# Developing for Excel with VBA

#### INTRODUCING VBA



Mike McQuillan
ARCHITECT, DEVELOPER, DATA SPECIALIST
@mcqtech www.mcqtech.com

#### Developing for Excel with VBA

Introducing VBA

Connecting Excel to a Database

Building a VBA Application in Excel

Enhancing and Debugging a VBA Application

Sending Data to Different Workbooks



# Excel is Popular





### Why is Excel so Popular?



Simple to use



Easy to manipulate data



Amazing data connection tools



**Flexibility** 



Can be extended with VBA



#### Introducing VBA

What is VBA?

**A Brief History** 

The Developer Tab

Creating a Simple Macro

The VBA Editor



### What is VBA?



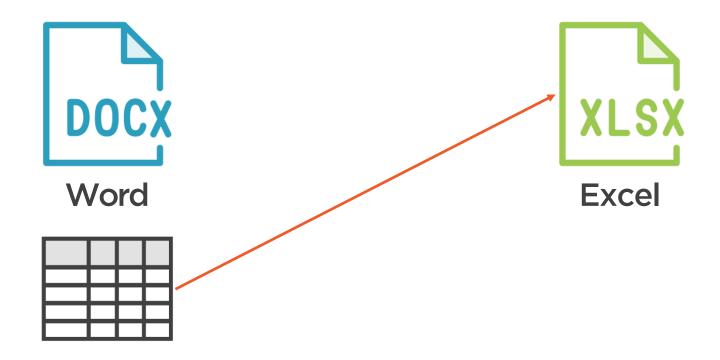








#### **OLE** Automation



## OLE Lives On





#### VBA Can Do a Lot...







# ...But Not Everything





Code Sharing



Security



## Malicious Macros



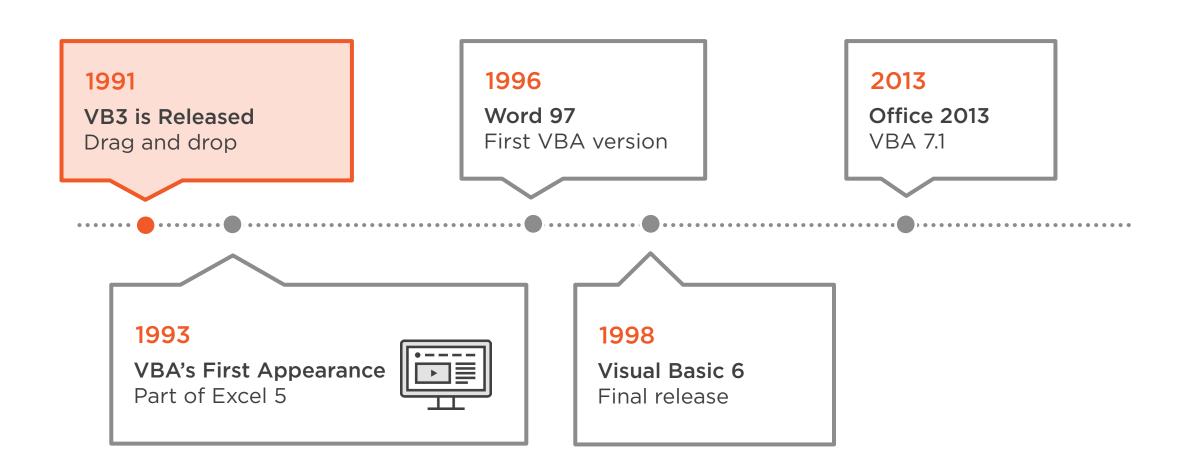


#### Last Word on VBA





### A Brief History of VBA





#### Visual Basic vs. VBA

#### Visual Basic (VB)

Can create complete applications

Cannot create scripts directly

Not integrated with Microsoft Office

No longer supported

#### **VBA**

No standalone programs

Supports application scripting
Integrated with Microsoft Office
Still supported
Simple to use
Rapid development



### Meet Jo





**Analyst** 



Sales



**Drinks** 



**Payroll** 



## The Problem











# Demanding More Money





### The Boss's Plan







# Jo the Developer







Sales









## Time for a Rest





# Overview/ Summary



A brief introduction to VBA

The developer tab

**Recording macros** 

The VBA editor

Simple user interface

