

- A Data Centre is a facility where is located the equipment (servers, storage hardware, cables, racks, switches, routers, etc.) which permit to an organization to centralize and manage its IT (Information Technology) operations and where it stores, manages and disseminates data. In a data centre are located the most critical information systems of a network, which are vital for its normal operation.
- Besides IT equipment data centres also include power subsystems, backup generators, ventilation and cooling equipment, fire suppression systems, etc. in order to guarantee a robust and reliable infrastructure.
- In order to guarantee the highest availability possible and avoid data losses due to failures, the stored information is typically replicated across three or more data centres geographically distinctive.
- The different data centres are interconnected by optical transport networks of very high capacity using WDM.