

Image DB on SQL Server



Requirements

- SQL Server 2016 or later with SSMS installed.
You can use older versions including SQL Server 2008.
- SSDT 2015 installed, but earlier versions are allowed.
- SSRS installed



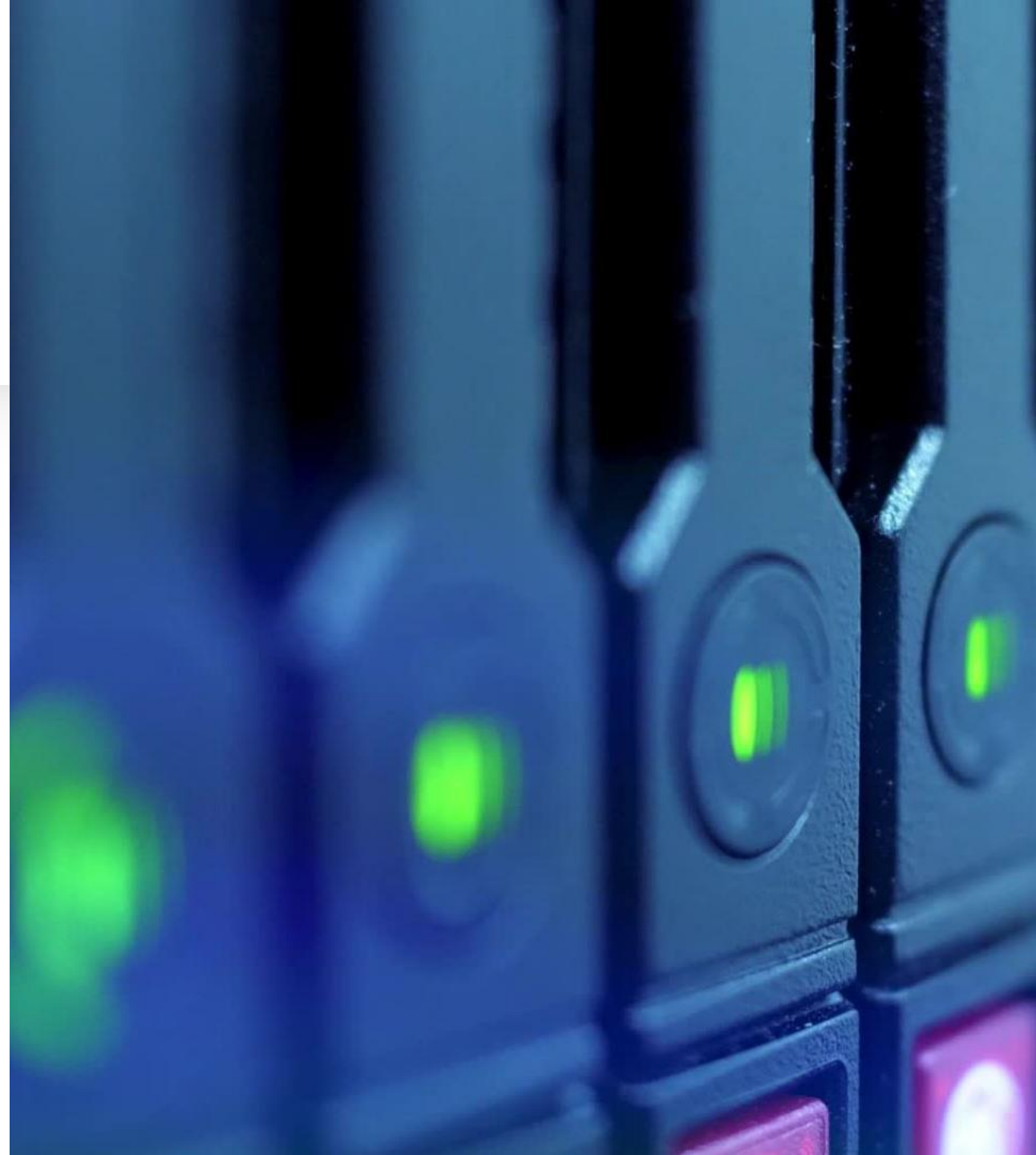


Key Consideration

- If your pictures or document are typically below 256KB in size, storing them in a database VARBINARY column is more efficient
- if your pictures or document are typically over 1 MB in size, storing them in the filesystem is more efficient (and with SQL Server 2008's FILESTREAM attribute, they're still under transactional control and part of the database)
- In between those two, it's a bit of a toss-up depending on your use

SQL Server DB Code

- Create a Table in SQL Server
 - CREATE TABLE myimages(id int, img varbinary(max))
- Inserting Images
- INSERT INTO myimages (id, ,img)
 - SELECT 1,BulkColumn
 - FROM Openrowset(BULK 'D:\images.png', Single_Blob) AS img



Viewing the Table

SQLQuery1.sql - IN...X1_SLIM\activ (71))* X Object Explorer Details

```
create table myimages(id int, img varbinary(max));  
  
insert into myimages(id, img) select 1,BulkColumn From OPENROWSET(BULK 'C:\Users\activ\Downloads\myi.jpg', SINGLE_BLOB) As img  
  
select * from myimages;
```

