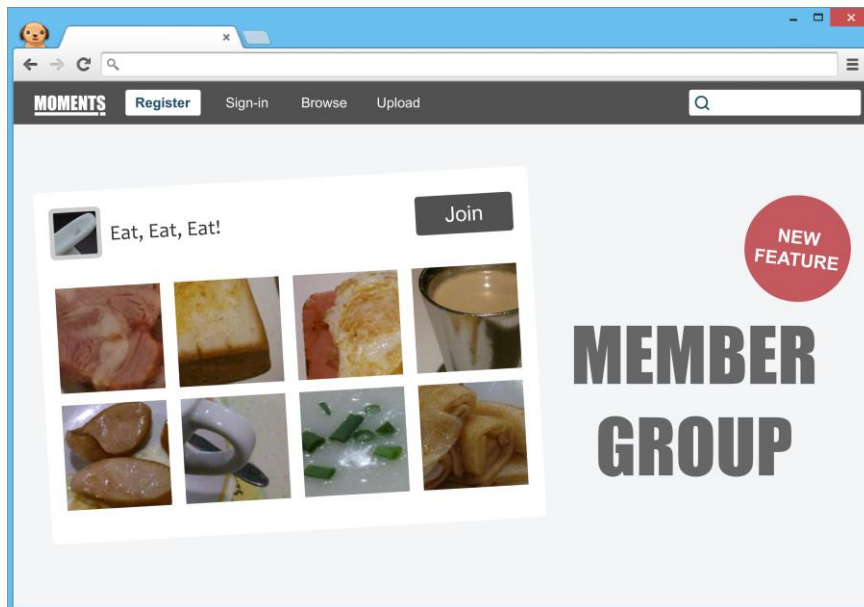


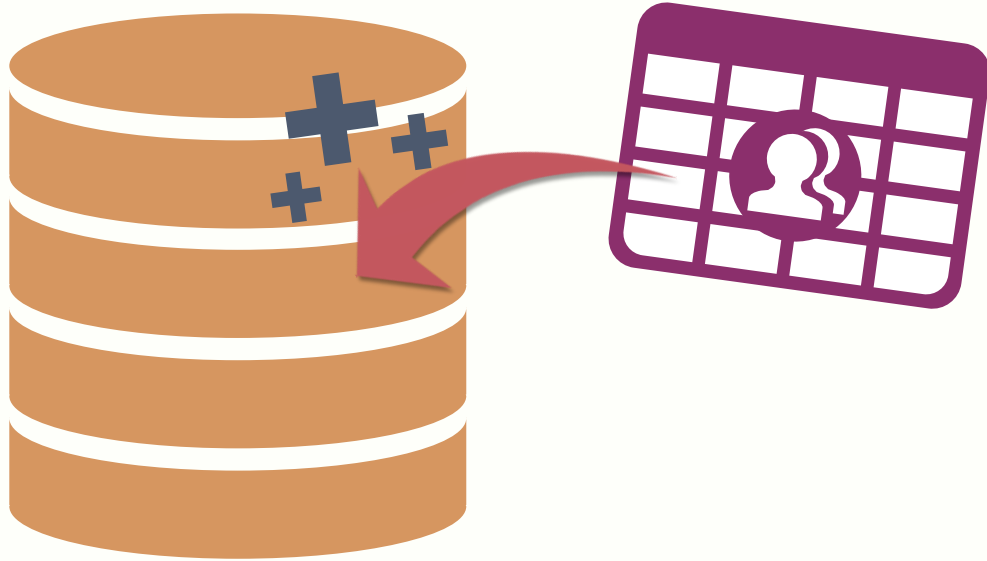
Patch Database

Patch Database



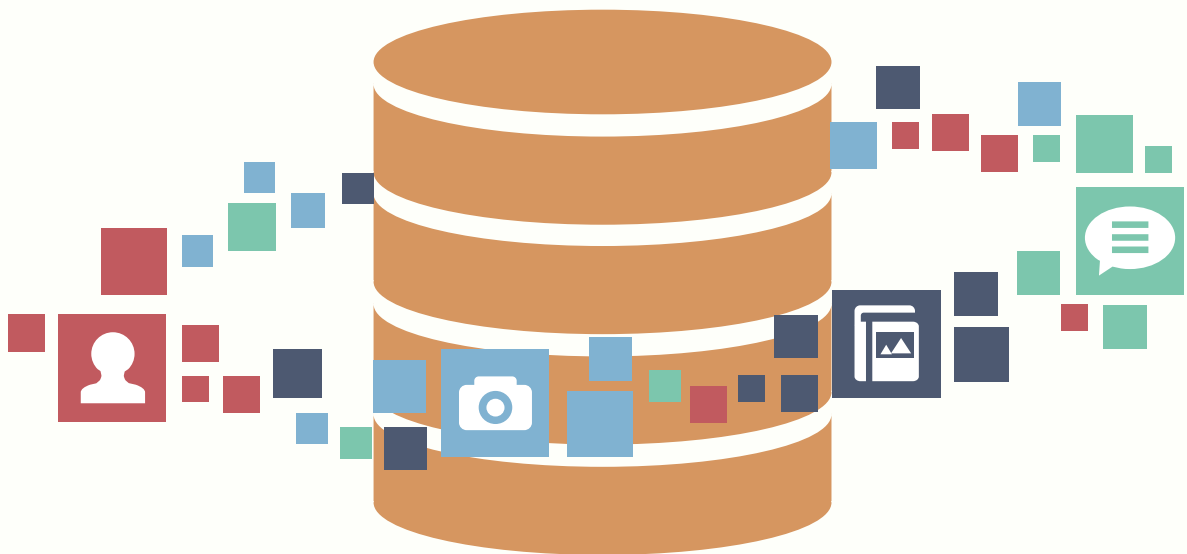
Information systems keep changing at all time.

