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# Data Platforms – Course Agenda

## Overview

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Data platforms are required to present a single, performant and understandable copy of organisational data that is optimised for reporting and analytics. Without a designated and well-designed data platform many copies of data will abound and, consequently, many differing versions of “the truth” may be published. This is a well-documented headache for all but the smallest of organisations.

This workshop covers the rationale for data platforms, data platform types, typical architecture patterns, metadata, governance, and support.

## Learning Outcomes

At the end of this course delegates should be able to:

- Understand:
    - Why to build a data platform
    - Different Data Platform types
    - Generic data platform architectures
    - The importance and use of metadata
    - Understand typical governance & support models
  - Recognise common mistakes
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# Data Platforms – DW-100

## Half Day Course – Example Agenda



| #  | Topic   |
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| 1. | <b>Background Concepts</b> <ul style="list-style-type: none"><li>• Data ecosystem</li><li>• Types of Reporting</li><li>• Data Architecture &amp; Platform definition</li><li>• Rationale</li></ul>  |
| 2. | <b>Data Platform Types</b> <ul style="list-style-type: none"><li>• Data Warehouses</li><li>• Data Lakes</li><li>• In memory and virtual options</li></ul>   |
| 3. | <b>Generic Architecture</b> <ul style="list-style-type: none"><li>• Overall Architecture<ul style="list-style-type: none"><li>– Sources</li><li>– Extraction</li><li>– Integration &amp; Transformation</li><li>– Presentation Layer</li><li>– Analytics &amp; Reporting</li><li>– Metadata</li></ul></li></ul> |
| 4. | <b>Governance &amp; Support</b> <ul style="list-style-type: none"><li>• Typical Governance &amp; support models</li><li>• Standards</li></ul>   |
| 5. | <b>Common mistakes and references</b>   |
| 6. | <b>Summary and Close</b>  |