

**2-DAY WORKSHOP CONTENT ON CLOUD COMPUTING**

**DAY -1**

**SESSION 1: INTRODUCTION TO CLOUD COMPUTING**

**DEFINING CLOUD COMPUTING**

- ❖ COMPONENTS OF A COMPUTING CLOUD
- ❖ DIFFERENTIATING TYPES OF CLOUDS: PUBLIC, PRIVATE, HYBRID
- ❖ DELIVERING SERVICES FROM THE CLOUD
- ❖ CATEGORIZING SERVICE TYPES
- ❖ COMPARING VENDOR CLOUD PRODUCTS: AMAZON, GOOGLE, MICROSOFT, SALESFORCE AND OTHERS
- ❖ ADOPTING THE CLOUD

**INTRODUCTION TO CLOUD STORAGE SERVICE**

- ❖ AMAZON CLOUD DRIVE
- ❖ GOOGLE DRIVE
- ❖ DROPBOX

**SESSION 2: VIRTUALIZATION CONCEPTS**

- ❖ DEFINING VIRTUAL MACHINES (SERVERS AND WORKSTATIONS)
- ❖ ADVANTAGES OF DEPLOYING VMS
- ❖ VMWARE WORKSTATION

## **EXPLOITING SOFTWARE AS A SERVICE (SAAS)**

- ❖ CHARACTERIZING SAAS
- ❖ STREAMLINING ADMINISTRATION WITH CENTRALIZED INSTALLATION
- ❖ OPTIMIZING COST AND PERFORMANCE WITH SCALE ON DEMAND COMPARING SERVICE SCENARIOS
- ❖ IMPROVING COLLABORATION WITH BUSINESS PRODUCTIVITY TOOLS
- ❖ SIMPLIFYING BUSINESS PROCESS CREATION BY INTEGRATING EXISTING COMPONENTS
- ❖ DESCRIBING GMAIL, ZOHIO ETC.

## **SESSION 3: EXPLORING THE TECHNICAL FOUNDATION FOR PAAS**

- ❖ SPECIFYING THE COMPONENTS OF PAAS
- ❖ ANALYZING VENDOR PAAS PROVISIONS
- ❖ SELECTING AN APPROPRIATE IMPLEMENTATION
- ❖ BUILDING SERVICES WITH SOLUTION STACKS
- ❖ EVALUATING THE ARCHITECTURE OF VENDOR-SPECIFIC PLATFORMS.
- ❖ LIVE IMPLEMENTATION WITH SALESFORCE.

## **DEPLOYING INFRASTRUCTURE AS A SERVICE (IAAS)**

- ❖ ACCESSING IAAS
- ❖ PROVISIONING SERVERS ON DEMAND
- ❖ HANDLING DYNAMIC, ELASTIC IP AND STATIC IP ADDRESSES
- ❖ TOOLS AND SUPPORT FOR MANAGEMENT AND MONITORING
- ❖ ACCESSING AMAZON AWS MANAGEMENT CONSOLE
- ❖ RECOGNIZE AWS GLOBAL INFRASTRUCTURE
- ❖ SECURITY MAJORS

## **DAY - 2**

### **SESSION 1 : GETTING STARTED WITH AMAZON CLOUD**

#### **INTRODUCTION TO AWS**

- ❖ NAVIGATE THE AWS MANAGEMENT CONSOLE
- ❖ RECOGNIZE AWS GLOBAL INFRASTRUCTURE
- ❖ DESCRIBE THE SECURITY MEASURES AWS PROVIDES

#### **AWS STORAGE**

- ❖ IDENTIFY KEY AWS STORAGE OPTIONS
- ❖ CREATE AN AMAZON S3 BUCKET AND MANAGE ASSOCIATED OBJECTS

### **SESSION 2: COMPUTE SERVICES & NETWORKING**

- ❖ IDENTIFY THE DIFFERENT AWS COMPUTE AND NETWORKING OPTIONS
- ❖ CREATE AN AMAZON EC2 INSTANCE
- ❖ USE AMAZON EBS WITH AMAZON EC2
- ❖ DESCRIBE AMAZON IDENTITY AND ACCESS MANAGEMENT (IAM)

### **SESSION 3: INTRODUCTION TO SALESFORCE.COM**

- ❖ INTRODUCTION TO SALESFORCE.COM
- ❖ ESSENTIALS OF SALESFORCE.COM CRM AND FORCE.COM PLATFORMS
- ❖ SALESFORCE.COM CRM NAVIGATION & FUNCTIONALITY
- ❖ DATA MODELS ARCHITECTURE OF SALESFORCE.COM CRM
- ❖ INTRODUCTION TO APEX & VISUALFORCE

#### **SESSION 4:**

#### **QUERY AND DOUBT CLEARANCE SESSION**

- ❖ Q & A SESSION
- ❖ STUDENTS DOUBT CLEARANCE SESSION
- ❖ CAREERS IN CLOUD COMPUTING
- ❖ INDUSTRIAL EXPOSURE OF CLOUD COMPUTING INDUSTRY
- ❖ COMPETITION ON CLOUD COMPUTING.
- ❖ AWARDS & CERTIFICATES OF HONOUR TO WINNERS.
- ❖ CERTIFICATES OF APPRECIATION TO SELECTED PARTICIPANTS.
- ❖ CERTIFICATES OF PARTICIPATION TO ALL PARTICIPANTS.