4 Progression Steps for Monitoring the cloud: 1. Secure   2. Monitor   3. Audit   4. Comply

Amazon CloudWatch: ***Reduce MTTR and improve CTO
-   Monitor AWS resources and applications in real time.
-   System-wide visibility to resource utilization, app performance & operational health
-   4 features: (i) Metrics   (ii) Dashboard   (iii) Alarms   (iv) Logs

Amazon CloudTrail: ***Audit
-   Track user activities, including API calls
-   3 features: (i) Events (ii) Logs (iii) Insights

AWS Artifact:
-   Access security-compliance reports & online agreements
-   2 types: (i) AWS Artifact Reports & (ii) Agreements

AWS Config: **AWS Compliance**
-   Monitors & Records AWS resource configurations
-   Audit, Assess, & Evaluate **configurations** of AWS resources

AWS Audit Manager:
-   Continually audit AWS usage to simplify risk and compliance assessment
-   Automated **evidence** collection

AWS Organization:
-   Manage Policies for Groups of Accounts
-   Automate Account Creation

AWS Control Tower:
-   Manage governance rules for security, operations, and compliance across all your organizations and accounts in the AWS Cloud.
-   4: (i) Dashboard (ii) Acct Factory (iii) Controls (Guardrails)-- High-level rules (iv) Landing zone

AWS Service Catalog:
-   Create, share, and organize from a curated catalog of AWS resources.
-   **Provision resources** for AWS accounts.
-   Accelerate provisioning of **CI/CD pipeline.**

AWS License Manager:
-   AWS BYOL model allows software purchase from licensed third parties, cost savings.

AWS Health: - Data source for events & changes affecting health of AWS Cloud resources.

AWS Trusted Advisor:
5 major areas : (1) Cost Optimization (2) Performance (3) Security (4) Fault Tolerance (5) Service Limit
-   Evaluate your AWS environment by using best practice checks across several categories.
-   Helps to align with AWS best practices

AWS IAM Access Analyzer:
-   Set, verify, and refine permissions by analyzing external access
-   Validate IAM policies to meet least-privilege goals