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MSA, PMOC, PMP®, PRINCE®, PSE-ITSM®, CS, ITIL®, MCP®, MCD



لا تنسى الاشتراك في قناتنا على اليوتيوب ومشاركة القناة مع اصدقائك
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لا تنسونا من دعائكم وادعو لوالدي بالرحمة

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C# & Database Connectivity



ADO.NET

Components of ADO.NET

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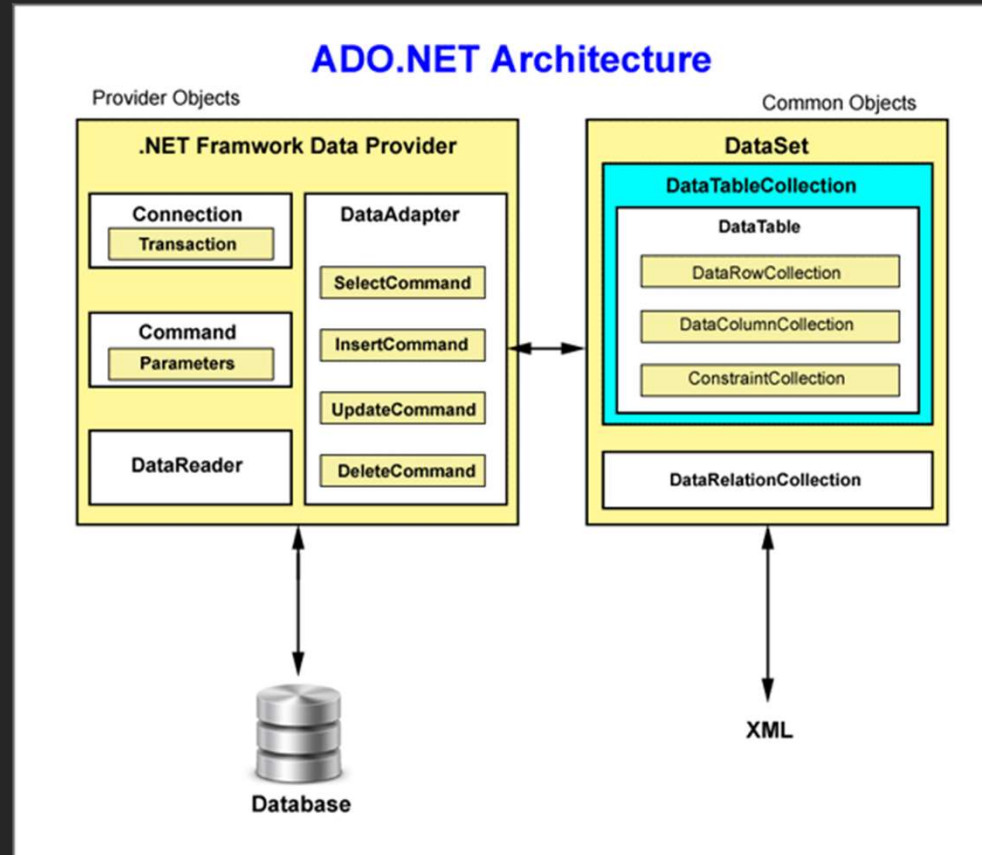
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The main components of ADO.NET are:



The main components of ADO.NET are:

- **Connection:** Represents a connection to a data source, such as a database. It provides methods to establish a connection, manage transactions, and execute commands.
- **Command:** Represents a query or a stored procedure that is executed against a data source. It provides methods to execute the command and retrieve the results.
- **DataReader:** Provides a fast, forward-only, read-only stream of data from a data source. It is used for retrieving large amounts of data efficiently and quickly.
- **DataAdapter:** Acts as a bridge between a dataset and a data source. It populates a dataset with data from the data source and also updates the data source with changes made to the dataset.
- **DataSet:** Represents an in-memory cache of data that can store multiple tables, relationships between tables, and constraints. It provides a disconnected representation of the data retrieved from a data source.



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Thank You

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