



Developing Applications in IBM Datacap V9.1.7

WF318G (Classroom) (Self-paced)

Course description

This course provides technical professionals with the skills that are needed to build Datacap applications.

The course begins with an introduction to IBM Datacap. You learn about capture concepts, Datacap process, page identification methods, and architecture. You process batches for Datacap applications in the Datacap clients.

You learn about the design and components of a Datacap application. You build a Datacap application by using Forms Template in Datacap Studio and configure it. You learn how to troubleshoot a Datacap application. You configure a Datacap application to process documents of multiple page types in a single batch. You implement OCR and OMR to extract data from data fields and from multiple choice check boxes. You export data to a text file and also to an IBM FileNet Content Manager repository.

You build page layouts, create virtual page blocks, and extract data from tables and label-value pairs.

Through instructor-led presentations and hands-on lab exercises, you learn about the core features of IBM Datacap.

For information about other related courses, see the IBM Training website:

ibm.com/training

General information

Delivery method

Classroom or self-paced virtual classroom (SPVC)

Course level

ERC 1.0



Product and version

IBM Datacap V9.1.7

Audience

This course is intended for application developers of IBM Datacap.

Learning objectives

After completing this course, you should be able to:

- Describe capture concepts and Datacap
- Identify the tasks in Datacap process
- Describe the Datacap recognition methods that are used for scanned images
- Understand Datacap architecture
- Process batches in the Datacap clients
- Identify the application development features in Datacap Studio
- Describe the Datacap application design concepts
- Build a Datacap application with Forms Template
- Configure rulesets for a Datacap application
- Examine the logs files for debugging
- Troubleshoot the applications in the Datacap Studio Test tab
- Build an application for processing multiple page types in a batch
- Configure an application for recognition with OMR
- Export data and scanned documents to a FileNet Content Manager repository
- Configure a Datacap application to create page layouts
- Create a virtual page block
- Extract data from tables and label-value pairs

Prerequisites

- Familiarity with data capture concepts

Duration

4 days

Skill level

Intermediate

Notes

The following unit and exercise durations are estimates, and might not reflect every class experience. If the course is customized or abbreviated, the duration of unchanged units will probably increase.

This course replaces the following previous courses:

- IBM Datacap 9.0.1: Introduction (F251G)
- IBM Datacap 9.0.1: FastDoc Server Mode (F253G)
- IBM Datacap 9.0.1: FastDoc Multi-Page Document (F254G)
- IBM Datacap 9.0.1: Datacap Studio (F255G)
- IBM Datacap 9.0.1: Application Builder (WF261G/ZF261G)

Course agenda

Course introduction

Duration: 15 minutes

Unit 1. Introducing IBM Datacap

Duration: 1 hour and 30 minutes

Overview	This unit introduces core concepts of capture and Datacap.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Describe capture concepts and Datacap• Identify the tasks in Datacap process• Understand Datacap architecture• Identify Datacap service components

Unit 2. Introducing Datacap clients for processing batches

Duration: 30 minutes

Overview	This unit introduces the Datacap clients for processing batches.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Identify the functions of Datacap Desktop client• Identify the functions of Datacap Navigator client

Exercise 1. Processing Datacap batches

Duration: 1 hour and 45 minutes

Overview	In this exercise, you learn how to process batches in the Datacap clients.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Process a batch in Datacap Desktop• Process a batch in Datacap Navigator

Unit 3. Introducing Datacap Studio and application design

Duration: 1 hour and 30 minutes

Overview	This unit introduces the development environment Datacap Studio and describes the Datacap application design principles.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Identify the application development features in Datacap Studio• Describe the Datacap application design concepts

Unit 4. Building a Datacap application with Forms Template

Duration: 45 minutes

Overview	In this unit, you learn how to build a Datacap application with Forms Template in Datacap Studio.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Describe how to create a Datacap application with Forms Template• Learn the application configuration in IBM Content Navigator• Identify the application settings in Datacap Application Manager• Describe document hierarchy• Learn about the fingerprints and zones configuration

Exercise 2. Building a Datacap application with Forms Template

Duration: 2 hours

Overview	In this exercise, you build a Datacap application with Forms Template in Datacap Studio.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Create an application with Forms Template• Configure the application in IBM Content Navigator• Edit the application settings in Datacap Application Manager• Define document hierarchy• Configure fingerprints and zones

Unit 5. Configuring rulesets for a Datacap application

Duration: 45 minutes

Overview	In this unit, you learn how to add rulesets to a Datacap application, associate them with task profiles, and test the application.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Learn how to add rulesets to a Datacap application• Describe the role of task profiles• Learn how to test the application in Datacap Studio