Patch Database



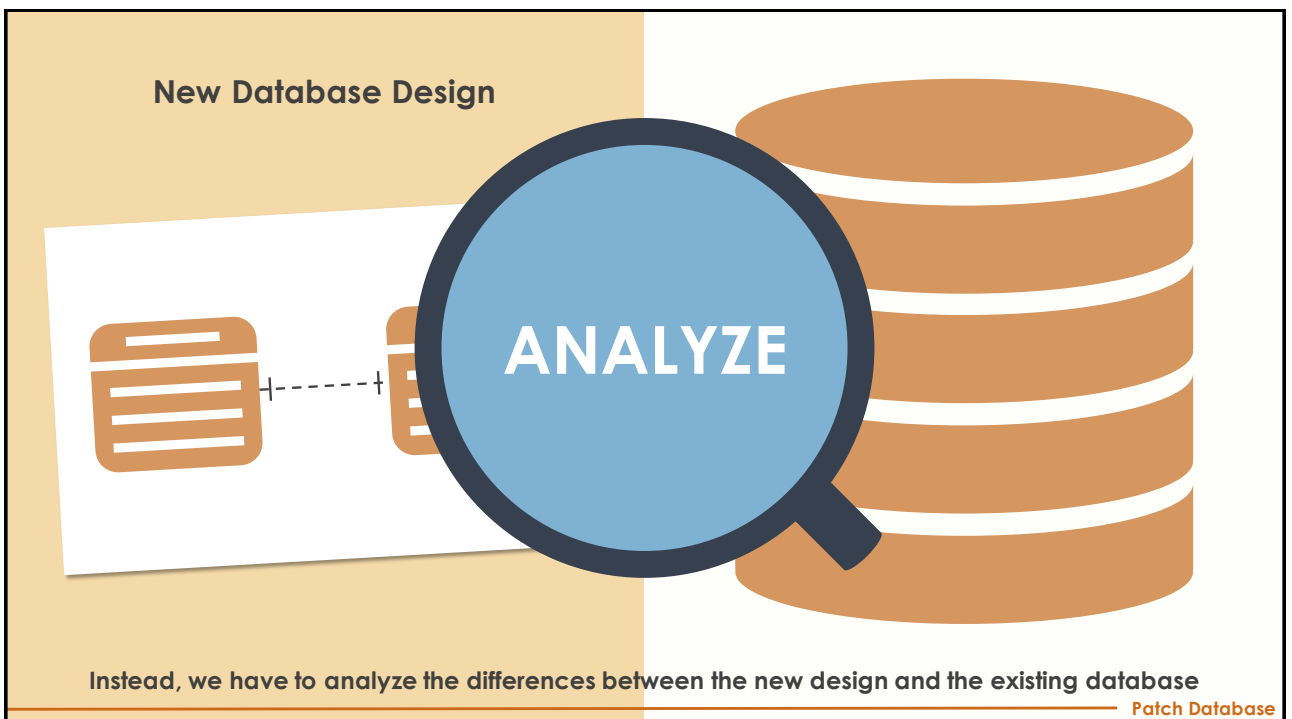
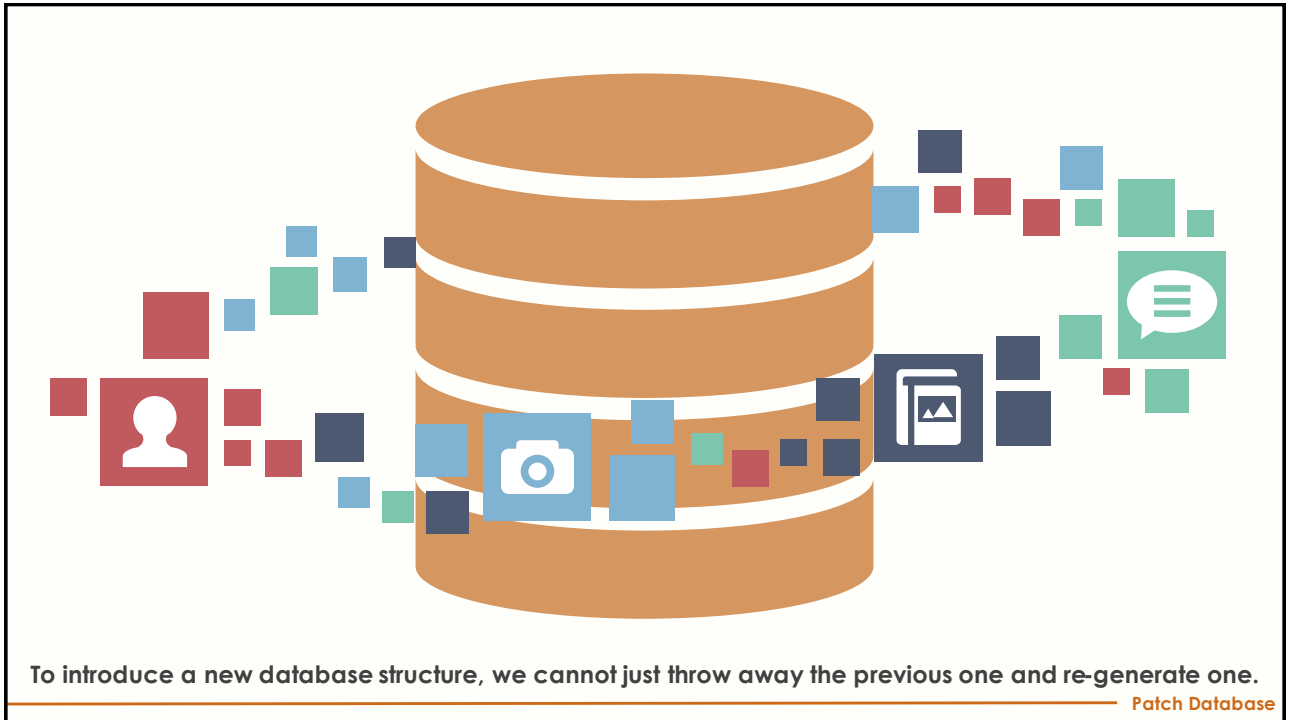
Very often, those changes will lead to a change in database structure

