

ADO.net

Tuesday, February 23, 2021 9:48 AM

1. Connection Oriented :

Connection Class

Command Class

Reader Class

Execution (ExecuteNonQuery, ExecuteScalar, ExecuteReader)

1. Connection Less :

Adapter

Dataset : Has Set Of Tables

3. SqlBulkCopy : To Write Multiple Row or data in data table.

a. Attach Connection

b. Set Destination able

c. Set Batch Size and Notifier and Bind Function With SqlCopied

4. Transaction : To Achieve Consistency, Have To Create Transaction from Connection, Pass into Command Object and Then Rollback or Commit.

5. Cache of Data : Just Like ViewState or Session in asp for Storing and Retrieving

6. Accept Changes or reject Changes or Update is Based on Row state and Row Version also Update Method of adapter.

7. Typed Database

a. Loose Type:

i. Create Class

ii. Then LINQ

```
DataSource = From nameOfTempVariable in dataset.datatable.AsEnumerable()  
May Where clause to Filter  
Select new ClassName  
{  
    Property : Value, .. . . .  
}
```

b. Strong Type:

i. Create Dataset

ii. Import Namespace Which Contain Adapter and Table Related Classes

iii. Create Classes of Dataset Related

iv. DataSource = from name from DataTable

May Where clause to Filter

select new (name.Prop/ColName...)

8. Can Create Data Table Manually with Adding Rows and Columns

Row State

Added	Unchanged	Modified	deleted	Detached
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Row Version

Current	Default	Original	Proposed
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