


















































































A nice cheat sheet of different monitoring infrastructure in cloud services

This cheat sheet offers a concise yet comprehensive comparison of key monitoring elements across the three major cloud providers and open-source / 3rd party tools.

MONITORING CHEAT SHEET 				
Element	aws	Google Cloud	Azure	Open Source / 3rd Party
Data Collection	 Cloud Watch  Cloud Watch Logs  Cloud Trail  Config  Custom agents / Scripts	 Cloud Monitoring  Cloud Logging  Cloud Audit Logs  Custom agents / Scripts	 Azure Monitor  Azure Activity Log  Azure Policy  Security Center  Custom agents / Scripts	 ZABBIX  Prometheus  fluentd  logstash  splunk  telegraf  Nagios  Sensu
Data Storage	 S3	 Cloud Storage	 Blob Storage	 MINIO  GLUSTER  ceph
Data Analysis	 CloudWatch Metrics Insights	 Cloud Operations	 Azure Monitor Metrics Explorer	 Grafana  tableau  kibana
Alerting	 SNS	 Cloud Monitoring Alerts	 Azure Monitor Alerts	 PagerDuty  slack
Visualization	 CloudWatch Dashboard  QuickSight	 Cloud Monitoring Dashboard  Data Studio	 Azure Monitor Dashboard  Power BI	 Grafana  Superset  Metabase  tableau  redash
Reporting and Compliance	 Config Rules  Trusted Advisor	 Security Command Center	 Policy Compliance  Security Center Compliance	 OpenSCAP  CISOfy
Automation	 Lambda  Step Functions	 Cloud Functions	 Azure Functions  Azure Automation	 Jenkins  ANSIBLE
Integration	 CloudFormation  CodePipeline	 Cloud Deployment Manager  Cloud Build	 Azure Automation  Azure DevOps	 Pulumi  Terraform  GitLab  Jenkins  Travis CI
Feedback Loop	 Well-Architected Tool	 Well-Architected Framework	 Well-Architected Framework	 Scout APM  Cloud Custodian

Let's delve into the essential monitoring aspects covered:

- Data Collection: Gather information from diverse sources to enhance decision-making.
- Data Storage: Safely store and manage data for future analysis and reference.
- Data Analysis: Extract valuable insights from data to drive informed actions.

- Alerting: Receive real-time notifications about critical events or anomalies.
- Visualization: Present data in a visually comprehensible format for better understanding.
- Reporting and Compliance: Generate reports and ensure adherence to regulatory standards.
- Automation: Streamline processes and tasks through automated workflows.
- Integration: Seamlessly connect and exchange data between different systems or tools.
- Feedback Loops: Continuously refine strategies based on feedback and performance analysis.

Over to you: How do you prioritize and leverage these essential monitoring aspects in your domain to achieve better outcomes and efficiency?