

DP-700: Implementing Data Engineering Solutions Using Microsoft Fabric
January 2025

| | Implement and manage an analytics solution (30–35%) | Included in DP-600 exam? |
|----|---|--------------------------------|
| | Configure Microsoft Fabric workspace settings | |
| 1 | Configure Spark workspace settings | |
| 2 | Configure domain workspace settings | |
| 3 | Configure OneLake workspace settings | |
| 4 | Configure data workflow workspace settings | |
| | Implement lifecycle management in Fabric | |
| 5 | Configure version control | Yes |
| 6 | Implement database projects | |
| 7 | Create and configure deployment pipelines | Yes |
| | Configure security and governance | |
| 8 | Implement workspace-level access controls | Yes |
| 9 | Implement item-level access controls | Yes |
| 10 | Implement row-level, column-level, object-level, and file-level access controls | Yes |
| 11 | Implement dynamic data masking | |
| 12 | Apply sensitivity labels to items | Yes |
| 13 | Endorse items | Yes |
| | Orchestrate processes | |
| 14 | Choose between a pipeline and a notebook | |
| 15 | Design and implement schedules and event-based triggers | |
| 16 | Implement orchestration patterns with notebooks and pipelines, including parameters and dynamic expressions | |
| | Ingest and transform data (30–35%) | |
| | Design and implement loading patterns | |
| 17 | Design and implement full and incremental data loads | |
| 18 | Prepare data for loading into a dimensional model | |
| 19 | Design and implement a loading pattern for streaming data | |
| | Ingest and transform batch data | |
| 20 | Choose an appropriate data store | Yes |
| 21 | Choose between dataflows, notebooks, and T-SQL for data transformation | Yes |
| 22 | Create and manage shortcuts to data | |
| 23 | Implement mirroring | |
| 24 | Ingest data by using pipelines | Yes |
| 25 | Transform data by using PySpark, SQL, and KQL | Yes, for SQL/KQL |
| 26 | Denormalize data | Yes |
| 27 | Group and aggregate data | Yes |
| 28 | Handle duplicate, missing, and late-arriving data | Yes, for duplicate and missing |

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| | Ingest and transform streaming data | |
| 29 | Choose an appropriate streaming engine | |
| 30 | Process data by using eventstreams | |
| 31 | Process data by using Spark structured streaming | |
| 32 | Process data by using KQL | |
| 33 | Create windowing functions | |
| | Monitor and optimize an analytics solution (30–35%) | |
| | Monitor Fabric items | |
| 34 | Monitor data ingestion | |
| 35 | Monitor data transformation | |
| 36 | Monitor semantic model refresh | |
| 37 | Configure alerts | |
| | Identify and resolve errors | |
| 38 | Identify and resolve pipeline errors | |
| 39 | Identify and resolve dataflow errors | |
| 40 | Identify and resolve notebook errors | |
| 41 | Identify and resolve eventhouse errors | |
| 42 | Identify and resolve eventstream errors | |
| 43 | Identify and resolve T-SQL errors | Yes |
| | Optimize performance | |
| 44 | Optimize a lakehouse table | |
| 45 | Optimize a pipeline | |
| 46 | Optimize a data warehouse | |
| 47 | Optimize eventstreams and eventhouses | |
| 48 | Optimize Spark performance | |
| 49 | Optimize query performance | Yes |