

The proactive strategy uses predictive mechanisms to estimate the future workload and streamlines the surge by provisioning resource requirements. Spot instances have been a low cost alternative and the dynamic changes in the spot market based on the demand supply have forced autoscaling systems to be smarter. This means the scaling system must consider varied factors like calculating optimal bid price, choosing amongst heterogeneous resources and placing request in the appropriate time. The future work is to tackle such factors associating the proactive scaling strategy with spot instances.

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