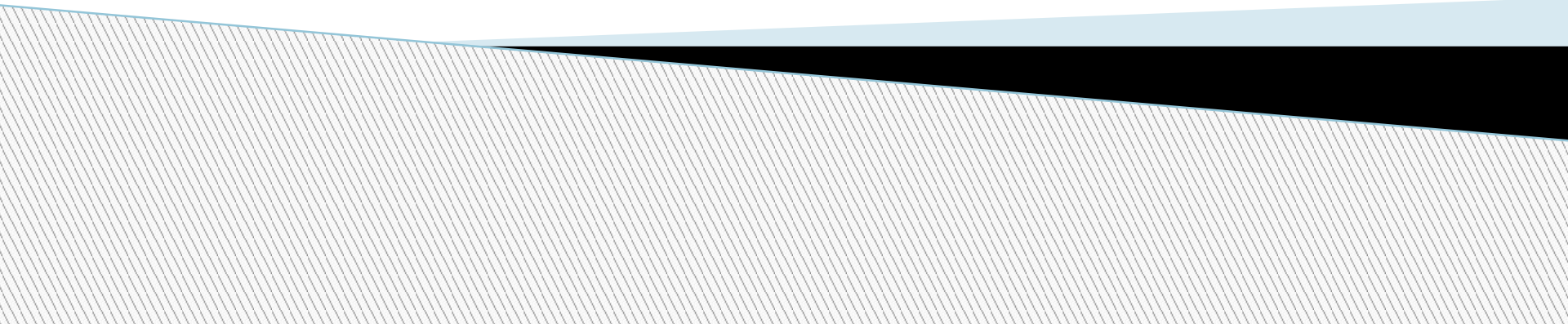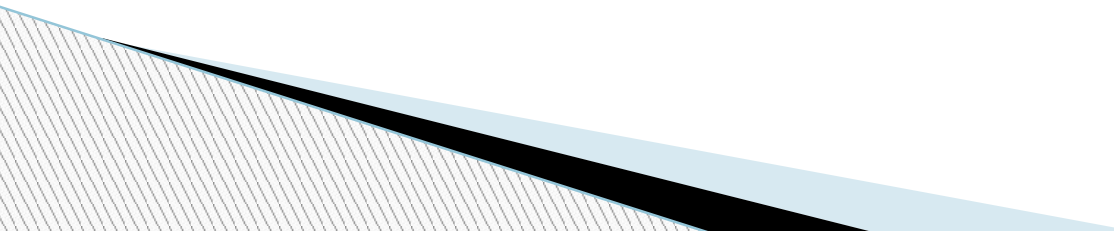# Computer clusters systems

Contents

- Introduction
- The concept of clusters systems
- History of appearance
- Design and configuration
- Data Communication and Communication
- Benefits clusters systems
- Application
- Results

Introduction

- The topic of computer clusters will be of interest to all IT professionals and others who are addicted to computers.
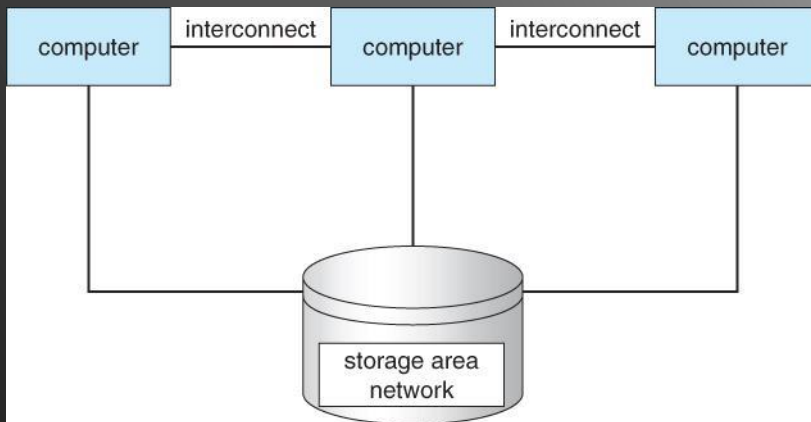
The concept of clusters systems

A computer cluster consists of a set of loosely or tightly connected computers

History of appearance

It is not possible to determine the exact date when the clusters were created. Clusters appeared in the early 1960s
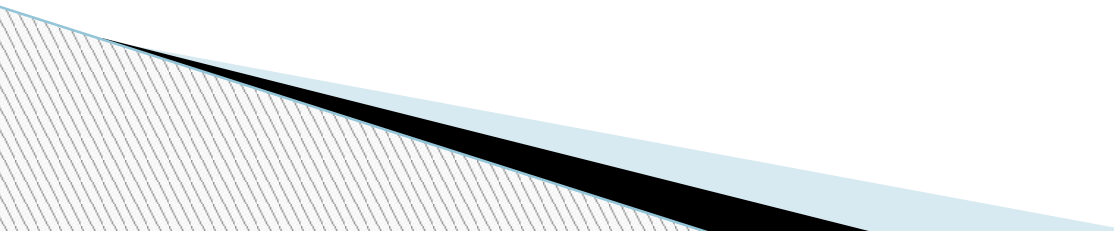
Design and configuration

 The primitive cluster design itself consists of three computers and a connected network
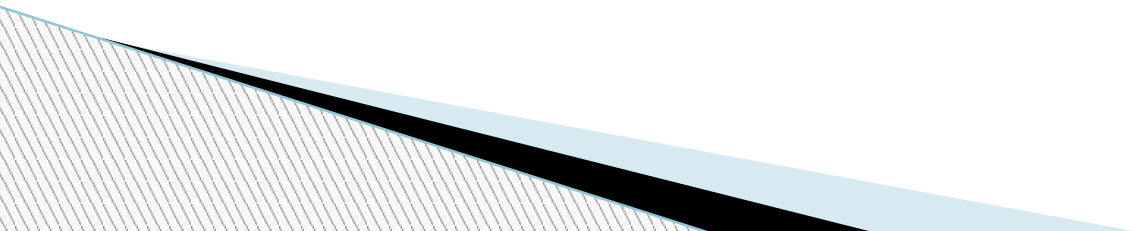
Data Communication and Communication

 Two widely used approaches for communication between cluster nodes are MPI, the Message Passing Interface and PVM, the Parallel Virtual Machine.

Benefits clusters systems

- Fault tolerance

- High processing power

- Low frequency of service

- Scaling

Application

- Scientific developments

- Modeling

- Information systems

Results

From what has been said, we can conclude that such systems are very useful if you have financial difficulties, but you will not need a large computing resource. And this system will suit you!

literature

- https://en.wikipedia.org/wiki/Computer_cluster - The concept of clusters systems
- https://www.techopedia.com/definition/6581/computer-cluster - Data Communication and Communication
- http://www.webstreet.com/super_computer.htm - Design and configuration