Exercise 3. Configuring rulesets for a Datacap application

Duration: 2 hours

Overview	This exercise teaches how to configure rulesets for a Datacap application in Datacap Studio, associate them with task profiles, and test the application.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Create rulesets• Assign the rulesets to task profiles• Test the application

Unit 6. Troubleshooting a Datacap application**Duration: 30 minutes**

Overview	In this unit, you learn how to examine the logs files and troubleshoot the applications in the Datacap Studio.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Examine the logs files for Datacap applications• Learn how to troubleshoot the applications in the Datacap Studio

Exercise 4. Troubleshooting a Datacap application**Duration: 1 hour**

Overview	In this exercise, you become familiar with the log files and the troubleshooting capabilities in Datacap Studio for application development.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Examine the logs files for debugging• Troubleshoot the applications in the Datacap Studio Test tab

Unit 7. Building an application to process multiple page types**Duration: 40 minutes**

Overview	This unit describes how to build a Datacap application for processing multiple documents of different page types in a single batch.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Describe how to create an application by using an existing application• Learn how to configure the application in IBM Content Navigator• Identify the document hierarchy objects• Learn how to configure rulesets• Describe how to configure fingerprinting and zones

Exercise 5. Building an application to process multiple page types**Duration: 2 hours and 15 minutes**

Overview	In this exercise, you learn how to build a Datacap application for processing multiple documents of different page types in a single batch.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Create an application by using an existing application• Configure the application in IBM Content Navigator• Define document hierarchy and configure rulesets• Configure fingerprinting and zones

Unit 8. Configuring an application for recognition with OMR
Duration: 30 minutes

Overview	This unit teaches how to configure your application for OMR recognition and identify the batch results output.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Learn how to configure the application for recognition with OMR• Identify the batch results output

Exercise 6. Configuring an application for recognition with OMR
Duration: 1 hour and 30 minutes

Overview	This exercise teaches how to implement the OMR capability in a Datacap application to extract field values from multiple choice check boxes.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Configure OMR for a Datacap application• Test the application

Unit 9. Exporting data to a FileNet Content Manager repository
Duration: 30 minutes

Overview	This unit teaches how to configure the Datacap application to export scanned documents and data to a FileNet Content Manager repository.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Learn how to export data and documents to a FileNet Content Manager repository• Describe how to verify the exported documents

Exercise 7. Exporting data to a FileNet Content Manager repository
Duration: 1 hour and 15 minutes

Overview	This exercise teaches how to configure a Datacap application to export scanned documents and data to a FileNet Content Manager repository.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Export data and documents to a FileNet Content Manager repository• Verify the exported documents

Unit 10. Creating page layouts
Duration: 20 minutes

Overview	In this unit, you learn how to create page layouts. The layout file groups text into blocks as a person would look at the document. Each block might have the default type of block or a specific type such as title or table.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Describe Datacap Insight Edition concepts• Learn how to create page layouts

Exercise 8. Creating page layouts
Duration: 1 hour

Overview	In this exercise, you learn how to build page layouts, test the application, and verify the layout XML file.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Configure a Datacap application to create page layouts• Test the application and verify the layout XML file

Unit 11. Creating a virtual page block and extracting data from tables
Duration: 30 minutes

Overview	In this unit, you learn how to create a virtual page block and extract data from tables.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Describe how to create a virtual page block• Learn how to configure data extraction from tables

Exercise 9. Creating a virtual page block and extracting data from tables
Duration: 2 hours

Overview	In this exercise, you configure rulesets to create a virtual page block and extract data from a table, and verify the results.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Create a virtual page block• Extract data from a table• Test the application and verify the extracted data from the table

Unit 12. Extracting data from label-value pairs
Duration: 30 minutes

Overview	This unit explains how to extract values from label-value pairs.
Learning objectives	After completing this unit, you should be able to: <ul style="list-style-type: none">• Learn how to configure the Datacap application for data extraction from label-value pairs

Exercise 10. Extracting data from label-value pairs
Duration: 1 hour and 30 minutes

Overview	In this exercise, you configure rulesets to extract values from label-value pairs, test the application, and verify the results.
Learning objectives	After completing this exercise, you should be able to: <ul style="list-style-type: none">• Extract data from label-value pairs• Test the application and verify the extracted data

For more information

To learn more about this course and other related offerings, and to schedule training, see ibm.com/training

To learn more about validating your technical skills with IBM certification, see ibm.com/certify