

Experiment No: 5

Aim: To study and implement platform as in service using ANS Flastic Beanstalk service and Theory in the base who will be and the service of : Amazon AWS Flastic Benstalk (EBS) FOEBS is a cloud computing service provided by AWS that simplifies the management scaling of web applications as services Tit abstracts away the complexities of the infrastructure management dallowing developers to Focus on writing code while AWS handles provisioning , load balancing , auto-scaling and other operational tacks . whim 2813 (5 Key Featurdougindude instruction Defast development privalles anistros > Developers can simplify upload their application code os EBS automatically handles the deployment procession including provisioning Ethe necessary resources de desilyon de 2) Auto-scaling old . PBS gan automatically scale the number of Ecza instances based on application load, ensuring that the application of regregat of description

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Manitoring & Cotogging white of mil # EBS & provides Built Din & mon bring and logging capabilities, allowing developers to monitor application health and thoubleshoot sie's we · Amazan Aws Flostic Benefolk (EBS) habit stanguages | Frameworks haupported by EBS by Aws that simplifies the management 20 AWS Elastica Blansifalko supports on variety of gragadining danguages and Frameworks providing + some Flexibility form developers to deploy their application wing their technology stack 2) EBS provides support la fort Pocces container allowing developers to package there applications and dependencies into Doccor conteiners allowing travelapers ton package 3) Ruby applications sallows developers to develop Web applications built when niby on 2) Autr-senling 4) ho capplications are supported by EBC, enabling developered to deploy web applications written in the monapplications devitten web application by ao Language.



distribute incoming application traffic across multiple dangets such as Eco instances or lambda functions to ensure optimum performance pia vailability and faulit tolerance cotinithe applications Features Mindludes punto eximal (1. Distribution of incoming draffic das Di EliBu automatically distribute incoming application it raffice jacobes multiple targets balanced load not requests, l'ouron . hool notheritage whoolage is 2) Scalability > FBB gan quitomatically to scale its request handling i idepacity in response to reharges h 2 Tacoming traffice elleron 3) High Availabilty and to some this =) ELB enhances the availability of the applicable by automatically detecting unhealthy targets and remouting traffic to health targets. Comparison between EC2 and EBS



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