

Boost Spot instances utilization with confidence

Challenge

Spot instances utilization is risky for most applications, with AWS interrupting Spot Instances with only 2 minutes' notice, while it takes on average 5 minutes to replace an instance.

Solution

Zesty's HiberScale™ technology enables Spot instance deployment in less than one minute. You can safely and automatically extend Spot instances coverage and unlock maximum savings, with no risk of app disruptions.

Benefits

Maximize savings

Avoid service disruptions

Eliminate manual effort

How it works

- 1 Zesty is granted IAM role access permission
- 2 Zesty installs a Kubernetes agent with a read-only permission
- 3 You connect your CUR to the Zesty agent, which starts collecting workload usage and pattern histories
- 4 You install the K8s scaler, which automatically creates a pool of hibernated nodes
- 5 The platform identifies Spot candidates' workloads and Zesty modifies Karpenter configuration so that the identified workloads run on Spot Instances
- 6 When AWS sends a 2-minute notification for a Spot instance termination, a hibernated node is re-activated within 30 seconds, and a new Spot instance is scheduled before the current Spot instance terminates.
- 7 At any moment you can migrate back your workload to On-Demand.

