

Formation - E&P Data Architecture and Big Data



DMARCHI-EN-D



Distanciel



3 jours

The data architecture describes how data is structured. It is composed of policies, rules or standards that govern how data is stored and organized. The main existing architectures - SQL, graphs, NoSQL databases- will be presented and compared. As the O&G industry has been one of the pioneers in using massive data (big data), data architecture has now to evolve to handle big data

Niveau

Découverte

Public

Professionals from all O&G disciplines who plan to have responsibilities in the data management domain

Objectifs

Attendees will be able to implement the following skills:

- Understand the various data bases architectures, with benefits/disadvantages
- Discuss architecture standards
- Identify and modify data architecture in their own company

Pédagogie & ressources techniques

Interactive lectures, case studies and exercises

Évaluation des acquis

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prérequis

No prerequisites are necessary to follow this course

Responsable

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Programme

INTRODUCTION TO DATA BASES ARCHITECTURE

TAXONOMY & ONTOLOGY, IMPORTANCE OF STANDARDIZATION

What is a well?

CFIHOS/JIP36 standardization project.

RELATIONAL DATABASES

ER diagrams.

SQL.

NOSQL DATABASES

GRAPH DATABASES

Cypher.

CONNECTION DATA TO BUSINESS

Data integration.

Data virtualization.

Data warehousing and BI tools.

IFP Training est référencé au DataDock. Rapprochez-vous de votre OPCO pour connaître les possibilités de financement de cette formation.

Pour vérifier l'accessibilité de cette formation à une personne en situation de handicap, contactez notre référent à l'adresse suivante : referent.handicap@ifptraining.com