**Description of Stack:**

* This template deploys highly available, secure, fault tolerant WordPress site into an existing VPC consisting of two public and two private subnets.
* This includes both the application and database resource separate both in 2 private subnets and 2 availability zones.
* This templated can be used for both development and production environments with development using less EC2 resources through Autoscaling options and not provisioning RDS in Multi-AZ mode. WordPress is automatically configured to use the database on start-up.
* Web Servers and RDS resources are in private subnets with NATGW access
* Elastic Load Balancer is in Public subnets with internet gateway access.
* A **Bastion host** with public IP **10.0.142.255** is in one of the Public Subnets of this VPC, use bastion to SSH to access the webservers.
* This template creates EC2 instances and related resources. You will be billed for
* the AWS resources used if you create a stack from this template.
* Test Environment can be created by using RDS Multi-AZ option false and EC2 Autoscaling to create less EC2 nodes.
* The Private Subnets are routed to internet through NAT GWs.
* The Public Subnets are routed to internet through Internet GWs.

**S3 URL of Master Cloudformation Template**

<https://s3-ap-southeast-2.amazonaws.com/wordpresssite-afaq/Master-Wordpress.yaml>

**Role ARN to run Cloudformation template**

arn:aws:iam::169894940861:role/cloudformationtos3-afaq

**Network Configuration Parameters**

* VPCID (Sydney) vpc-0690a8165c5c9cf2c
* VPCCIDR 10.0.0.0/16
* PrivateSubnet1ID subnet-0db022a853e81b69d (vpc-0690a8165c5c9cf2c)
* PrivateSubnet2ID subnet-0e801dbf0a9bbd311 (vpc-0690a8165c5c9cf2c)
* PublicSubnet1ID subnet-0fa82f14a41a0dd39 (vpc-0690a8165c5c9cf2c)
* PublicSubnet2ID subnet-09e347e8bccce05d6 (vpc-0690a8165c5c9cf2c)
* ALBAccessCIDR 0.0.0.0/0
* BastionSecurityGroupID sg-0e76a04d45457c412 (Sydney VPC vpc-0690a8165c5c9cf2c )

**Aurora Database Configuration Parameters**

* DBAutoMinorVersionUpgrade true/false
* DBBackupRetentionPeriod number of days (1-35)
* DBPreferredBackupWindow time HH:MM-HH:MM
* DBInstanceClass select from the list
* DBMasterUserPassword minimum 8 characters (small, capital and digit)
* DBMultiAZ true or false
* DatabaseName minimum 8 alphanumeric characters
* DatabaseMasterUsername minimum 8 characters (small, capital and digit)

**WordPress Webserver Configuration**

* WordpressAdminPassword minimum 8 characters (small, capital and digit)
* WebServerInstanceType select from the list
* WebServerInstanceMonitoring enabled or disabled
* KeyPairName AQ-AnsibleController-KeyPair
* WebServerMinSize 1 node
* WebServerMaxSize 12 nodes
* WebServerDesiredCapacity 1-12 nodes
* AutoScalingNotificationEmail any valid one

