JobQueue Flow

Legend
- 🟢 Creates
- 🔴 Destroys

Express

CreateQueue called on server initialization

Controller

Worker pool contains workes wirth defined tasks. They execute these tasks on jobs in the JobQueue

JobQueue

JobQueue assings jobs to workers

Workers

Job removed from JobQueue

Job is added to JobQueue

Gets a reference to DB, NetworkService, SettingsService

Creates a JobQueue

CreateQueue

Creates a JobQueue

AddJob

DeleteJob

Database

NetworkService

SettingsService

Workers checks the DB for maintenance windows, if one exists and we are in the window, it does nothing.

Otherwise, it carries out it's task by calling NetwokrService

GetWorkerStats

New job is created

Job

ScaleWorkers

CreateWorker

Creates worker and adds to pool of workers

Checks for Maintenance Window in Database

Removes excess workers from pool and closes them