**Reporting with IBM Business Process Manager Standard V8.5**

5300_IBMpos

**WB811 (Classroom)**

**ZB811 (Self-paced)**

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Course description

This course teaches proven methods for developing reports and scoreboards from process performance data in IBM Business Process Manager Standard V8.5.

IBM Business Process Manager is a comprehensive BPM product that can provide you with the necessary visibility and insight to effectively manage the business processes of your organization. This course focuses on the Standard configuration of IBM Business Process Manager.

The course begins by describing various process and business data perspectives and uses. You learn how to set up tracking points, tracking groups, and timing intervals to focus on specific business data that provides process owners with visibility for process tasks. Process visibility is extended to managers and executives by including reports that show real-time productivity and historical performance trends. You also learn how to retrieve data from the Performance Data Warehouse in IBM Business Process Manager to capture performance information.

In hands-on exercises throughout the course, you develop reports that are based on process performance data.

The lab environment for this course uses the Windows operating system.

For information about other related courses, visit 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 Business Process Manager Express version 8.5

IBM Business Process Manager Standard version 8.5

Audience

This course is designed for process application developers who have experience with implementing IBM Business Process Manager V8.5. The course is also relevant for other project team members who are involved in the design, architecture, and building of complex process applications.

Learning objectives

After completing this course, you should be able to:

* Explain the architecture for a typical IBM Business Process Manager deployment
* Create business objects that are optimized for use inside a business process diagram
* Identify and track critical business data inside a business process diagram, and describe the database schema to extract the data for business reports
* Design and create custom reports and scoreboards to provide process visibility for multiple stakeholders and users across an organization

Prerequisites

Before taking this course, you should:

* Successfully complete course WB808, VB808, or ZB808, *Process Implementing with IBM Business Process Manager Standard V8.5 – I*
* Build and deploy at least one IBM Business Process Manager process application release into production

Duration

2 days

Skill level

Intermediate

Classroom (ILT) setup requirements

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| Processor | Intel core i7-3630QM processor or faster |
| GB RAM | 8.0 |
| GB free disk space | 120 |
| Network requirements | Required |
| Other requirements | None |

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.

Course agenda

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| Course introduction  Duration: 30 minutes |

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| Unit 1. Data perspectives and use  Duration: 2 hours | |
| Overview | This unit is an overview of business and process data, and explains how four distinct groups view the data. It also covers the data storage architecture for IBM Business Process Manager. |
| Learning objectives | After completing this unit, you should be able to:   * List and describe the four views of data * Compare and contrast business and process data * Explain the data storage architecture for IBM Business Process Manager |

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| Unit 2. Tracking data in IBM Business Process Manager  Duration: 4 hours | |
| Overview | In this unit, you learn how business process definition tracking points, tracking groups, timing intervals, and auto-tracking capture business data. This data is stored in the Performance Data Warehouse database tables and views. From there, it is used to build reports that are based on definitions that are sent to the Performance Data Warehouse from each process instance. |
| Learning objectives | After completing this unit, you should be able to:   * Describe how auto-tracking works in a business process definition * Describe tracking groups and timing intervals * Explain how tracking groups, tracking points, and timing intervals work to capture specific business process data * Describe the data that is stored in the Performance Data Warehouse database tables |

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| Exercise 1. Creating tracking groups in a business process definition  Duration: 1 hour and 15 minutes | |
| Overview | In this exercise, you learn how to include tracking groups and timing intervals into a business process definition to capture and store specific process data. |
| Learning objectives | After completing this exercise, you should be able to:   * Add tracking groups and timing intervals to a business process definition * Use tracking groups and timing intervals to capture specific process data |

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| Unit 3. Reports and scoreboards  Duration: 2 hours | |
| Overview | This unit explains how to create ad hoc reports in the IBM Business Process Manager process portal. It also covers Process Designer custom reports and scoreboards. |
| Learning objectives | After completing this unit, you should be able to:   * Explain the major components of the Process Portal * Explain how ad hoc reports are built in the dashboard section of the Process Portal * Create customized ad hoc reports in the Process Portal * Use ad hoc reports in the Process Portal to show individual and team process performance * Create ad hoc reports, custom reports, and scoreboards in the Process Designer |

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| Exercise 2. Creating an ad hoc report  Duration: 45 minutes | |
| Overview | In this exercise, you learn how to create an ad hoc report in the Process Portal, and use it to view user or team process performance data. |
| Learning objectives | After completing this exercise, you should be able to:   * Create an ad hoc report in the Process Portal * View process performance data that is based on report criteria |

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| Exercise 3. Creating a custom report  Duration: 1 hour and 30 minutes | |
| Overview | In this exercise, you learn how to create a custom report in the Process Designer by using the custom report wizard and the report configuration pages. |
| Learning objectives | After completing this exercise, you should be able to:   * Create a custom ad hoc report in IBM Business Process Manager Designer * View process performance data that is based on report criteria in a scoreboard in Process Portal |

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| Unit 4. Advanced custom reports  Duration: 2 hours | |
| Overview | In this unit, you learn how to create custom reports that provide more control of y- and x-axis data views. These custom reports are presented with coach views layouts and data services, such as Ajax. The unit also covers dashboards, which are multiple reports that are displayed in the same coach and provide vital real-time data to a user. |
| Learning objectives | After completing this unit, you should be able to:   * Create a custom report in a coach * Create a dashboard in a coach * Explain the relationship between coaches and chart coach view controls * Explain how to configure a coach report with chart coach view controls * Explain how to use the JSAPI search function |

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| Exercise 4. Creating a coach custom report with coach views  Duration: 1 hour and 30 minutes | |
| Overview | In this exercise, you configure a coach report that contains data that is retrieved with a data service and two chart coach view controls. |
| Learning objectives | After completing this exercise, you should be able to:   * Create a custom report in a coach |

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| Unit 5. Course summary  Duration: 30 minutes | |
| Overview | This unit summarizes the course and provides information for future study. |
| Learning objectives | After completing this unit, you should be able to:   * Explain how the course met its learning objectives * Access the IBM Training website * Identify other IBM Training courses that are related to this topic * Locate appropriate resources for further study |

For more information

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

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

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