



SPYPRO SECURITY SOLUTIONS Pvt. Ltd.,

C Y B E R S E C U R I T Y

5-Days Workshop on Cloud Computing (AWS with LINUX

windows server)

Cloud computing has revolutionized the IT industry by providing scalable and on-demand access to computing resources. This comprehensive **5-days workshop** offers participants a deep dive into cloud computing, with a focus on utilizing both Linux and Windows operating systems. Whether you are an IT professional, system administrator, or aspiring cloud engineer, this workshop will equip you with the knowledge and practical skills needed to effectively leverage cloud computing platforms

Topics to be covered in Cloud Computing (AWS with LINUX windows server)

Day 1: Introduction to Cloud Computing and Linux Basics

- Understanding cloud computing: concepts, benefits, and use cases
- Introduction to Linux operating system and its relevance in cloud computing
- Linux command line basics: navigating the file system, working with files and directories
- Managing users and permissions in Linux
- Introduction to virtualization and its role in cloud computing

Day 2: Cloud Computing with Linux

- Overview of Linux-based cloud platforms (e.g., Amazon Web Services, Google Cloud, Microsoft Azure)
- Setting up a Linux virtual machine on a cloud provider
- Configuring and securing the Linux virtual machine
- Deploying and managing applications on Linux-based cloud platforms
- Introduction to containerization with Docker and Kubernetes

Day 3: Introduction to Windows Server and Cloud Computing

- Introduction to Windows Server operating system and its role in cloud computing
- Setting up a Windows Server virtual machine on a cloud provider
- Configuring and securing the Windows Server virtual machine
- Introduction to Active Directory and user management in Windows Server
- Deploying and managing applications on Windows-based cloud platforms

Day 4: Hybrid Cloud and Cloud Storage

- Understanding hybrid cloud architecture and its benefits
- Connecting on-premises infrastructure with cloud platforms
- Configuring and managing hybrid cloud environments
- Introduction to cloud storage and its types (e.g., object storage, block storage)
- Working with cloud storage services (e.g., Amazon S3, Azure Blob Storage)

Day 5: Cloud Security and Management

- Overview of cloud security best practices and compliance frameworks
- Securing cloud resources: identity and access management, network security, encryption
- Monitoring and managing cloud resources
- Scaling and optimizing cloud infrastructure
- Introduction to serverless computing and its benefits

Duration: The duration of this workshop will be three consecutive days, with 6 hour session each day in a total of 30 hours properly divided into theory and hands on practicals sessions.

Certification Policy:

- Certificate of Merit for all the workshop participants from SmartBridge.
- At the end of this workshop, a small competition will be organized among the participating students and winners will be awarded with a '**Certificate of Excellence**'.
- Certificate of Coordination for the coordinators of the campus workshops
- **Internship and placement also provide for selected student..**

Eligibility: It's a basic level workshop so there are no prerequisites. Anyone interested, can join this workshop.

Pre-Requisites:

- Seminar hall/classroom having sitting capacity of 200 students for conducting hands on session for all the participants.
- Good Quality public address system ideally one/two cordless mikes will be required.
- Projector/ Screen along with black/white board for teaching and presentation purposes.
- One small stereo jack cord to connect in laptop for its sound system.
- Laptop/Computer per two students is necessary.
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Fee: Rs. 600/- (inclusive of all Taxes) per participant.

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Cyber Security | Ethical Hacking | Cyber Forensics | Projects & Training

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