This is a tutorial for installing and running POAP on AWS.

-Setting up AWS account and EC2 instance

1. Create an AWS account
2. Create a EC2 instance. Make sure to make it a Linux instance as the startup script for the worker VMs is written for linux machines.
3. Create an SSH key for your instance
4. Edit the security group details for your EC2 instance. Allow incoming TCP connections to this instance. The port number is currently hardcoded to 44100, so make sure to adjust the port range in the security groups to allow your port number.

-Setting up EC2 instance

After connecting to your EC2 instance do the following
1. Install boto3
2. Configure your AWS credentials on your VM. The best way to do this is to use the AWS Command Line Interface (CLI).
3. Install Git on your VM
4. Clone the repository for the AWS POAP framework at https://github.com/Tommy-S/cloud_based_optimization_of_preemptible_vms
5. In the same folder as step 4, clone the repository for POAP at https://github.com/dbindel/POAP
6. Move the /poap folder from POAP to the cloud_based_optimization_of_preemptible_vms folder. More specifically, test_aws_execution.py has to be in the same folder as poap and poapextensions