

4.2 Metrics Summary and Metrics Types



Metrics can be submitted in 3 ways:

1. **Agent**
2. **DogStatsId** (which comes with the Agent)
3. **Datadog HTTP's API**

Metric Types

Datadog Agent performs the following actions:

1. **Collects data in specific time interval**
2. **Aggregate this data**
3. **Send this data to Datadog and it will be presented as single point in the graph**

Depends how those Aggregation is done we have different Metric Types.

1. **COUNT** - This host emits the following values in a flush time interval: [1,1,1,2,2,2,3,3]. Agent will submit single data point with 15 as a value.
2. **RATE** - This host emits the following values in a flush time interval: [1,1,1,2,2,2,3,3]. Agent will submit single data point with 1.5 as value.
3. **GAUGE** - This host emits the following values in a flush time interval: [71,71,71,71,71,71,71.5]. Agent will submit single data point with 71.5 as value.
4. **DISTRUBUTION** - The DISTRIBUTION metric submission type represents the global statistical distribution of a set of values calculated across your entire distributed infrastructure in one time interval.