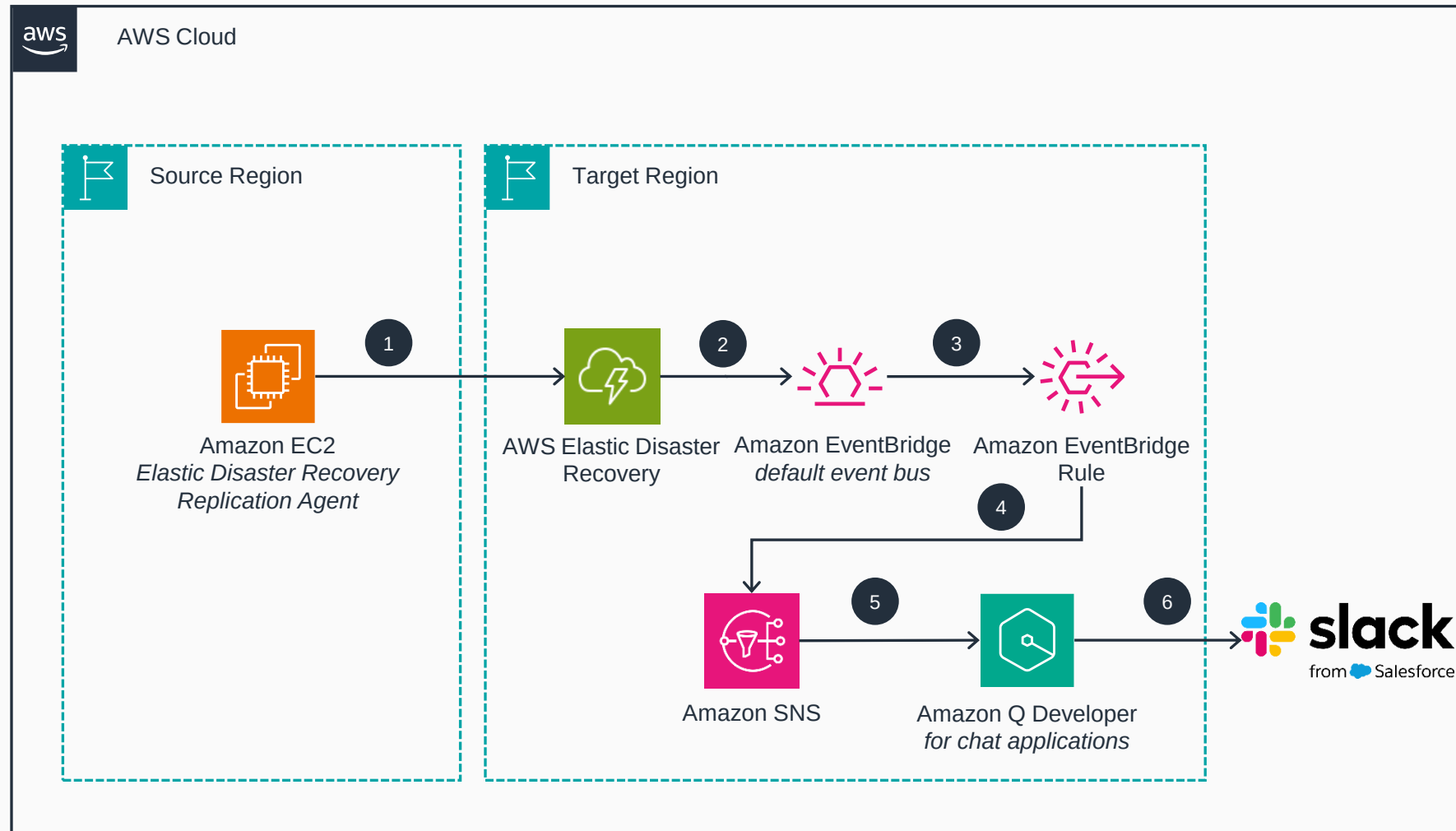


Guidance for Near Real-time monitoring of AWS Elastic Disaster Recovery using Amazon Q Developer

This architecture diagram illustrates integration of Amazon Q Developer with Slack to receive near real-time notifications about critical events related to resources protected by AWS Elastic Disaster Recovery, allowing proactive monitoring, identification, and response to events.



- 1 An administrator installs the **AWS Elastic Disaster Recovery (AWS DRS) Replication Agent** on production **Amazon Elastic Compute Cloud (Amazon EC2)** instances to enable disaster recovery (DR) monitoring.
- 2 The **AWS DRS** service automatically generates and sends events about resource status to the **Amazon EventBridge** default event bus.
- 3 **Amazon EventBridge** Rules filter events based on predefined patterns to identify critical **AWS DRS** events.
- 4 **Amazon EventBridge** automatically routes matched events to an **Amazon SNS** topic for notification distribution.
- 5 **Amazon Q Developer** configured with Slack integration subscribes to the **Amazon Simple Notification Service (Amazon SNS)** topic to receive **AWS DRS** events.
- 6 **Amazon Q Developer** provides natural language querying of **AWS DRS** environments, analyzing server states and offering optimization recommendations. Through conversational AI in Slack, users can interact with the AWS DRS infrastructure, execute CLI commands, and receive automated notifications about resource replication status. Teams gain visibility into DR operations through designated Slack channels.

