



IBUC 2020  
VIRTUAL

# Blaise 5.8

## Custom MVC applications

### Coding for the web client

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Blaise



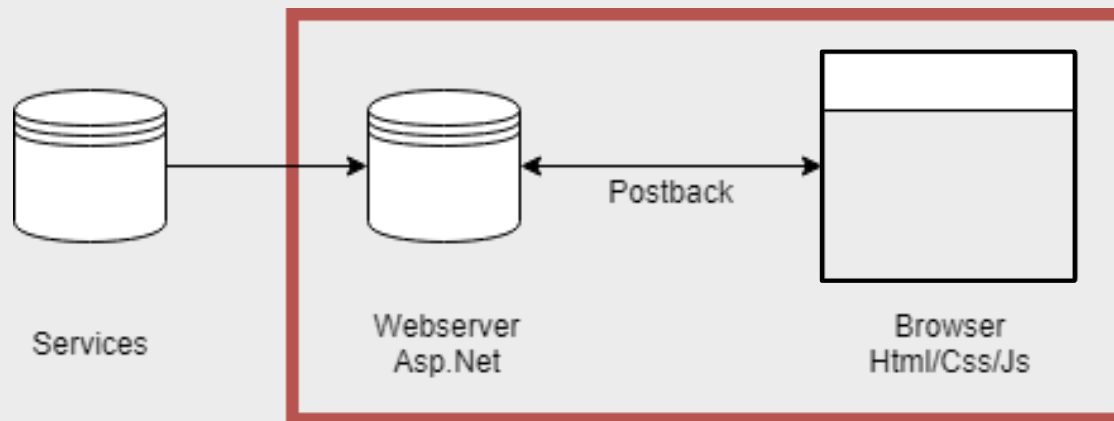
Gaining deeper understanding

# Agenda

- A brief history
- What to expect
- Customizations
  - Why and when (not) to use customizations
  - A quick demo
  - How to
    - Getting started
    - The general application
    - Code samples
- Q&A

# A brief history

- Blaise 5.0.x
  - ASP.NET

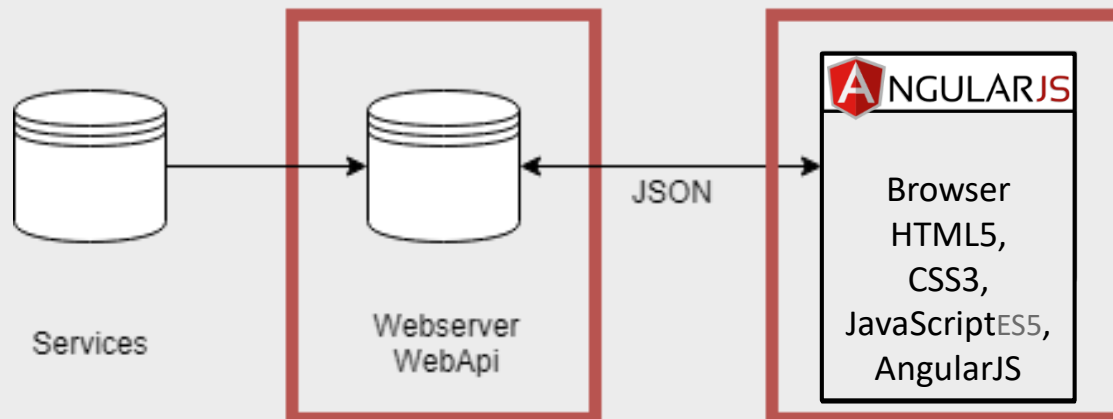


 Microsoft

ASP.NET

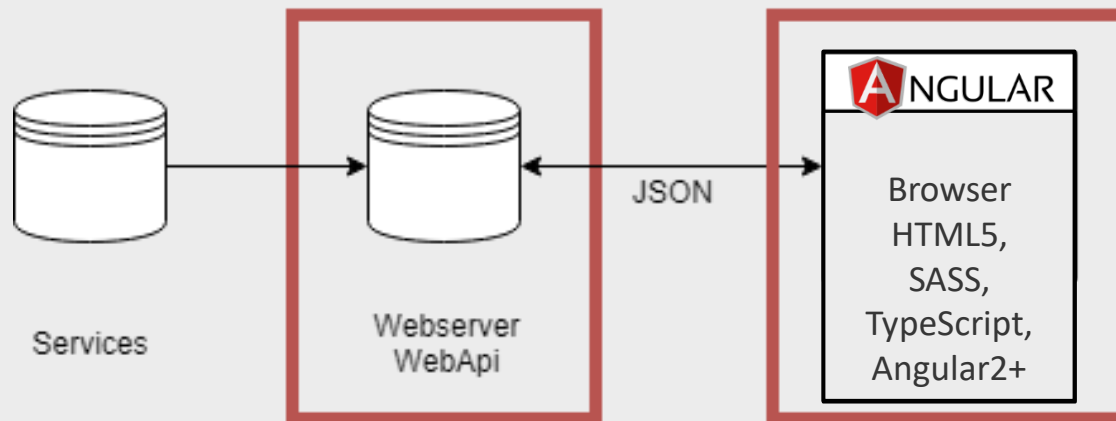
# A brief history [2]

