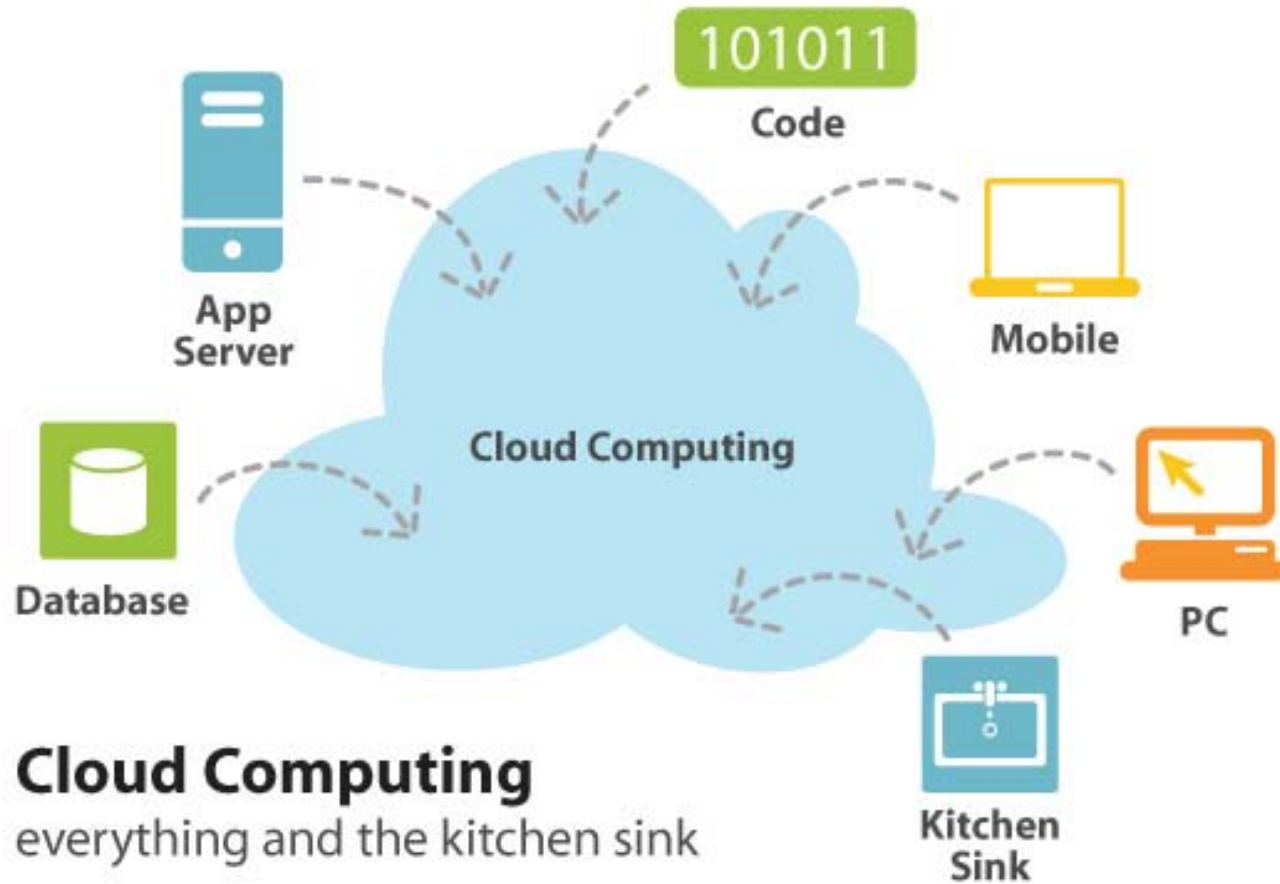


# Overcoming challenges of deploying cloud technologies in regulated industries

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# What is Cloud Technology?



Picture from [smallbiztechnology.com](http://smallbiztechnology.com)

# Advantages of Cloud

- ✓ Automatic updates
- ✓ No local maintenance
- ✓ Less cost
- ✓ Elastic memory space

# How is cloud viewed in Regulated Industry?



Picture from [tweakyourbiz.com](http://tweakyourbiz.com)

# Regulated Industries

- Companies operating under
  - FDA (Food and Drug Administration)
  - FAA (Federal Aviation Administration)
  - CE (**C**onformité **E**uropéene)
  - Etc
- Show documentation and objective evidence of your product development process
- Demonstrate controlled processes

# What are the challenges?

- Adaptability vs. Control
  - Cloud keeps the data far away in servers
  - Cloud updates software as needed in the background
  - Cloud expands memory as needed
  - ❖ Regulated bodies need control on all areas
  - ❖ Software tools must be validated
  - ❖ Memory and data should be tested for integrity

# Possible Solutions

- Companies operating in regulated industries should use cloud technologies
- Validate the initial cloud infrastructure set up
- Schedule the changes or updates
- Aggregate the changes during updates
- Changes may include server updates, software updates, data integrity and memory
- RE-VALIDATE