100 %

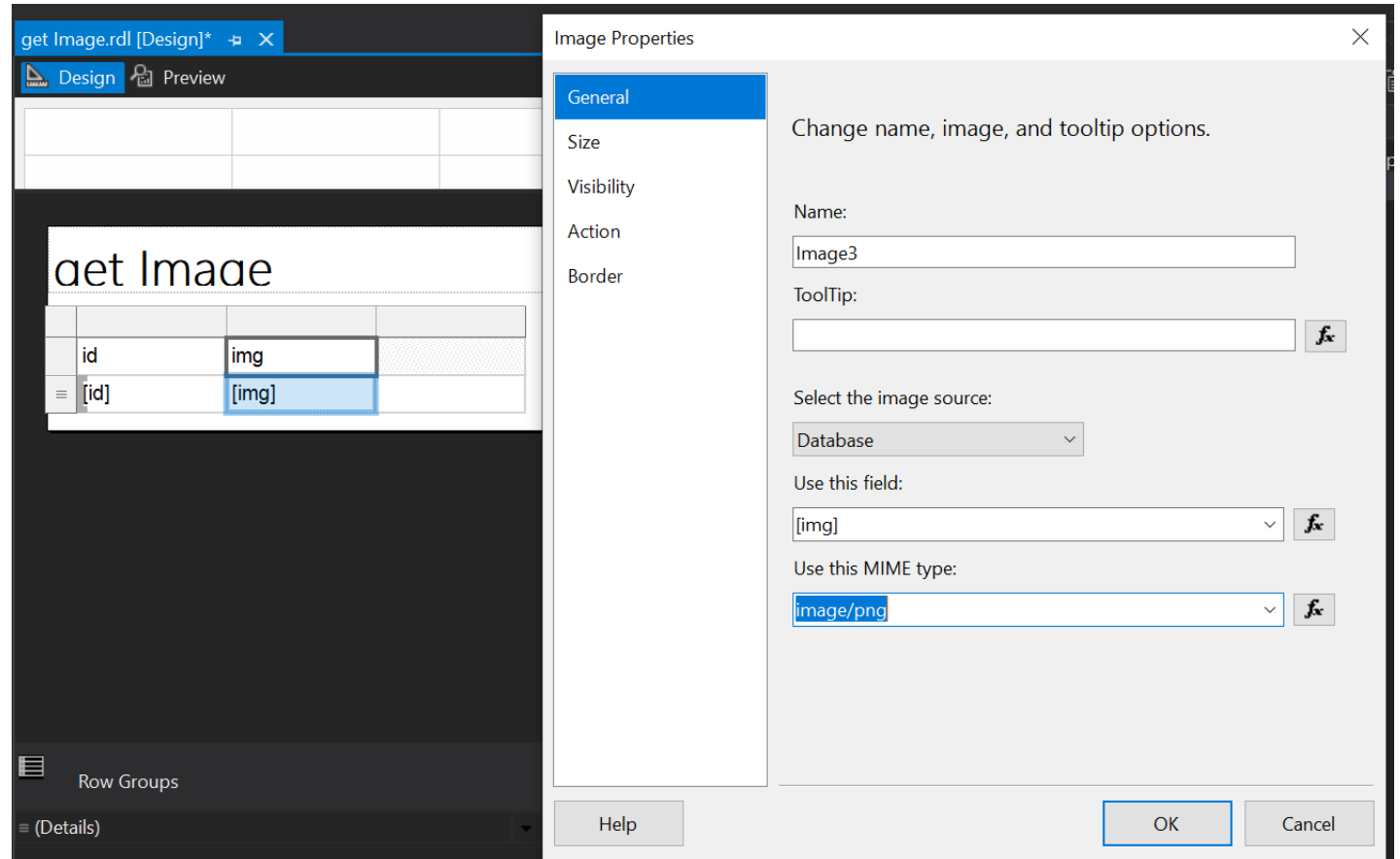
Results Messages

	id	img
1	1	0xFFD8FFE000104A46494600010101004800480000FFE201...

Adding Multiple Images

- **Open Powershell and to SQL Powershell.**
- Sqlps
- **List out the file names:**
- \$files=dir -name
- **Creating new variable:**
- \$counter=1.
- foreach (\$file in \$files)
- {
- invoke-sqlcmd
"INSERT INTO
adventureworks.dbo.my
images values
(\$counter, (SELECT *
FROM
OPENROWSET(BULK
N'C:\img\'\$file',
SINGLE_BLOB) as T1))"
- \$counter++
- }

Viewing the images through SSRS



Report Data

New Edit...

Built-in Fields

Parameters

Images

Data Sources

Datasets

Report1.rdl [Design]

Design Preview

1 of 1

200%

Report1

id img

1

Error List

Entire Solution

0 Errors

1 Warning

0 Messages

7

Search Error List

Code	Description	Project	File	Line
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Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'Report Project1' (1 of 1 project)

Report Project1

Shared Data Sources

Shared Datasets

Reports



Updating images in SQL Server

- UPDATE myimages
SET img = (SELECT BulkColumn
From OPENROWSET(BULK
'C:\Users\Downloads\myimg.jpg'
,SINGLEBLOB) as img)
where id = 1;

