Complete SQL Server Replication Guide -- Local SSMS Setup

Understanding SQL Server Replication

Its a technology that allow to copy and distribute data and database objects from one database to



Types of Replication

1. Snapshot Replication

See this as a picture take from camera. it takes a complete snapshot of the data at a specific point in time



When to use it

when data changes infrequently

cons

can be resource intensive for large dataset

Text

3. Merge Replication

This allows changes at both publisher and subscriber, then merges changes

When to use it

supports bidirectional changes, good for mobiles scenerios

. Most complex to manage

2. Transactional Replication

see this as a mirror in your home, any time there is passing it reflect.

captures and replicate individual data transactions as they occurs

When to use it

when need near real time data synchronization

Cons

- . More complex
- requires stable network connection

g object

Replication Diagram





































