VERSION IT

Since 2001

24th ANNIVERSARY

Snowflake

Best Training And Placement Institute

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About Version IT

Version IT is not a mere software training institute, a team of IT professionals developed it as the best knowledge centre for hundreds of career-building conscious young people. Our training academy is the best training institute in Hyderabad offering various software courses with aptly placement orientation. We proudly announce that we achieved 100% placements in every batch we have taken up in the past two decades. Version IT Academy's strength is our academic excellence with which we have been placed in the top position among the software training institute in Hyderabad.

Corporate Training

Class Room Training

Online Training

Why Choose Us!

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Training By Certified Instuctors

Mock Interviews

Weekly Assignments

Project Training

Interview Cracking tips

Resume Preparation

Snowflake Course Curriculum

Introduction to Cloud

- Whatis Cloud?
- Different Cloud Vendors
- Advantages of Cloud over Traditional Databases

Data Warehousing Concepts

- What is a DataWarehouse?
- Database Vs Data Warehouse
- Why do we need a Data Warehouse?
- OLTP Vs OLAP
- What is ETL?

Introduction to Snowflake

- Supported CloudPlatforms
- Snowflake Architecture
- Cloud Service Layer
- Compute or Query processing Layer
- Storage Layer
- Snowflake Editions
- Setting up virtual warehouses

Connecting to Snowflake

- User Interface - snow sight
- SnowSQL (CLI Client)
- Using python

Time travel

- Introduction to Time Travel
- Configure Retention time property
- Query historical results
- Clone historical objects
- Restore the dropped objects

Fail Safe

- Introduction to Fail safe

- **Check fail safe storages consumption**
- **Fail safe storage charges**

Types of Tables in Snowflake

- **Different table types**
- **Permanent tables & databases**
- **Transient tables & databases**
- **Temporary tables & databases**

Micro-Partitioning in Snowflake

- **Partitioning in Traditional Data Warehouses**
- **Partitioning in Traditional Data Warehouses**
- **Advantages of Micro-Partitioning**
- **Structure of Micro-Partition**
- **Query Processing in Snowflake**

Data Loading and Unloading in Snowflake

- **File formats supported in Snowflake**
- **Creating file formats**
- **Types of data loading**
- **Limited data**
- **Bulk data**
- **Continuous data**
- **Limited data loading/unloading using Web Interface**
- **Bulk data loading/unloading from/to local file**
- **Bulk data loading/unloading from/to Amazon S3**
- **Bulk data loading from Microsoft Azure**
- **Bulk data loading from Google cloud**

Working with Semi-structured data in Snowflake

- **Creating stage & raw file**
- **Parsing JSON**
- **Handling nested data**
- **Dealing with hierarchy**
- **Insert final data**

Stages

- **What is a stage? Types of stages**

- ○ Table stages
- ○ User Stage
- **Named Stage**
- **Creating stages**
- **Data Loading/Unloading into/from stages**
- **Querying Data in Staged Files**
- **External stages**
  - ○ **AWS registration**
  - ○ **Bucket creation**
  - ○ **IAM policies**
  - ○ **Accessing bucket through outside**
  - ○ **Integrating AWS S3 to snowflake**
  - ○ **Loading files from S3 but to snowflake**

Snowflake Continuous Data Ingestion Service (Snowpipe)

- **Introduction to Snowpipe**
- **Load CSV data from S3 using Snowpipe**
- **Load JSON data from S3 using Snowpipe**
- **Snowpipe**

Sharing Data in Snowflake

- **Introduction to Data Sharing**
- **Data Providers**
- **Data Consumers**
- **INBOUND and OUTBOUND Shares**

Tasks in Snowflake – Scheduling Service

- **Introduction to Tasks**
- **Task tree**
- **Implement standalone task**
- **Check task history**

Snowflake Streams – Change Data Capture (CDC)

- **Introduction to streams**
- **Insert operation in streams**
- **Delete operation in streams**
- **Update operation in streams**

Zero Copy Cloning

- **Introductionto Zero Copy Cloning**
- **Clone Database, Pipes, Streams, Tasks & Stages**
- **Clone Schema and Tables**
- **DML changes in cloned table**
- **Cloning using Time Travel**
- **Swap the Tables**

SnowSQL

- **Downloading and installing SnowSQL**
- **Creating database, tables in SnowSQL**
- **Loading and unload data using**
- **SnowSQL**

Managing Your Snowflake Account

- **SystemUsage &Billing**
- **Understanding Snowflake Credit and Storage Usage**

Managing Security in Snowflake

- **System defined Userroles**
- **Custom roles**
- **Creating Users**
- **Creating Custom Roles**
- **Granting roles to users**
- **Data Encryption in Snowflake**
- **Data Encryption at customer side**

Snowflake Pricing

- **What are Snowflake Credits?**
- **Server less Features cost**
- **Storage Cost**
- **Check storage cost for different regions**
- **Virtual Warehouses – Compute Cost**
- **Cloud Services Cost**
- **Data Transfer Cost**
- **Check consumed CREDITS on your**
- **Account**

Caching in Snowflake

- **Cache introduction**
- **Types of Cache in Snowflake**

Views, Secure Views and Materialized views

- **Views in Snowflake**
- **Secure views in Snowflake**
- **Views vs. Secure Views**
- **Understand and create materialized views**
- **Refresh materialized views**
- **When to use materialized views**

Dynamic Data Masking

- **Understanding data masking**
- **Creating a masking policy**
- **Recreate and Unset Masking Policy**
- **Apply Masking policies on objects**
- **Alter Masking Policies**

Our Alumni Work At

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glance	Ford	EXL	Cigniti Software Quality Assured	zeta
goibibo.com	HCL	HDFC BANK We understand your world	ARTECH INTELLIGENCE IS HUMAN	Caliber
Myntra	Infosys	IBM	aprovesign	DQ Labs
Paytm	syngenta	Tech Mahindra	aspire SYSTEMS	FedEx
Convertcart	(expleo)	AllCloud	Sotiotech	ARTECH INTELLIGENCE IS HUMAN
MAXCOM	MENLO TECHNOLOGIES	QUALIZEAL	aspire SYSTEMS	FOCUS INFOTECH
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Our Other Courses

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Development Technologies

Java Full stack	Python Full stack	.Net Full stack
MERN	MEAN	React
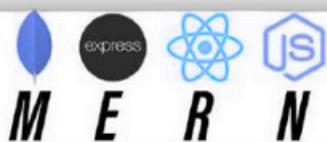
Cloud Technologies

aws	Azure	GCP
Dev Ops	Salesforce	servicenow

Triending Technologies

Data Science	Data Analytics	Cyber Security
Azure Data Engineer	Aws Data Engineer	GCP Data Engineer

Our Infrastructure

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Our Branches

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