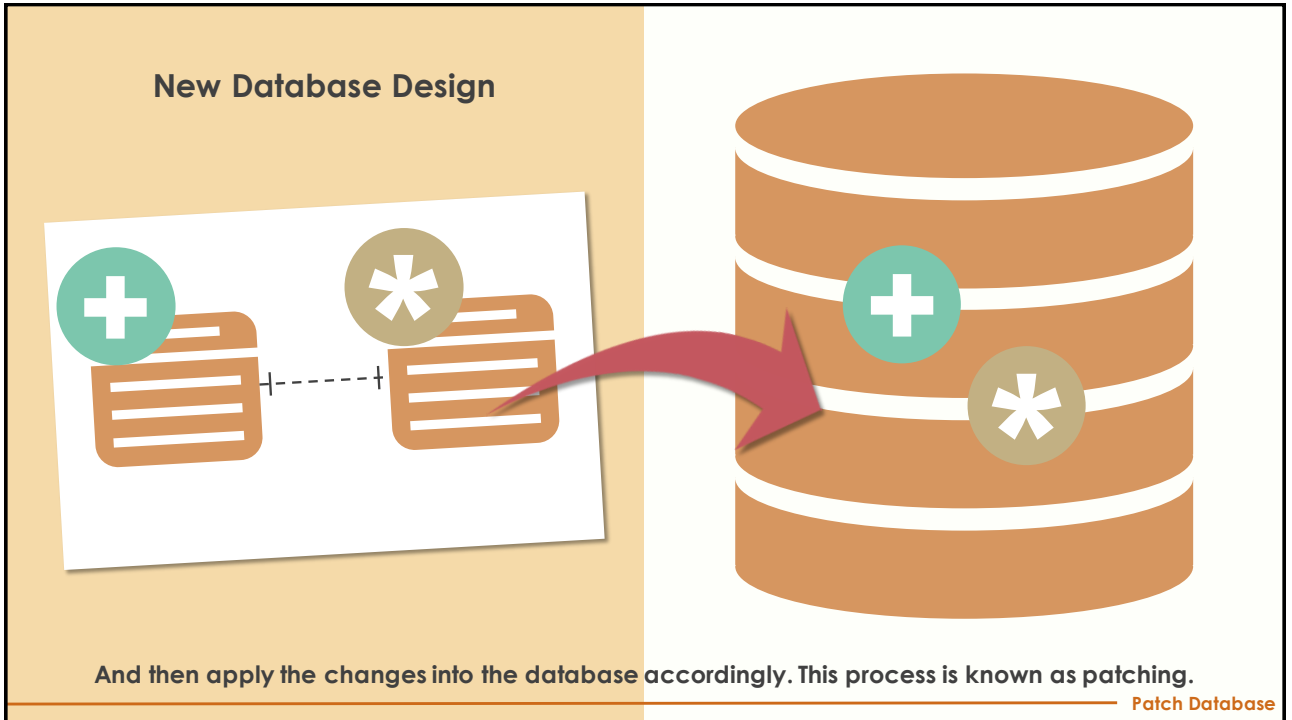
Patch Database



As we said before database is an integral part of an information system.

