

Serverless framework for high performance computing in the cloud

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Abstract

Serverless = light, no complicated configuration.

1 Introduction

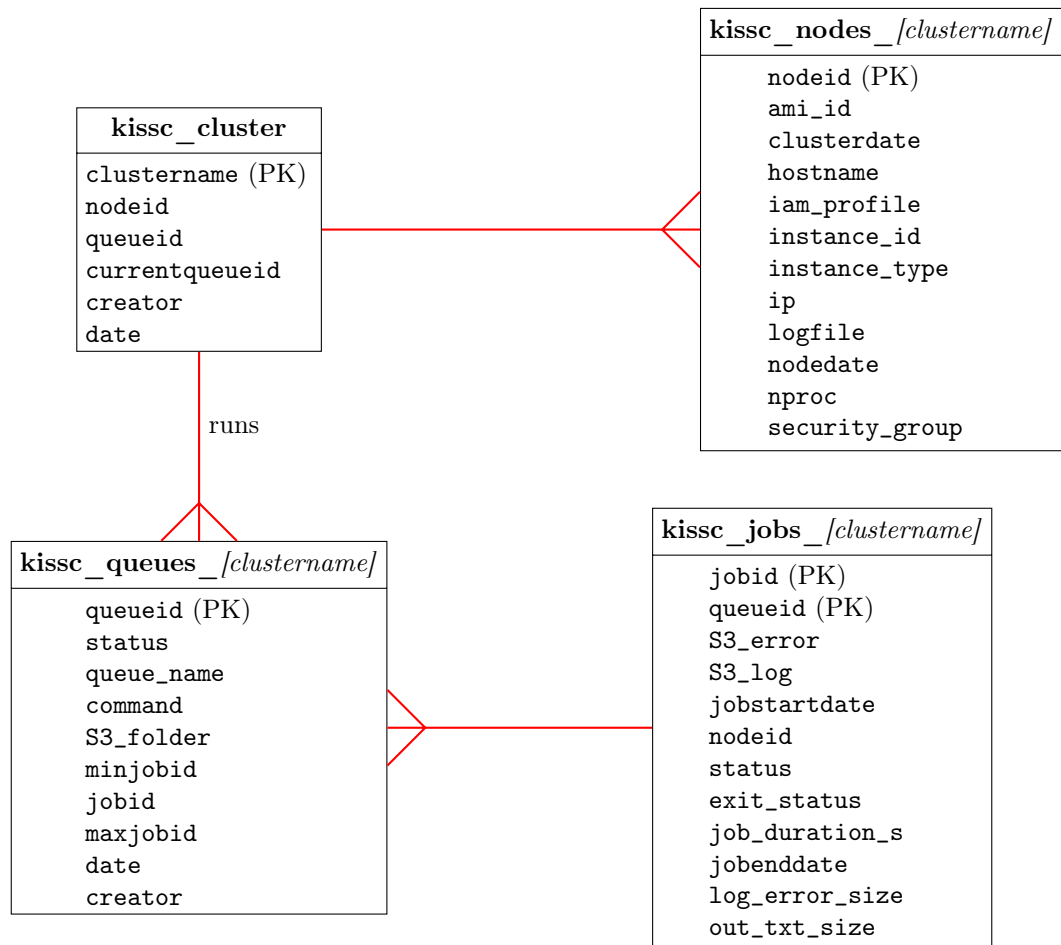
The goal of this paper is to present a new tool for managing large scale grid computing projects in the cloud that could be quickly picked up by everyone rather than spend several months learning complicated frameworks.

2 Usage

The step to execute a large scale project with the proposed framework are the following:

1. `create_simulation name run.sh`

- DynamoDB table `sim_counters` (create if not exist, zero the rows for this sim)
- DynamoDB table `sim_jobs_name` (drop if exists then create)
- S3 - create a bucket if not exist, create a **name** subfolder in the bucket
- Generate a `cloud-init` file



References