

# Beyond Data Protection: Securing Software in Cloud Computing

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# Cloud computing potential

- **Cloud computing is one of the most promising paradigm in computer science**
- Individual specific technologies exist
  - Desktop integration
  - Communication
  - Interfaces
  - ~~Security and Trust~~
  - ~~Integration~~
  - ...
- Ad-hoc solutions are currently built with those “isolated” technologies. These are inevitably specific and restricted.



# Protecting data in the cloud

- Currently, cloud computing is based on:
  - running **predefined software**
  - provided and controlled by the **cloud provider**
- In this situation, the existence of a trust relation with such provider is enough for most clients
- Therefore **everyone talks about protecting data** in the cloud
  - Obviously needed!
  - But this is because we are thinking about today's cloud computing



## Future challenges for cloud security

- However, we should take into account that the **future of cloud computing** will not be limited to running predefined software
  - There is a lot of potential if we consider the possibility of **running client-specific or proprietary software in the cloud**
  - I want the audience to consider the challenges related to the protection of proprietary software in the cloud.



Thanks! And let's see what you think...

