CLOUD WATCH SERVICES:-

* Real time monitoring AWS services/resources
* Monitoring tools (alarm)

Yum install stress :- for instance jam

TYPES OF MONITORING CLOUDWATCH SERVICES:-

1. Basic monitoring (time interval) …CPU utilization, stress on server
2. Details monitoring (real time, monitoring, payable)

MAJOR RESOURCES:-

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1. Event
2. Alarm ……(condition based resources)

* EC2----50%-----stop
* Matrix------EC2 (cpu utilization)---🡪 fatch/connect -----🡪cloudwatch

1. In Alarm b) pushing/travelling/fetching/connecting time (insufficient data) c) ok
2. **Logs :-** logs helps you monitor, store and access your log files from amazon EC2 instances.

Log files :- it is a set of records that linux maintain for the administrators to keep track of important events.

1. Matrix monitoring ……(variable)

1. Collect metrics using the CloudWatch monitoring scripts.

Data point :- to represent variable monitoring

Types of metrics :-

Default matrix :-

Ec2(matrix) --🡪 fetch ----🡪 cloudwach

1. Customize matrix :-

Ec2(matrix) 🡪script🡪 manually fetch (crontab) 🡪 cloudwatch

Steps :-

1. Login with instance
2. Create role and add required service/permission
3. Attached role to instance
4. Copy link from documentation and install it in instances

Monitoring script :-

1. Copy that from documentation and install it
2. Unzip it
3. Cd aws-scripts-mon
4. Run first (./mon-get-instance-states .pl)
5. Run (./mon-put-instance-data.pl –mem-util ( enter cmd that yu want)
6. Save script in crontab for every second update the utilization

Matric:- it is a graphical representation of graph

Epel :- extra package limited

LOGS:- (uses☺)

* Activity 🡪 stored
* Running time activities
* Troubleshooting
* Centralized storage server
* Demon service :- rsyslog ( this cmd is use to see the logs )
* Rsyslogs & journalctl ( to check the logs)
* Location /var/log

TYPES OF LOGS:-

1. access log

* access process

1. error log

* error process will display

logs steps :- (scripting)

1. launch instance (add rule http port during launch instance)
2. open new tab and search cloudwatch agent ( see documentation amazon cloudwatch logs)
3. quick start: install and configure the cloudwatch logs agent on a
4. create roles (copy json script from documents and past during create role)
5. follow the doc
6. Python awslogs-agent-setup.py –region ap-south-1
7. Logger “test1” ( this cmd is use to create logs)

virtual machine ka migration lena hai ( virtual machine ka data EC2 instance me migrate karna hai)