

About

This certification ensures that xDI developers are at an appropriate level of product knowledge and comprehension.

To pass the exam, individuals must be familiar with data integration concepts, xDI architecture and can perform development, installation, configuration and deployment of the xDI components: Designer, Runtime and Analytics. Know how to Reverse Metadata, create Mappings and build and run Processes.

Target Audience

- Developers
- Data Experts
- Integration Specialists

Timing

7 hours

Prerequisites

Knowledge & Skills

- Completion of the xDI Development training course: **Fundamentals ; Hierarchical Files and Web Services ; Deployment & Analytics**
- Participated in Semarchy xDI projects with a minimum of 6 months experience (or equivalent)

Technical Requirements

- computer with internet access
- mouse
- webcam

Program

1

Evaluation of theoretical knowledge of xDI software

- a. Theoretical questions to measure your understanding of xDI
- b. Individual face-to-face correction, and discussion to validate understanding

2

Evaluation of the practical use of xDI software

- c. Practical exercises based on the fundamentals
- d. Individual face-to-face correction for :
 - Identify and correct errors
 - Provide any additional information for mastering the topics assessed

It is recommended to **have Semarchy xDI Designer and Semarchy xDI Analytics installed before starting the certification.**

During the review and/or pre-installation period, it is possible to request a license.

Timetable

8:45 am

- Welcome on Semarchy Academy Platform
- Introduction: candidates log using the supplied Google Meet and received by email (excel QCM, PDF instructions for the practical part and Semarchy xDI workspace).

9:00 to 9:45 am

Multiple-Choice Questionnaire (MCQ) : During the MCQ part and the practical exercises, candidates need to be in the Google Meet session (an invitation will be sent). Their camera and computer microphone must be switched on. This is necessary to ensure the most reliable monitoring process possible. Candidates without sound or camera will not be eligible to take the certification.

9:45am to 10:00am

Collection of the Multiple-Choice Questionnaire from each candidate.

10:00 am to 1:30 pm

Practical part: Candidates perform the practical part.

1:30 pm to 1:35 pm

Once the practical part is finished, each candidate gives access to their computer in order to allow the examiner to recover each Workspace, and to delete all the certification elements.

1:35 pm to 2:35 pm

Lunch break

From 2:35 pm

Exam: Each candidate will present in turn their practical achievements from the Workspace which will be opened by the examiner. The maximum duration per person is 30 minutes.

NB: During this interview, only the examiner and the candidate are present.

What should I review?

The certification exam will be done on the latest xDI version available at the time of the test.

In order to pass the xDI level 1 certification, you will need to :

- Know how to install xDI Designer, xDI Runtime, xDI Analytics, xDI License Server and xDI Templates
- Know the elements of the xDI architecture and know how to use xDI Designer, xDI Analytics and xDI Runtime
- Know how to « reverse engineer » or build the main types of metadata (including using the Helper): DBMS, flat files, hierarchical files, XML files, JSON files, Web Services, Mails
- Know how the main templates provided by xDI work
- Know all the substitution syntaxes available in xDI
- Know how to build mappings by controlling the location of actions and with joins (all types):
 - simple filters and aggregated filters
 - several sources to merge
 - several targets to integrate
 - transformations to be applied during the mapping
 - aggregations to be applied
 - management of rejections and conditions
 - flat files, XML or JSON targets to integrate with sorting
 - creation of indexes on intermediate tables
- Know how to create processes with :
 - chaining of actions or Mappings
 - use of the main actions of the process palette
 - all types of links between actions, mappings and sub-processes
 - use of parameters, action variables and session variables
 - use of basic XPath function calls to manipulate metadata
 - use of simple rhino « Scripting » and retrieval/publication of parameters/variables.