



Amazon
EC2 Spot Instance

Spot instances

Save up to 90% on CI/CD Workloads
with Amazon EC2 Spot Instances



- **Spot Instance**
 - Unused EC2 instance that is available for less price.
- **Spot price**
 - Price of a Spot Instance per hour
- **Spot Instance request**
 - Contains “capacity” (the requested resources)
 - Maximum price per hour that you are willing to pay
 - If capacity (instance) is available - the request is fulfilled
- **Spot Instance interruption**
 - When capacity is no longer available
 - EC2 provides a Spot Instance interruption notice
 - 2 minute warning before it is interrupted.
- **Available capacity**
 - If no capacity - the Spot Request continues to automatically tries to launch
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C3	1a	1b	1c	On Demand
8XL	\$0.50	\$0.27	\$0.29	\$1.76
4XL	\$0.21	\$0.30	\$0.16	\$0.88
2XL	\$0.08	\$0.07	\$0.08	\$0.44
XL	\$0.04	\$0.05	\$0.04	\$0.22
L	\$0.01	\$0.01	\$0.04	\$0.11

Each instance family

Each instance size

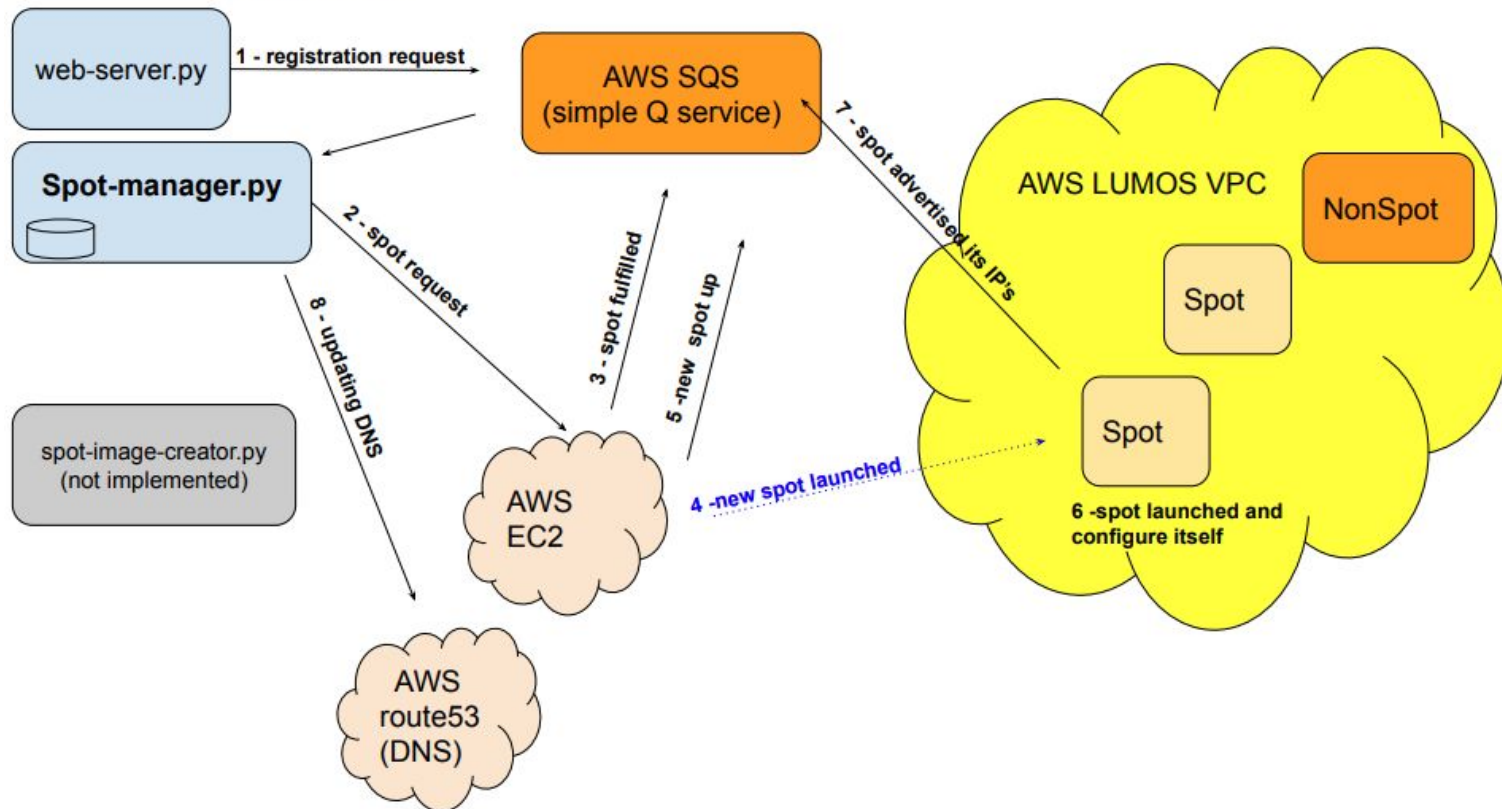
Each Availability Zone

In every region

Is a separate **Spot Market**

Web-server.py API's:

- http://localhost:5000/add?name=lms-chen&ns_record=lms-chen.lms.lumosglobal.com&price=0.05&ami=ami-04a9e867a6b73f809&type=m5a.large&sg=sg-056964e89bbf05266&subnet=subnet-03fb65f37827a8971
- <http://localhost:5000/instances>
- <http://localhost:5000/messages>



Project repo:

`git@github.com:chenchuk77/spot-manager.git`