**Status Checks:**

EC2 status checks are, simply, checks on the status of an individual instance and of the AWS systems hosting it. Status checks are available at one-minute intervals. They provide a clear, high-level indication of an instance’s health and whether there is a problem with either the larger AWS infrastructure or with the software or network configuration of the instance itself.

**System Status Checks:**

. The following are examples of problems that can cause system status checks to fail:

* Loss of network connectivity
* Loss of system power
* Software issues on the physical host
* Hardware issues on the physical host that impact network reachability

**CPU Monitoring:**

EC2 instance types have a wide range of vCPU configurations, so tracking CPU usage can help ensure that your instances are appropriately sized for your workload. Note that CloudWatch measures the percent utilization of the virtualized processing capacity of the instance, which AWS labels “compute units.” It does not report CPU usage of the underlying hardware that the instance is being hosted on. T2 instances are capable of bursting, or providing processing power above a standard baseline level for short periods of time.