Pillars of the AWS Well-Architected Framework

* Operational Excellence
  + The ability to run and monitor systems to deliver business value and to continually improve supporting processes and procedures
* Security
  + The ability to protect information, systems, and assets while delivering business value through risk assessments and mitigation strategies
* Reliability
  + The ability of a system to recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand and mitigate disruptions such as misconfigurations or transient network issues.
* Performance Efficiency
  + The ability to use computing resources efficiently to meet system requirements, and to maintain that efficiency as demand changes and technologies evolve
* Cost Optimization
  + Ability to run systems to deliver business value at the lowest price point.

AWS Well-Architected Framework we use these terms

* A **component** is a code, configuration and AWS Resources that together deliver against a requirement. A component is often the unit of technical ownership and is decoupled from other components.
* We use the term **workload** to identify a set of components that together deliver business value. The workload is usually the level of detail that business and technology leaders communicate about.
* **Milestones** mark key changes in your architecture as it evolves throughout the product lifecycle (design, testing, go live, and in production).
* We think about **architecture** as being how components work together in a workload. How components communicate and interact is often the focus of architecture diagrams.
* Within an organization, the **technology portfolio** is the collection of workloads that are required for the business to operate.

Overview of Amazon Web Services

* Six Advantages of Cloud Computing
  + Trade capital expense for variable expense
  + Benefit from massive economies of sale
  + Stop guessing capacity
  + Increase speed and agility
  + Stop spending money running and maintaining data centers
  + Go global in minutes