EC2 Monitoring

* EC2 **status checks** are performed every minute and each returns a pass or a fail status.
* If all checks pass, the overall status of the instance is **OK.**
* If one or more checks fail, the overall status is **impaired.**
* **System status checks** detect (StatusCheckFailed\_System) problems with your instance that require **AWS** involvement to repair.
* **Instance status checks** (StatusCheckFailed\_Instance) detect problems that require **your** involvement to repair.
* **Status checks are built into Amazon EC2, so they cannot be disabled or deleted.**
* You can, however create or delete alarms that are triggered based on the result of the status checks.
* You can create [**Amazon CloudWatch**](https://digitalcloud.training/certification-training/aws-solutions-architect-associate/management-tools/amazon-cloudwatch/) alarms that monitor Amazon EC2 instances and automatically perform an action if the status check fails.

Actions can include:

* Recover the instance (only supported on specific instance types and can be used only with StatusCheckFailed\_System).
* Stop the instance (only applicable to EBS-backed volumes).
* Terminate the instance (cannot terminate if termination protection is enabled).
* Reboot the instance.

It is a best practice to use EC2 to reboot instance rather than the OS (create a CloudWatch record).

CloudWatch Monitoring frequency:

* Standard monitoring = 5 mins.
* Detailed monitoring = 1 min (chargeable).