



MIP Academy

*Your gateway to success with
MIP's training offerings*

Data lies at the heart of your organisation and its effective use is vital for operational efficiency and competitiveness.

That's why you've invested in a flexible, powerful data & analytics platform.

But the work doesn't stop when your solution goes live.

Business goals change and the value needed from software evolves over time.

This is why MIP offers a portfolio of training courses designed to support you throughout your data journey.

MIP Academy courses can be delivered in a format that suits your organisation.

The courses have been designed to ensure you are best positioned to extract the maximum value from your investment in analytics, business intelligence and data warehousing systems.



MIP Academy



Classroom



On site



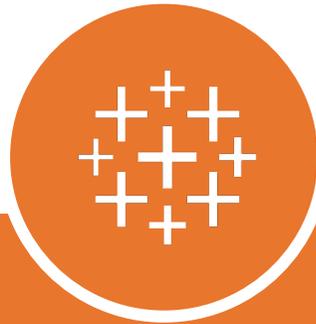
Online and
customised courses



Alteryx

Unify your analytic experience and break the barriers to faster insights

Alteryx Designer
Alteryx Advanced
Alteryx Server



Tableau

Helping people see and understand data

Tableau Creator
Tableau Intermediate
Tableau Advanced
Tableau Server
Visual Analytics Best Practices



WhereScape

Design, develop, deploy and operate data infrastructure fast

WhereScape Developer
WhereScape Advanced
WhereScape Administration
Data Vault Express



Snowflake

The data warehouse built for the cloud

Snowflake Overview & Architecture

How to use Snowflake

Snowflake

Learn the Snowflake products to take advantage of all the amazing features and functionality that the latest Snowflake releases have to offer.

MIP provides courses for new and intermediate Snowflake users.

The syllabus covers

- Snowflake Overview and Architecture
- How to use Snowflake

We start the learning process with an understanding of the architecture and features of Snowflake.

The second course gives you hands on usage of the Snowflake technology including understanding the web interface, administering objects, creating objects, querying tables and extracting data out of Snowflake.

The lessons are organised into modules that provide conceptual information, how-to steps, “follow me” - where the students follow the instructor using tutorials on each concept.

Each lesson is provided with the data and hands-on exercises covering all course content.

The end result is that you will understand the architecture and features of Snowflake as well as the ability to create, administer and query objects and to extract data out of Snowflake.



Snowflake Overview & Architecture

This course covers Snowflake overview and architecture

You will understand the concepts and how the various parts of Snowflake work together.

Snowflake's architecture is a hybrid of traditional shared-disk database architectures and shared-nothing database architectures.

Similar to shared-disk architectures, Snowflake uses a central data repository for persisted data that is accessible from all compute nodes in the data warehouse. But similar to shared-nothing architectures, Snowflake processes queries using MPP (massively parallel processing) compute clusters where each node in the cluster stores a portion of the entire data set locally.

This course provides you with an understanding of the data management simplicity of a shared-disk architecture, but with the performance and scale-out benefits of a shared-nothing architecture.

*Tell me,
I'll forget*

*Show me,
I'll remember*

*Let me do it
& I'll
understand*

AUDIENCE	Anyone who currently works with or manages data storage.
DURATION	Half day
VERSION	2018
PREREQUISITES	None

Snowflake Overview

- Data warehousing as a service
- Snowflake overview
- Multi clustered shared architecture
- Local region
- Availability zones
- ACID transaction properties
- Caching
- Snowflake editions
 - *Standard*
 - *Premier*
 - *Enterprise*
 - *Enterprise for sensitive data*
 - *Virtual private Snowflake*
- Connectivity
- Data import and export
- Data sharing
- Data lifecycle
- Continuous data protection
- Data encryption
- Parameters
- Data types
- SQL format models
- Object identifiers
- User-defined functions
- Information schema

Snowflake Architecture

- Data storage
- Compute layer
- Services layer

Virtual Warehouses in Snowflake

- Concept
- How to determine appropriate size
- Resizing or multi-clustered VW to fix
- Snowflake credits

Course Content

Databases and Querying

- Databases
- Accessing databases
- Accessing objects via roles
- Custom roles
- Querying

Data Loading

- Data loading
- Staging
- Load using SQL
- Load using web interface

Demonstration

- Create warehouse
- Create database
- Create schema
- Create table
- Load table – warehouse
- Load table – source files
- Load table – file format
- Load table – load options
- Load table – load results
- Query data – preview
- Query data – SQL query
- Query data – export results
- Query data – SQL script
- Query data – information schema
- Suspend warehouse
- Drop warehouse
- Drop table
- Drop schema
- Drop database

How to use Snowflake

This course covers the Snowflake user interface

Snowflake is an analytic data warehouse provided as Software-as-a-Service (SaaS). Snowflake provides a data warehouse that is faster, easier to use, and far more flexible than traditional data warehouse offerings.

