Controls and the Control Environment
Week 5
Controls are defined as the policies, procedures, practices and organizational structures designed to provide reasonable assurance that business objectives will be achieved and undesired events will be prevented.
The **control environment** is the actions, policies, values, and management styles that influence, and set the **tone** of a firm's day-to-day activities.
What Does a Company Want From its IT Systems?
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- Effective
- Efficient
- Confidential
- Integrity
- Available
- Compliant
- Reliable
Three Types of Controls

• Preventive Controls
• Detective Controls
• Corrective Controls
General IT vs. Application Controls

General controls are part of an IT service like identity management.

Application controls are part of a business process, like order-to-cash.

For example, logonids and passwords are a general IT control to ensure that a person is who he says he is. Checking to see if that person has the authority to enter an order is an application control.
Controls
Multiple overlapping controls to mitigate one or a set of risks are known as **layered controls**. In security this concept is known as **defense in depth**.