- Blaise 5.2.0
  - WebAPI
  - AngularJS



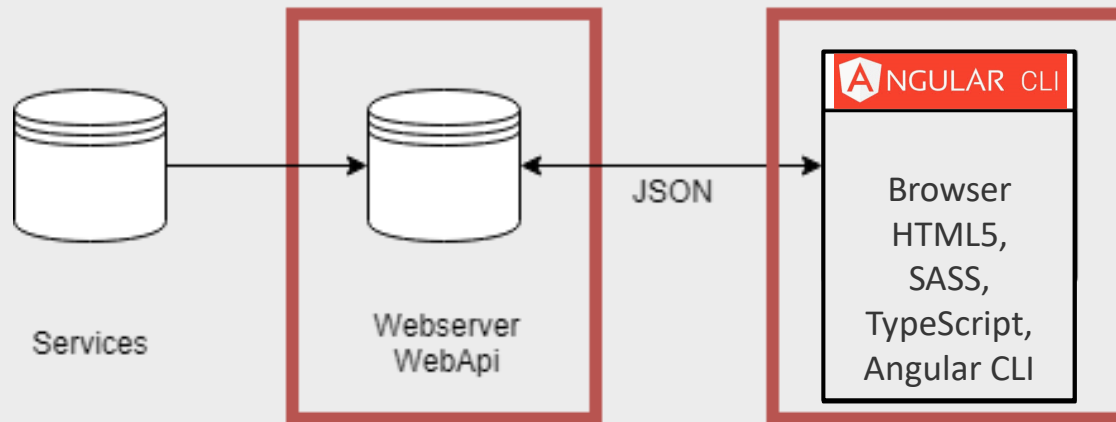
# A brief history [3]

- Blaise 5.2.5+
  - WebAPI
  - Angular2+



# A brief history [4]

- Blaise 5.5+
  - WebAPI
  - Angular CLI



- @angular/core and @blaise/core packages
  - Not to be confused with the Cloud's .Net Core Solution



# A brief history [5]

Versions								
Blaise	5.2.5*	5.3.0*	5.4.x*	5.5.x	5.6.x	5.7.x	5.8.x	5.Next
Angular	4.2.4	5.1.2	5.2.10	7.x	8.x	8.2.x	9.1.x	10.x
TypeScript	2.6.2	2.6.2	2.7.2	3.1.3	3.4.5	3.5.3	3.8.3	>= 3.9 < 4.1

\*No longer supported



# What to expect

Blaise 5.9+

- Dependency updates
  - Angular
  - Typescript
  - ...
- New and updated
  - controls, events, actions and other features
- Updated documentation
- Performance improvements



# Customizations

- Why and when (not) to use customizations
- A quick demo
- How it's done
  - Getting started
  - The general application
  - Code samples



# Customizations: why and when not

- Functionality already in Blaise
- ASK and you *may* receive
- Maintenance
- Backward compatibility
- Risk and responsibility



# Customizations: why and when

- + Custom layout
- + Custom controls
- + Animations
- + Custom events and actions
- + Access to external APIs
- + Authentication and Authorization

# A quick demo



Sources: [github.com/s-bollen-cbs/ibuc2018](https://github.com/s-bollen-cbs/ibuc2018)

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# How to: getting started

- Knowledge prerequisites
  - Basic understanding of
    - Blaise
    - NodeJS and npm
    - HTML5
    - CSS3, SCSS and/or SASS
    - Angular and Angular/CLI
    - Typescript 3.x and/or JavaScript ES6/2015
    - RXJS



# How to: getting started [2]

- Software prerequisites

- Code/Text editor

- Syntax highlighting for Typescript
- e.g. Visual Studio Code, Webstorm, SublimeText and Atom.



