

# Discovery Fundamentals

**Course Duration : 24 Hours**

**Course code : DF**

## 1. Course Overview

The Discovery Fundamentals course provides a foundational understanding of how automated discovery tools identify, map, and maintain accurate information about IT infrastructure and services. This course focuses on discovering hardware, software, applications, and dependencies across on-premises, cloud, and hybrid environments. Learners gain practical knowledge of discovery concepts, configuration, data validation, and best practices to support accurate asset and service management. Governance frameworks to reduce risk and improve operational efficiency.

## 2. What you'll learn?

- Fundamentals of IT discovery and service visibility
- Discovery architecture and components
- Identifying infrastructure, applications, and dependencies
- Data normalization and reconciliation concepts
- Validating and maintaining discovered data
- Using discovery data to support CMDB and IT operations

## 3. Target Audience

- IT Operations and Infrastructure Professionals
- CMDB Administrators and ITSM Practitioners
- System and Network Administrators
- Service Management and Asset Management Teams
- IT Professionals involved in service mapping and configuration management

## 4. Pre-Requisites

- Basic understanding of IT infrastructure (servers, networks, applications)
- Familiarity with IT service management concepts is beneficial
- No prior discovery tool experience required

## 5. Course Content (Modules)

### **Module 1: Introduction to Discovery Fundamentals**

- Overview of IT discovery
- Importance of accurate infrastructure visibility

### **Module 2: Discovery Architecture and Methods**

- Discovery types and techniques
- Credentials, protocols, and access methods

### **Module 3: Infrastructure and Application Discovery**

- Discovering servers, networks, and cloud resources
- Application and dependency mapping basics

### **Module 4: Data Validation and Reconciliation**

- Data accuracy and normalization
- Reconciliation rules and best practices

### **Module 5: Using Discovery Data for IT Operations**

- Supporting CMDB and ITSM processes
- Ongoing maintenance and optimization