



# SNS College of Engineering

An Autonomous Institution

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Redesigning Common Mind & Business Towards Excellence



Build an Entrepreneurial Mindset Through Our Design Thinking FrameWork

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

# Data Collection, Storage and Computing using a Cloud platform



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# Introduction

## Data Collection, Storage and Computing using a Cloud platform

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- ❖ Cloud computing paradigm is a great evolution in Information and Communications Technology (ICT).
- ❖ The new paradigm uses XAAS at the Internet connected clouds for collection, storage and computing.
- ❖ A few conventional methods for data collection and storage are as follows: Saving devices' data at a local server for the device nodes .
- ❖ Communicating and saving the devices' data in the files locally on removable media, such as micro SD cards and computer hard disks IoT data collection and storage methods Communicating and saving the data and results of computations in a dedicated data store.



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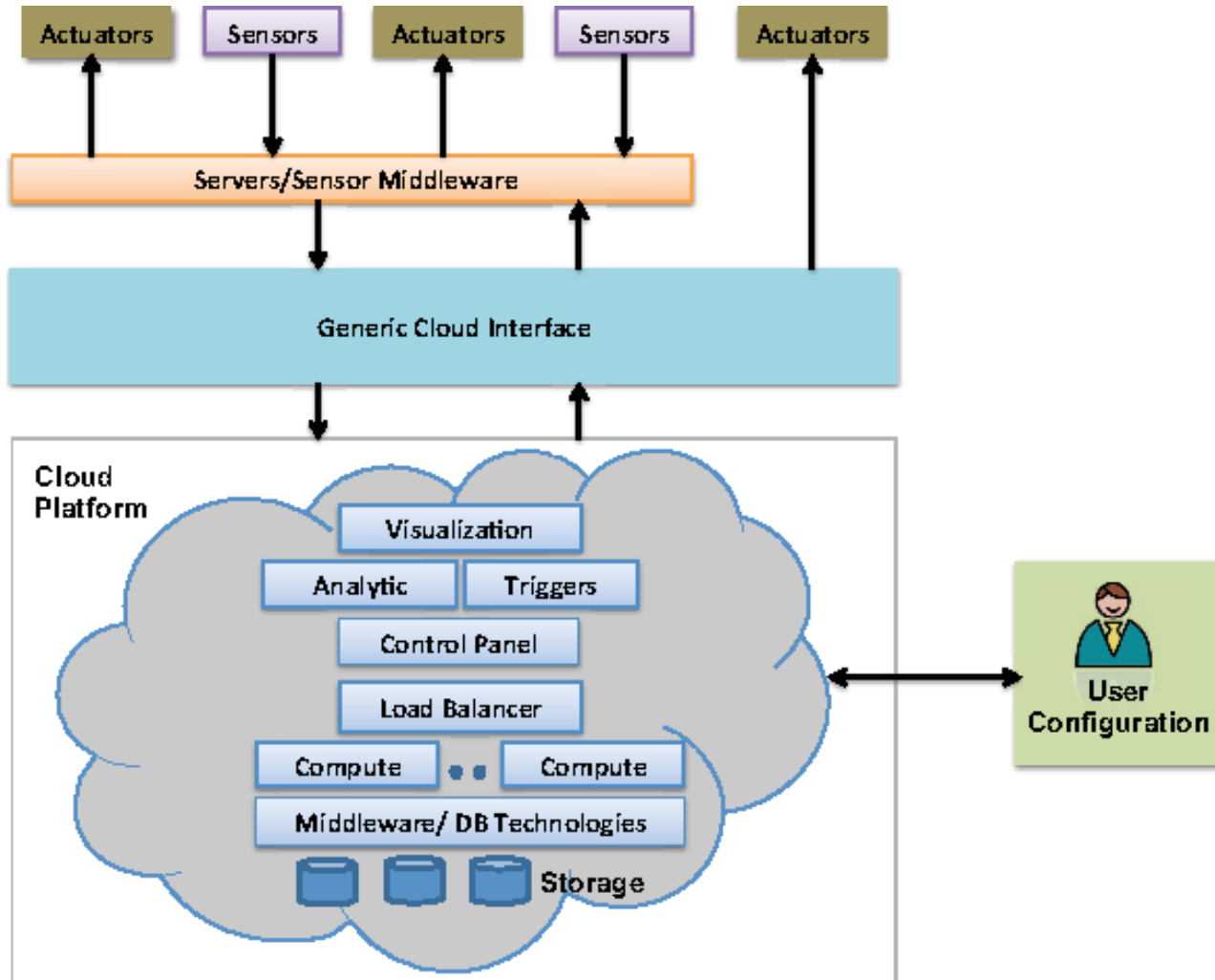
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- ❖ or coordinating node locally Communicating and saving data at a local node, which is a part of a distributed DBMS .
- ❖ Communicating and saving at a remote node in the distributed DBMS  
Communicating on the Internet and saving at a data store in a web or enterprise server  
Communicating on the Internet and saving at data centre for an enterprise  
Cloud is a new generation method for data collection, storage and computing.



# Introduction

Data Collection, Storage and Computing using a Cloud platform





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## Data Collection, Storage and Computing using a Cloud platform



- ❖ Cloud computing paradigm is a great evolution in Information and Communications Technology (ICT).
- ❖ The new paradigm uses XAAS at the Internet connected clouds for collection, storage and computing.
- ❖ Resource refers to one that can be read (used), written (created or changed) or executed (processed). A path specification is also a resource.
- ❖ The resource is atomic (not-further divisible) information, which is usable during computations. A resource may have multiple instances or just a single instance.
- ❖ The data point, pointer, data, object, data store or method can also be a resource



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sign Thinking FrameWork

Thank  
You