**Deploying the CyPerf in AWS -CyPerf Application and two CyPerf Agents**

**Introduction**

This solution uses a CloudFormation Template to deploy CyPerf Application and two CyPerf Agents in an Amazon Virtual Private Cloud.

There is a new VPC template, meaning the entire necessary resources will be created from scratch, including VPC, subnets, route table, Internet Gateway, Nat-gateway etc.

Existing VPC template, meaning entire network resources like VPC, subnets, route tables, IGW, Nat-Gateway including Security group are pre-exists. User will be able to select existing VPC, subnet and security group during deployment.

See the Template Parameters Section for more details. Each agent has two interfaces. One is Management interface and other is Test interface. Agent communicate with Application using Management interface. CyPerf test traffic flows through Test interface. In this deployment first or default interface of Agent is set as test interface and second interface is set as management interface. So, in this deployment test traffic get exchanges between first interface of both the agents.

**Topology Diagram**

**Diagram

Description automatically generated**

**Prerequisites**

The following are prerequisites:

* Key pair for management access to CyPerf instances
* For existing VPC deployment, an existing VPC, two existing subnets in that VPC (one for test and one for Management) and existing security groups for CyPerf Application and CyPerf Agent.

**Supported instance types**

* For CyPerf Application, supported instance type c4.2xlarge.
* For CyPerf Agents, supported instance type c4.2xlarge and c5n.9xlarge.

**Template Parameters**

Please refer Deployment Guide chapter 6.

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