Snowflake's data warehouse is not built on an existing database or "big data" software platform.

The Snowflake data warehouse uses a new SQL database engine with a unique architecture designed for the cloud.

To the user, Snowflake has many similarities to other enterprise data warehouses, but also has additional functionality and unique capabilities.

You will understand the concepts and how the various parts of Snowflake work together and how to create, administer and query Snowflake objects.

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DURATION	Half day
VERSION	2018
PREREQUISITES	None

Snowflake Overview and Architecture

- Industries
- Traditional data warehousing
- Data warehousing as a service
- Multi clustered shared architecture
 - *Data storage*
 - *Compute layer*
 - *Services layer*
- Local region and availability zones
- Cloning
- Time travel
- ACID transaction properties
- Caching
- Snowflake editions
- When not to use Snowflake
- Security and data protection
- Virtual warehouses in snowflake
- How to determine appropriate size
- Snowflake credits

Using Snowflake

- Snowflake UI

Users and Roles

- Accessing objects via roles
- Custom roles
- Follow me

Course Content

Database Creation

- Virtual warehouses
- Databases
- Follow me

Data Loading

- Overview
- Worksheet Stage and Load
- Snowpipe stage and load
- Snowflake UI load
- Transform data during load
- Follow me

Querying

- Query data - preview
- Follow me

Cloning

- Follow me

Finishing

- Suspend warehouse
- Drop warehouse
- Follow me

Why MIP Training?



Local training centres

Dedicated Australian-based training facilities focused on providing you with the absolute best training available.



Business understanding

Understanding both technical and business process drivers offers you a holistic approach to training.

Knowing how to apply technology to a business problem provides a better outcome than just understanding a bunch of product features.



Real world experience

MIP's trainers have real-world consulting experience and bring the skills and experience to the classroom. They know what works and how to get the best out of the technology.



MIP Australia

MIP is a data company. It has been a data company for over 26 years.

MIP provides technology, consulting, training and support to help our clients achieve the goal of building a self-service analytics framework.

We help our clients

- ✓ Connect to their data
- ✓ Analyse their data
- ✓ Visualise their data
- ✓ Persist their data

MIP brings market-leading technologies and the best data experts together to create innovative solutions for our clients right across Australia.

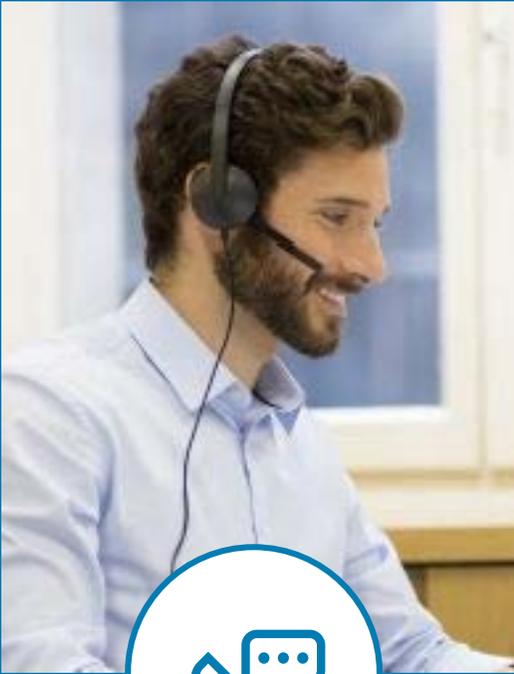
With offices in Sydney, Brisbane, Melbourne, and Darwin, the MIP team of experts can build analytics solutions that are tightly integrated with key business processes allowing our clients to maximise the value of their people, data and technology investments.

For more information, call MIP on 1800 737 126 or email info@mip.com.au

“Tell me and I forget, teach me and I may remember, involve me and I learn.”

– Xun Kuang





By phone

You can call MIP's training team on

1800 737 126



By email

Send MIP's training team a note to

info@mip.com.au



Online

Register online at

www.mip.com.au

See what MIP can do for you!
Visit mip.com.au for more information



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