

## What is Cloud Computing ?

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**Gartner**

*"Cloud computing is a style of computing where massively scalable IT-related capabilities are provided as a service across the Internet to multiple external customers"*

**FORRESTER**

*"Cloud computing: A pool of abstracted, highly scalable, and managed infrastructure capable of hosting end-customer applications and billed by consumption"*



**WIKIPEDIA**  
The Free Encyclopedia

*"Cloud computing is Web-based processing, whereby shared resources, software, and information are provided to computers and other devices (such as smart phones) on demand over the Internet."*

## CAPEX to OPEX

- **CAPEX** model → buy the dedicated hardware over a period of time.
- **OPEX** model → use a shared cloud infrastructure and pay as one uses it.
- **Moving to cloud: CAPEX →→→ OPEX** model
- Business in profit.



## CAPEX to OPEX

- **Benefit of OPEX and why cloud?**
  1. Sharing of resources to achieve coherence and economies of scale.
  2. Avoid upfront infrastructure costs
  3. Focus on code development instead of infrastructure.
  4. Applications can run faster, with improved manageability and less maintenance, and enables IT.
  5. Adjustment with fluctuating and unpredictable business demand.
  6. Cloud providers use "pay as you go" model. Charges may be high if administrators do not used cloud.
  7. Reason for the growth of cloud computing: availability of high-capacity networks, low-cost computers and storage devices, hardware virtualization, service-oriented architecture, utility computing.
- **Results:** Cloud vendors are experiencing high growth rates annually