



GETIN TECHNOLOGIES

KOVILPATTI (HEAD OFFICE) - 8925831826 | VIRUDHUNAGAR - 8925831828
| TIRUNELVELI- 8925831821 | TUTICORIN - 8925831824 | COIMBATORE -
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COURSE NAME: OPENSTACK TRAINING

[Visit our website for Course Fees and Course Duration](#)

Placement Eligibility:

Eligible: Any Bachelor Degree, Any Master Degree, MBA

Not Eligible: Diploma

Class Mode:

Classroom | Online | Recorded Session | AI Session

If you have Completed Course, You want only Placements

+91 8925831829

Training Partnership with



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Head Office Address: Door No: 971G/6, 1st Floor, Kalki Street, Manthithoppu Road,
Krishna Nagar, Kovilpatti - 628502.

GST No: 33ABAFG2025J1ZV **Website:** www.getintech.in **Email:** enquiry@getintech.in

OPENSTACK SYLLABUS

Introduction to OpenStack

- Overview of OpenStack and its components
- History and evolution of OpenStack
- Benefits of OpenStack

OpenStack Architecture

- Understanding the architecture of OpenStack
- Overview of the OpenStack services and their interactions
- OpenStack deployment models

OpenStack Installation and Configuration

- Preparing the environment for OpenStack installation
- Installation and configuration of OpenStack
- Creating virtual machines and images
- Configuring networking and storage

OpenStack Compute Service (Nova)

- Understanding the Nova architecture and components
- Launching and managing instances
- Nova Compute and Hypervisors
- Live migration of instances

OpenStack Networking Service (Neutron)

- Understanding the Neutron architecture and components
- Configuring virtual networks and subnets
- Setting up routers and gateways
- Configuring security groups

OpenStack Block Storage Service (Cinder)

- Understanding the Cinder architecture and components
- Creating and managing volumes
- Snapshot and backup management

OpenStack Object Storage Service (Swift)

- Understanding the Swift architecture and components
- Creating and managing containers and objects
- Managing data replication and distribution

OpenStack Image Service (Glance)

- Understanding the Glance architecture and components
- Creating and managing images
- Image formats and metadata

OpenStack Dashboard Service (Horizon)

- Understanding the Horizon architecture and components
- Managing OpenStack resources using the Dashboard
- Configuring users and roles

OpenStack Orchestration Service (Heat)

- Understanding the Heat architecture and components
- Creating and managing stacks
- Writing Heat templates

OpenStack High Availability (HA)

- Understanding the OpenStack HA architecture and components
- Configuring OpenStack for High Availability

OpenStack Troubleshooting and Maintenance

- Troubleshooting common OpenStack issues
- Performing maintenance tasks on OpenStack
- Best practices for OpenStack management