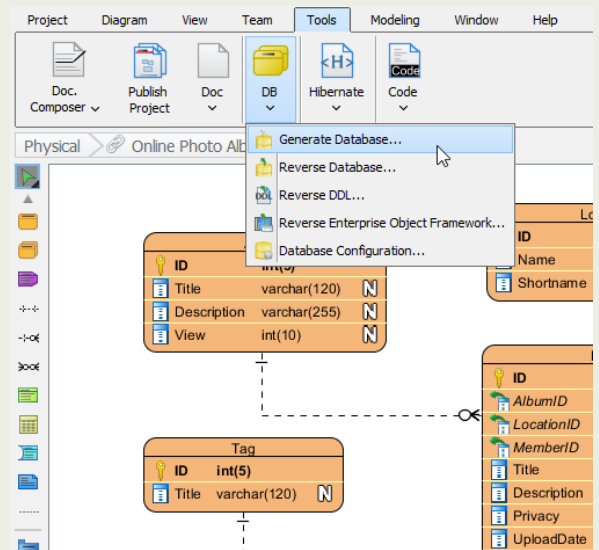
Patch Database





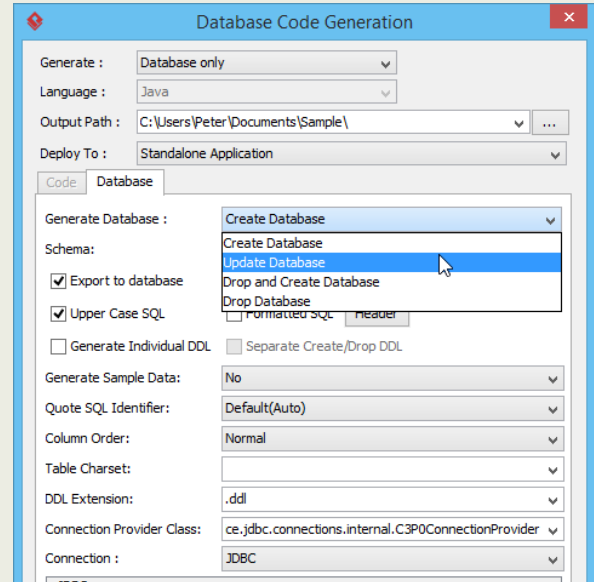
Patching Database

1. Under the **Tools** tab of Visual Paradigm, select **DB > Generate DB...**



Patching Database

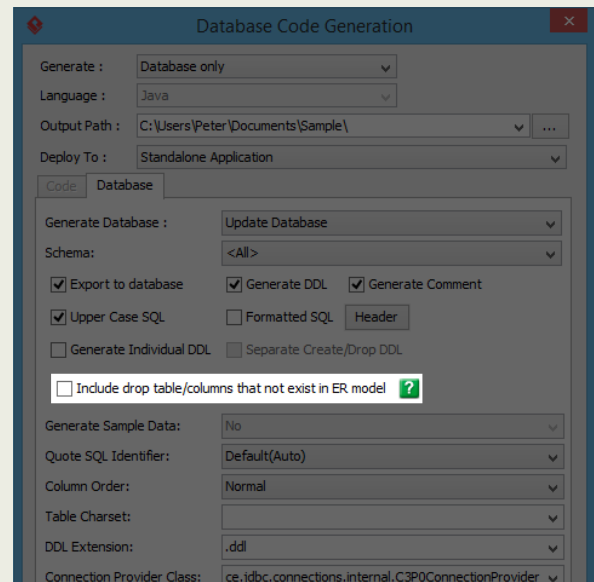
1. Under the **Tools** tab of Visual Paradigm, select **DB > Generate DB...**
2. Select **Update Database** for **Generate Database**.



Patch Database

Patching Database

1. Under the **Tools** tab of Visual Paradigm, select **DB > Generate DB...**
2. Select **Update Database** for **Generate Database**.
3. [Optional] Select **Include drop table/columns that not exist in ER model**
(Use with care!)



Patch Database

Patching Database

Drop Table & Column?

ID	Title	Privacy	View	...
1	The tram	Public	19,128	
2	Little kitten	Public	15,121	
3	Chamomile	Only You	2	
4	New bus route	Friends	4	
5	Ferry pier 9	Public	12,220	
6	The coast	Friends	8	
7	Rock climbing	Public	12,000	
8	Fountain	Friends	3	
9	Sunset	Friends	5	

Dropping a column will also drop its data

Patch Database

Patching Database

Drop Table & Column?

ID	Title	Privacy	View	...
1	The tram	Public	19,128	
2	Little kitten	Public	15,121	
3	Chamomile	Only You	2	
4	New bus route	Friends	4	
5	Ferry pier 9	Public	12,220	
6	The coast	Friends	8	
7	Rock climbing	Public	12,000	
8	Fountain	Friends	3	
9	Sunset	Friends	5	

Likewise, dropping a table will drop all the data stored in the table

Patch Database

Dropping of tables and columns are always significant changes.

Performing them inappropriately may lead to **data lost**.

Patching Database ■ Drop Table & Column?

