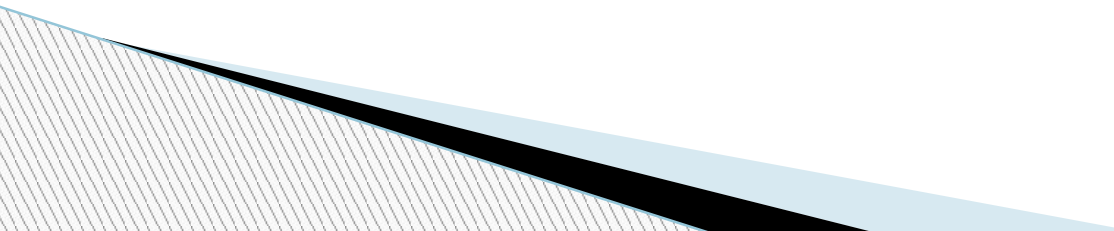


# **Computer clusters systems**



# 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



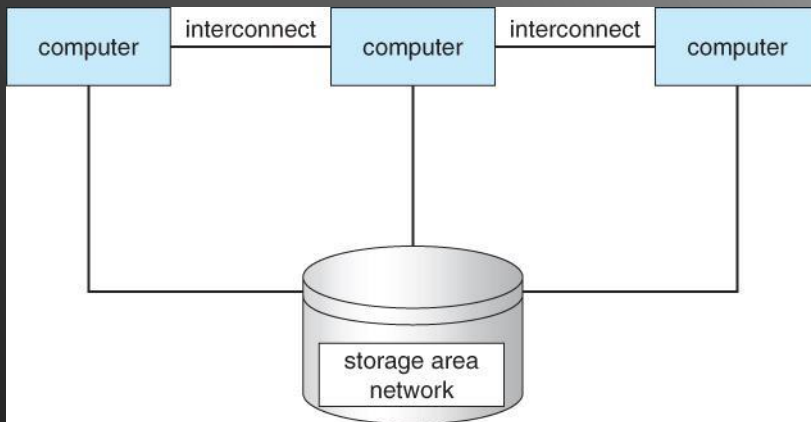
A computer cluster consists of a set of loosely or tightly connected computers

# 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



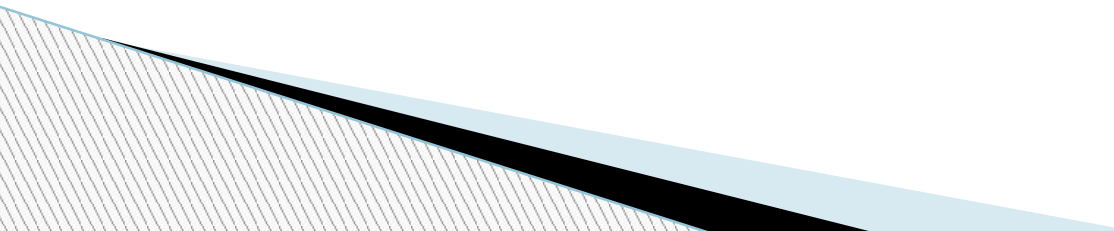
- The primitive cluster design itself consists of three computers and a connected network

# Data Communication and Communication



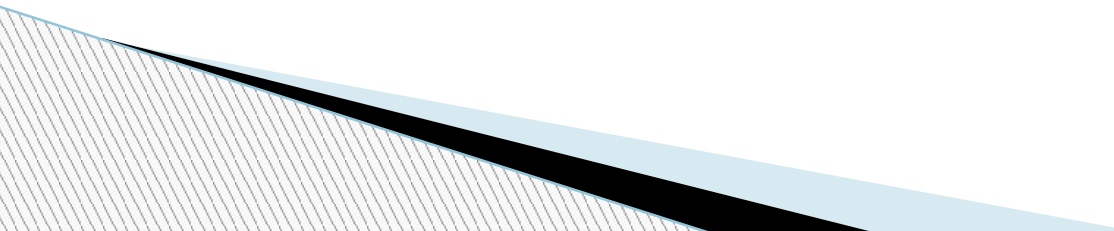
- Two widely used approaches for communication between cluster nodes are MPI, the Message Passing Interface and PVM, the Parallel Virtual Machine.

# Benefits clusters systems

- ❑ Fault tolerance
  - ❑ High processing power
  - ❑ Low frequency of service
  - ❑ Scaling
- 



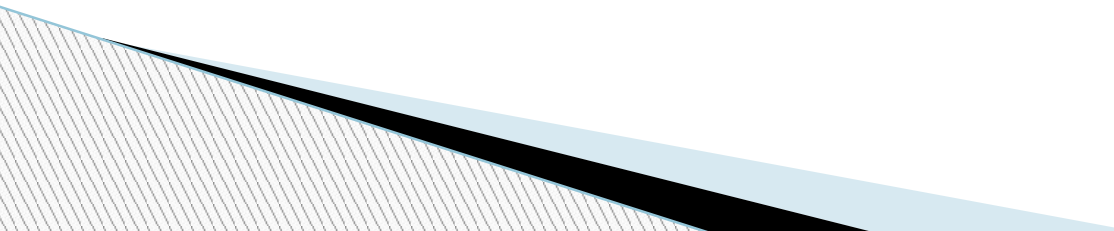
# Application

- 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](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](http://www.webstreet.com/super_computer.htm) - Design and configuration
- 