**AWS ASG Resume Points**

Here are some resume points related to AWS Auto Scaling Groups (ASGs):

* Designed and implemented highly scalable and resilient architectures using ASGs to automatically adjust the number of instances based on application demand, ensuring optimal performance and cost efficiency.
* Proficient in configuring ASG launch configurations, specifying instance types, AMIs, security groups, and other parameters to ensure consistent and standardized instance provisioning within the ASG.
* Experienced in utilizing ASG scaling policies, such as target tracking, step scaling, or simple scaling, to dynamically scale the number of instances based on custom metrics, CPU utilization, or application-specific metrics.
* Skilled in integrating ASGs with Elastic Load Balancers (ELBs) to distribute traffic evenly across instances and ensure high availability and fault tolerance for applications.
* Demonstrated expertise in utilizing ASGs with AWS Application Auto Scaling to scale services, containers, or custom resources beyond EC2 instances, enabling comprehensive application scaling.
* Proficient in implementing predictive scaling with ASGs, leveraging AWS Auto Scaling's machine learning capabilities to proactively adjust instance capacity based on predicted traffic patterns.
* Experienced in configuring ASG lifecycle hooks to perform pre and post-scaling actions, such as validating instances or draining connections, ensuring smooth scaling operations and minimizing impact on end users.
* Skilled in implementing ASG termination policies to determine the order in which instances are terminated during scale-in events, optimizing cost and resource utilization while maintaining application availability.
* Knowledgeable in utilizing ASG mixed instance policies, combining different instance types or sizes within the same ASG, to optimize cost-performance

trade-offs and accommodate varying workload requirements.

* Actively involved in monitoring and troubleshooting ASGs, utilizing AWS CloudWatch metrics, logs, and alarms to detect and resolve scaling issues, instance failures, or performance bottlenecks in real-time.
* Proficient in identifying and resolving issues related to ASG scaling activities, such as troubleshooting instances failing to launch, instances being terminated prematurely, or instances not registering with load balancers.
* Experienced in troubleshooting scaling policy configurations, ensuring accurate scaling decisions based on metrics, and addressing issues related to scaling thresholds, cooldown periods, or scaling policies not triggering as expected.
* Skilled in diagnosing and resolving issues related to instance health checks within the ASG, ensuring that unhealthy instances are properly identified and replaced to maintain application availability.
* Demonstrated expertise in troubleshooting ASG lifecycle hooks, resolving issues with hooks not triggering or not completing properly, and ensuring that lifecycle actions are executed successfully.
* Proficient in troubleshooting load balancer integration issues with ASGs, addressing issues with instances not registering or deregistering correctly, troubleshooting load balancer health check failures, or resolving connectivity issues between instances and load balancers.
* Experienced in troubleshooting scaling issues caused by insufficient capacity or availability in the underlying EC2 instances, addressing issues such as instance type limitations, resource constraints, or limitations in the selected Availability Zones.
* Skilled in analyzing and troubleshooting ASG termination policies, ensuring instances are terminated in the desired order during scale-in events, and resolving any issues related to instances not terminating correctly or affecting application availability.
* Proficient in utilizing AWS CloudWatch metrics, logs, and alarms to troubleshoot ASG-related issues in real-time, identifying performance bottlenecks, resource constraints, or anomalies impacting scaling operations.
* Experienced in collaborating with cross-functional teams, such as network administrators, application developers, or database administrators, to diagnose and

resolve complex ASG-related issues that span multiple layers of the application stack.

* Actively staying updated with the latest AWS Auto Scaling features and best practices, incorporating new troubleshooting techniques or automation tools into ASG troubleshooting workflows.
* Identified and resolved issues related to ASG scaling events, such as instances not scaling up or down as expected, investigating root causes and implementing corrective actions to ensure proper scaling behavior.
* Troubleshot and resolved issues with ASG launch configurations, addressing errors in instance provisioning, security group configurations, or AMI compatibility to ensure successful instance launches within the ASG.
* Investigated and resolved anomalies in ASG metrics and alarms, ensuring accurate monitoring and alerting for scaling activities and promptly addressing any deviations or false positives.
* Troubleshooted connectivity and networking issues within the ASG, resolving instances not being able to communicate with each other or with external resources, and addressing any issues related to VPC configurations or security groups.
* Diagnosed and resolved issues with ASG health checks, investigating instances marked as unhealthy and implementing remediation steps to ensure proper instance health monitoring and replacement.
* Investigated and resolved load balancer integration issues, troubleshooting instances not being registered or deregistered correctly from the load balancer, and resolving any issues impacting traffic distribution.
* Identified and addressed issues with insufficient capacity in the ASG, investigating limitations in instance types, instance availability, or the selected region's capacity to ensure adequate resources for scaling operations.
* Troubleshot and resolved ASG-related performance issues, investigating high CPU utilization, memory constraints, or disk I/O bottlenecks, and implementing optimization strategies to improve overall system performance.
* Collaborated with AWS Support or engaged in community forums to troubleshoot complex ASG issues, leveraging the expertise and resources available to resolve challenging scaling or integration problems.
* Actively documented troubleshooting steps, root cause analysis, and resolution procedures to contribute to knowledge sharing and establish best practices for ASG troubleshooting within the organization.