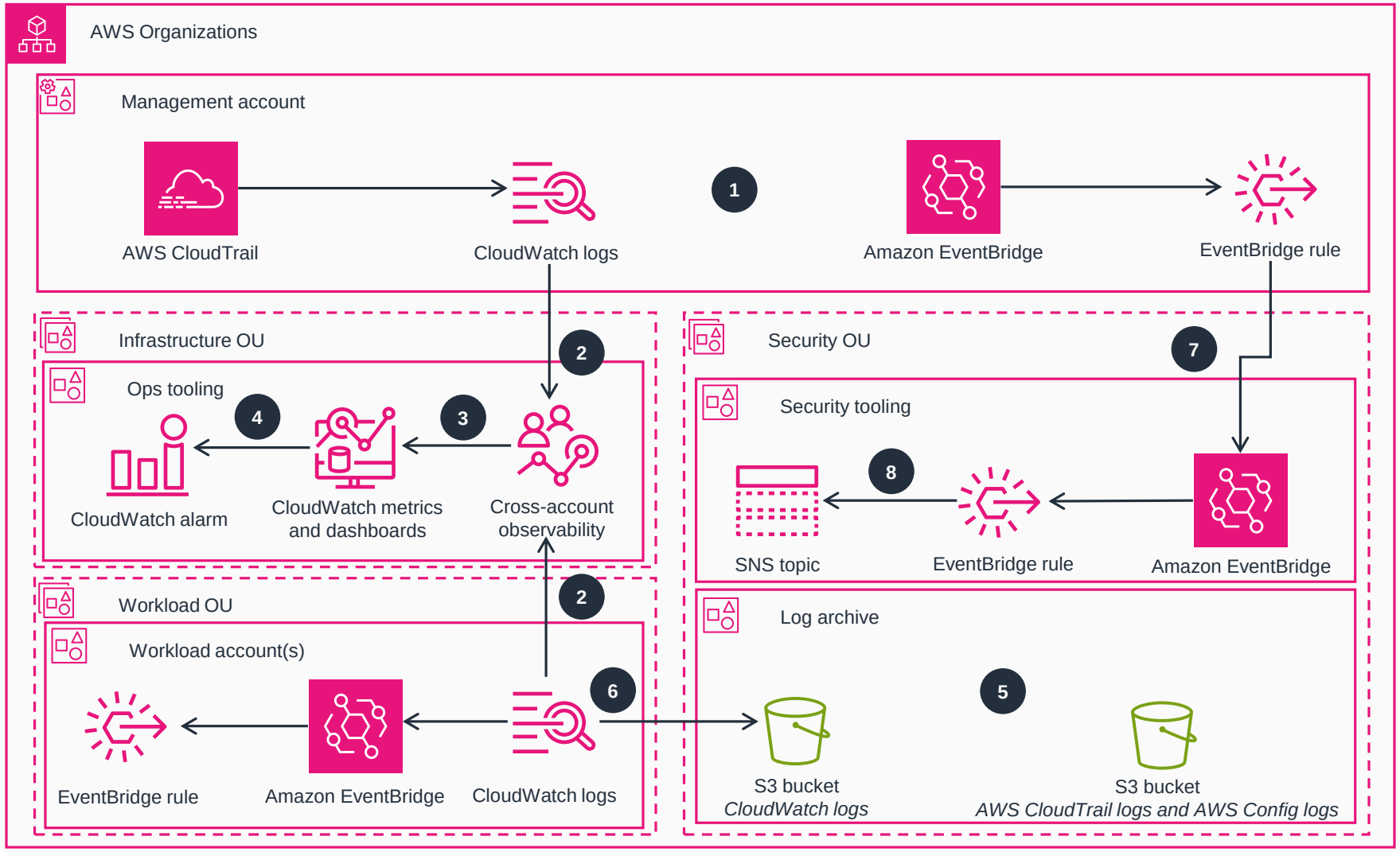
Guidance for Observability on AWS

This architecture diagram shows you how to build observability into your cloud foundation.



1. Deploy and configure log analysis tools and filters to identify key events within your **AWS Organization** using sources from an **AWS CloudTrail** organization trail and events in **Amazon EventBridge**.
2. Centralize log visibility across your **AWS Organization** using **Amazon CloudWatch cross-account observability**.
3. Build **CloudWatch** metrics to filter and alert based on key performance indicators and operational events.
4. Build and share dashboards and visualizations using **CloudWatch**, and set up **CloudWatch** alarms that notify you when resources reach a pre-defined threshold.
5. Centralize persistent long-term log storage for **CloudWatch** logs, **CloudTrail** logs, and **AWS Config** logs to manage lifecycle and cost optimization.
6. Implement automated log archival by exporting **CloudWatch** logs to a centralized **Amazon Simple Storage Service (Amazon S3)** bucket.
7. Centralize operational and security events across your **AWS Organization** by using **EventBridge** and **EventBridge** rules.
8. Define **EventBridge** rules to send notifications to actionable team members using **Amazon Simple Notification Service (Amazon SNS)** topics.

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AWS Reference Architecture