Don Bosco Institute of Technology(DBIT), Mumbai

Department of Information Technology



LAB JOURNAL

On

I.T/T.E/Sem V/ITL504 : AdvDevOps Lab

By

43 Ravi Pandey

Academic Year : Nov,2022 INDEX

Sr no	Exp No	Name of the experiment	Date
1.	1	To understand the benefits of Cloud Infrastructure and Setup AWS Cloud9 IDE, Launch AWS Cloud9 IDE and Perform Collaboration Demonstration	22/07/2022
2.	2	To Build Your Application using AWS CodeBuild and Deploy on S3 / SEBS using AWS CodePipeline, deploy Sample Application on EC2 instance using AWS CodeDeploy.	31/07/2022
3	5	To understand terraform lifecycle, core concepts/terminologies and install it on a Linux Machine.	20/08/2022
4	6	To Build, change, and destroy AWS / GCP /Microsoft Azure/ DigitalOcean infrastructure Using Terraform.	27/09/2022
5	7	To understand Static Analysis SAST process and learn to integrate Jenkins SAST to SonarQube/GitLab.	03/09/2022
6	8	Create a Jenkins CICD Pipeline with SonarQube / GitLab Integration to perform a static analysis of the code to detect bugs, code smells, and security vulnerabilities on a sample Web / Java / Python application	10/09/2022
7	9	To Understand Continuous monitoring and Installation and configuration of Nagios Core, Nagios Plugins and NRPE (Nagios Remote Plugin	17/09/2022

		Executor) on Linux Machine	
8	10	To perform Port, Service monitoring, Windows/Linux server monitoring using Nagios	24/09/2022
9	11	To understand AWS Lambda, its workflow, various functions and create your first Lambda functions using Python / Java / Nodejs	01/10/2022
10	12	To create a Lambda function which will log "An Image has been added" once you add an object to a specific bucket in S3.	08/10/2022