- Blaise



- NodeJS and NPM



- Angular/CLI



- Typescript






# How to: getting started [3]

- What we provide
  - General Application sample
    - %Documents%\Blaise5\Samples\API\DataEntry\MVC
  - Technical documentation
    - Current release: <http://help.blaise.com/angular>
    - Previous releases (5.2.5+):  
[http://help.blaise.com/angular/\[version\]](http://help.blaise.com/angular/[version])




# How to: the general application


- General application sample content:

 Datamodel


- A place to hold your data-model (not compulsory)

 debug

- Location for the compiled debug version

 dist


- Location for the compiled and compressed production version

 src


- Source location for your custom application




# How to: the general application [2]

 angular.json


- Angular configuration file

 package.json

- General configuration file
  - CL scripts
  - Project dependencies
    - Fix path to @blaise/core to point to installation folder

 README.md

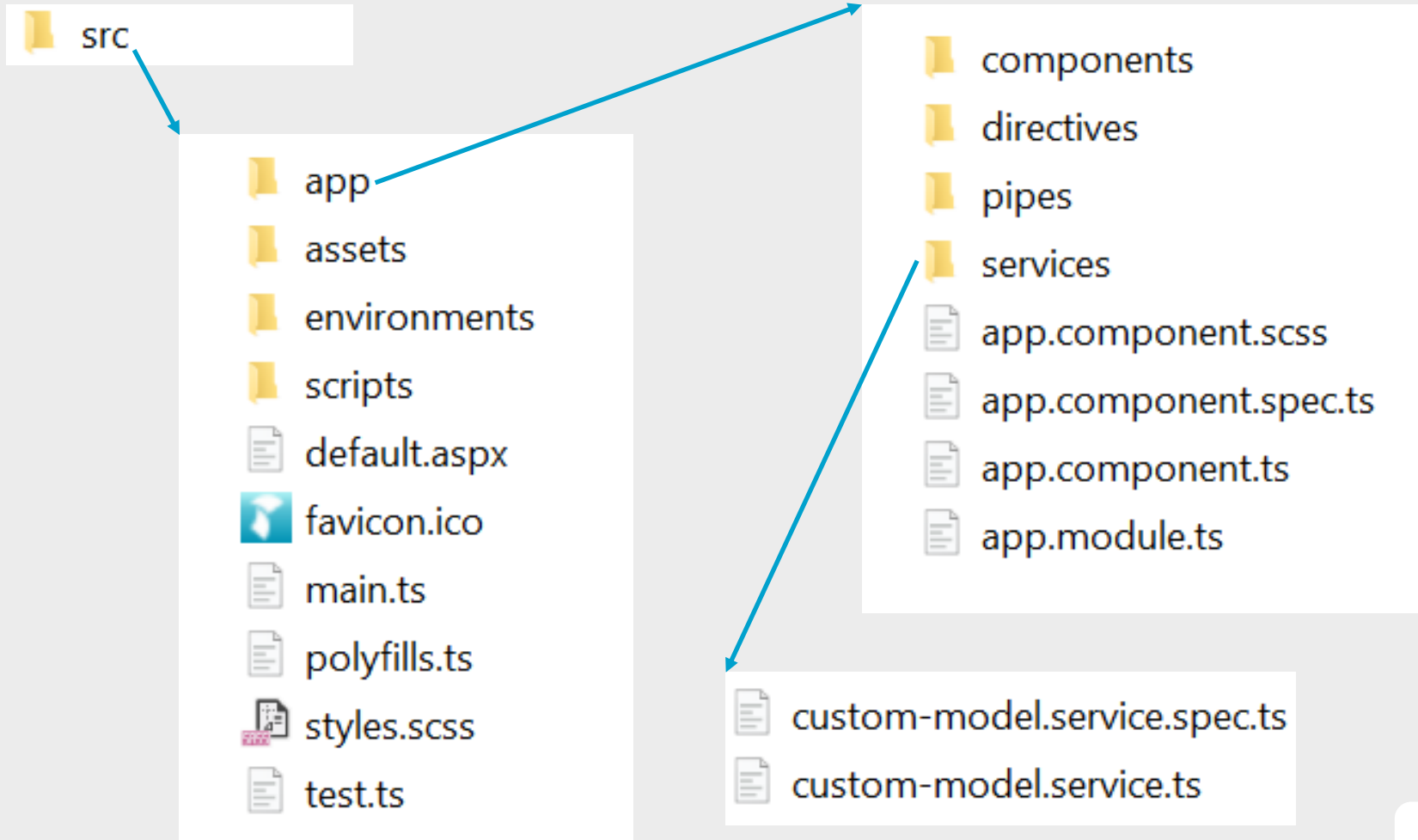
- Useful information for getting started

