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| **Scenario –Using AWS to autoscale webserver layer for Web and API requests when unexpected load is encountered, in addition to not using excessive capacity during the quieter periods** | |
| * Standard instance size is t2.medium * Minimum instances are 2 * Maximum instances are 10 * Cloudwatch Alarm – Healthy Host Count < 2 then add 2 instances * Scale Group Size – Average CPU Utilisation is 70% add an instance, but with a 3-minute warm up time to take into account spikes | |
| **Scenario – Time based scaling of webserver layer for when large campaigns are planned with enhanced capacity in place for certain time periods** | |
| * Standard instance size is t2.medium * Maximum instances are 10 * Recurrence is set to once, these will need to be configured each time. * Set the specified start time in UTC * The scaling will then need to be reset once the campaign is over | |
| Both scenarios will use the application load balancer, with the relevant security groups | Representing instances in EC2 and scaling are as follows |