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# **CLOUD COMPUTING APPLICATIONS**

## Cloud Computing Glue: Introduction

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# Cloud Computing Glue

- Cloud Computing is all about running your compute tasks and storing your data on other computers
- At the core, it's about communication between computing sources
  - Your client + some server on the cloud, through internet
- Have we seen this problem before?
  - Inter-process communication
  - Communication on a local network
  - Communication on internet

# Overview

1. Intro
2. Communication
3. Internet Protocol, HTTP and RTC on HTTP
4. Service Oriented Architecture and SOAP
5. RESTful Architecture
6. Asynchronous RPC, WebSocket
7. HTTP2 Push, Streaming Video
8. JSON, comparison with XML
9. RPC semantics and implementation
10. Protocol Buffers and Thrift