 tsconfig.json

- Typescript compiler options

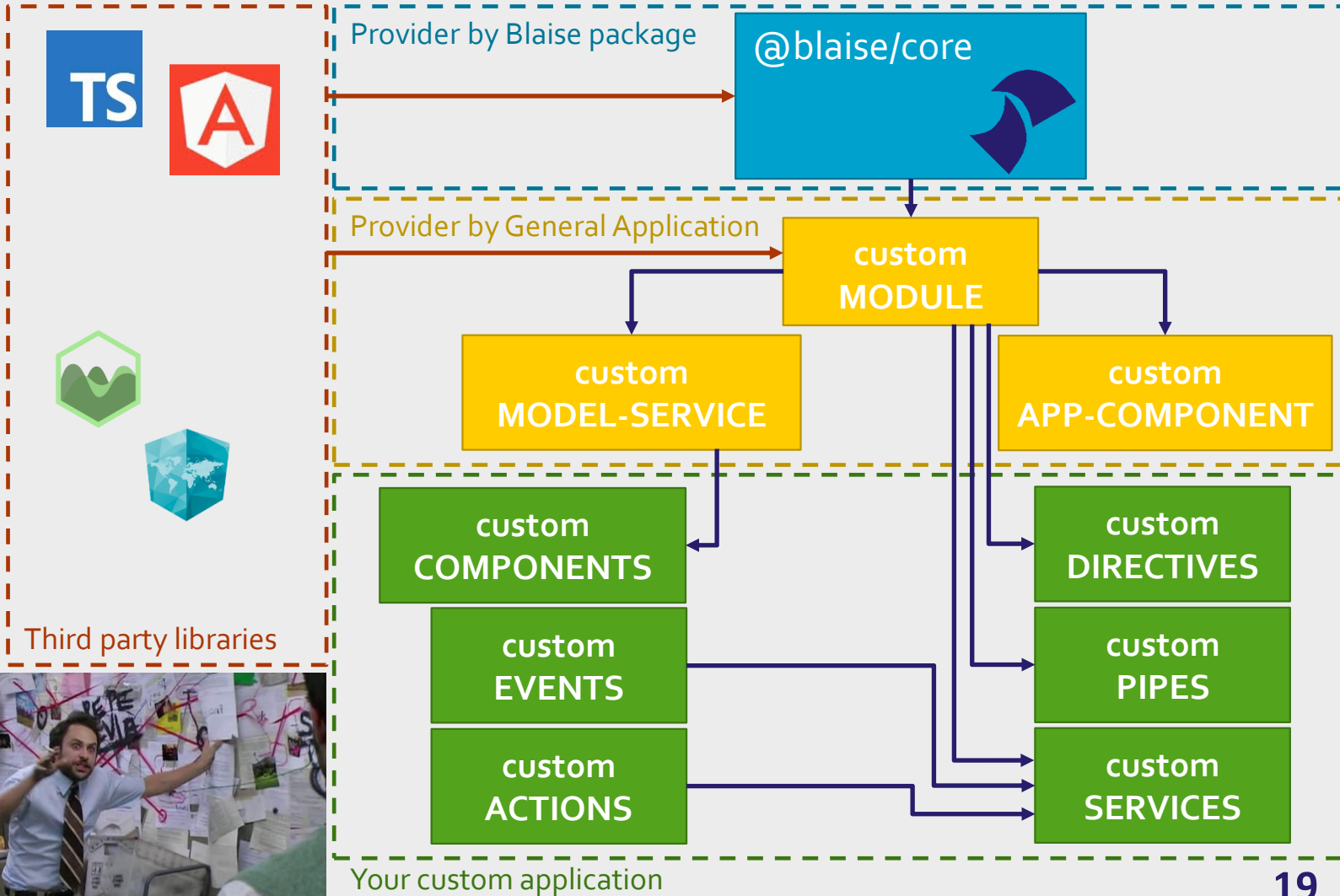


# How to: the general application [3]





# How to: the general application



# How to: code samples



Sources: [github.com/s-bollen-cbs/ibuc2018](https://github.com/s-bollen-cbs/ibuc2018)

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# Questions



# Q&A

Click on the Q&A button to ask questions



HAPPY CODING!

