

AWS Well-Architected Framework (WAF)

1. Purpose:

- Helps you build and maintain good cloud systems.
- Identifies potential problems in your cloud setup.

2. Five Key Areas (Pillars):

- **Operational Excellence:** Making sure your operations run smoothly and you can improve them over time.
- **Security:** Protecting your data and systems.
- **Reliability:** Ensuring your system works consistently and recovers from failures.
- **Performance Efficiency:** Using cloud resources effectively and efficiently.
- **Cost Optimization:** Managing and reducing your cloud costs.

3. How It Works:

- Regularly review your systems to follow best practices.
- Use the AWS Well-Architected Tool to check your workloads.

4. Design Tips:

- Don't guess how much capacity you need.
- Test at the scale you'll run in production.
- Automate wherever possible.
- Make your architecture adaptable and data-driven.
- Practice responding to simulated issues.

AWS Cloud Adoption Framework (CAF)

1. Purpose:

- Guides companies on how to move to the cloud successfully.
- Provides advice and best practices for cloud migration.

2. Six Perspectives:

- **Business:** Aligning IT with business goals.
- **People:** Managing people and change.
- **Governance:** Managing cloud investments and risks.
- **Platform:** Designing and building cloud infrastructure.
- **Security:** Keeping the cloud environment secure.
- **Operations:** Running cloud services efficiently.

3. Adoption Phases:

- **Envision:** Define your cloud goals and strategy.
- **Align:** Get everyone on board with the strategy.
- **Launch:** Start with pilot projects and quick successes.
- **Scale:** Expand cloud usage and optimize for efficiency.

4. Tools and Resources:

- Workshops and maturity assessments to help you plan.
- Documentation and best practices to guide you.

Key Differences:

• Focus:

- WAF is about building and maintaining individual applications well.
- CAF is about helping the whole organization move to the cloud smoothly.

• Use Case:

- Use WAF to ensure each cloud application is set up correctly.
- Use CAF to guide your company's overall cloud adoption journey.