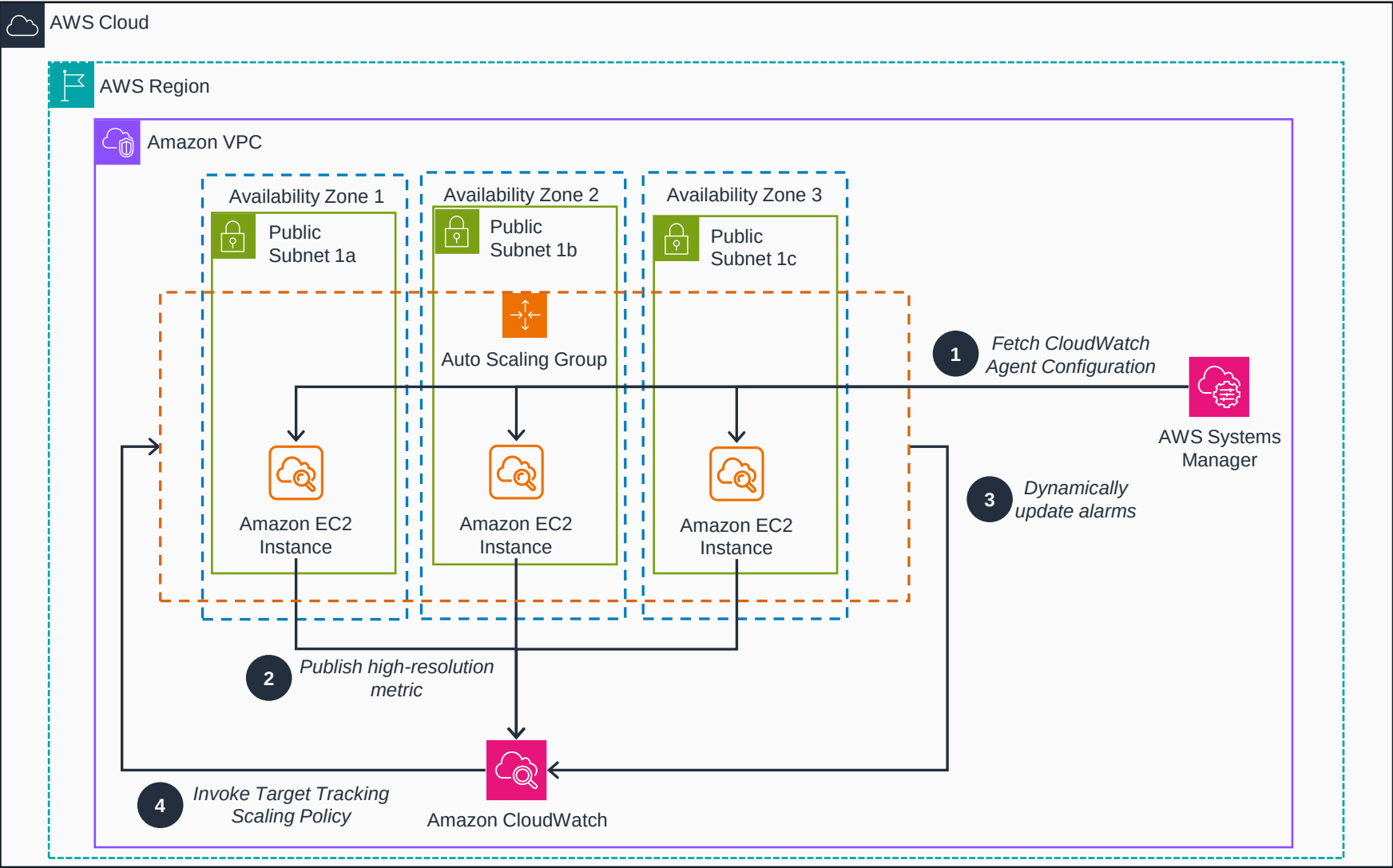


Guidance for Faster Amazon EC2 Auto Scaling with Target Tracking

This architecture diagram demonstrates the implementation of highly responsive target tracking policies for fleets of Amazon EC2 instances managed by Amazon EC2 Auto Scaling groups.



- 1 During their bootstrap process, **Amazon Elastic Compute Cloud (Amazon EC2)** instances fetch a pre-created unified **Amazon CloudWatch** agent configuration from **AWS Systems Manager**.
- 2 The **CloudWatch** agent running on the **Amazon EC2** instances publishes the chosen metric with a period of 10 (more responsive scaling), 30, or 60 (default) seconds to **CloudWatch**.
- 3 The **Amazon EC2** Auto Scaling group monitors the group's scaling activities and automatically tunes the **CloudWatch** alarms used to invoke the auto scaling group's target tracking scaling policies. These policies optimize between cost and performance.
- 4 **CloudWatch** Alarms invoke the **Amazon EC2** Auto Scaling group's target tracking scaling policies to dynamically scale the group's number of **Amazon EC2** instances.