No "View" column in new design

Photo

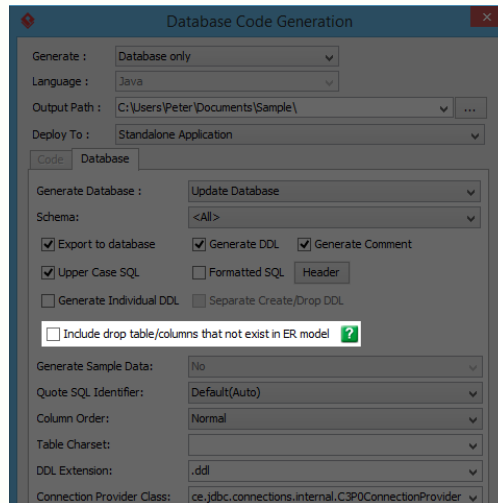
ID : number (5)
Title : varchar (120)
Privacy : varchar (20)

ID	Title	Privacy	View	...
1	The tram	Public	19,128	
2	Little kitten	Public	15,121	
3	Chamomile	Only You	2	
4	New bus route	Friends	4	
5	Ferry pier 9	Public	12,220	
6	The coast	Friends	8	
7	Rock climbing	Public	12,000	
8	Fountain	Friends	3	
9	Sunset	Friends	5	

If we found that a column exists in your database but NOT your model,
we **cannot** assume that you don't need it and drop it for you when patching.

Patching Database

Drop Table & Column?

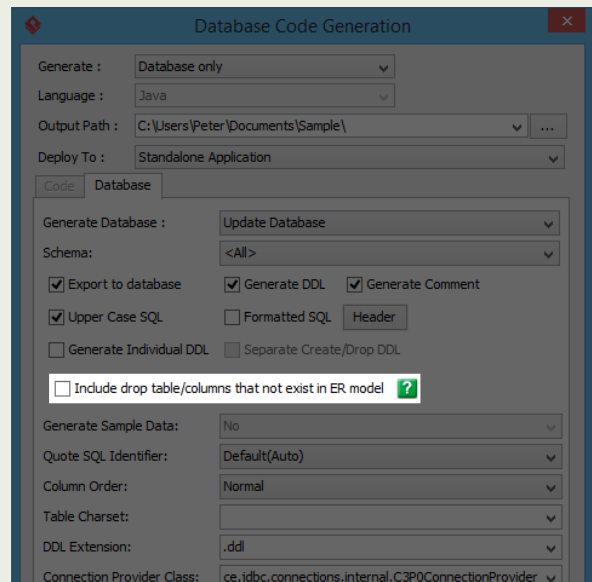


But if you are very sure that you want a drop, you can still check this option to let us do it for you.

Patch Database

Patching Database

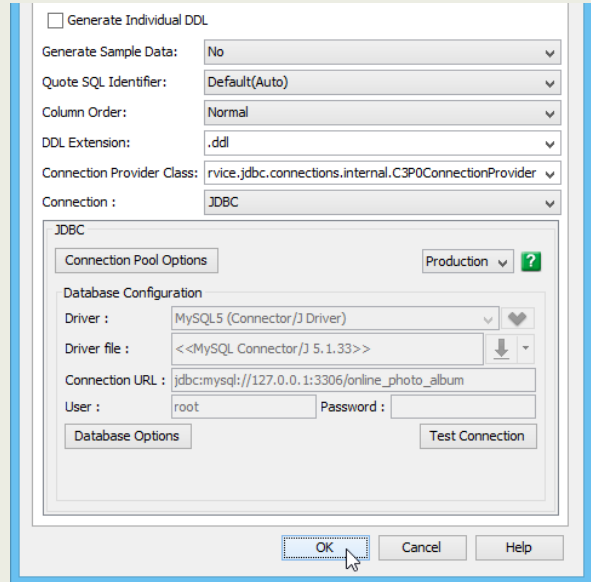
1. Under the **Tools** tab of Visual Paradigm, select **DB > Generate DB...**
2. Select **Update Database** for **Generate Database**.
3. [Optional] Select **Include drop table/columns that not exist in ER model**
(Use with care!)



Patch Database

Patching Database

1. Under the **Tools** tab of Visual Paradigm, select **DB > Generate DB...**
2. Select **Update Database** for **Generate Database**.
3. [Optional] Select **Include drop table/columns that not exist in ER model**
4. Click **OK** to patch your database.



Patch Database

Summary

- Concept of database patching
- How to patch database

Patch Database