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Framework for creating modern web applications



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TMS RADical WEB : TMS WEB Core Verona 1.1

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TMS meetup 18 December



- 14h00 – 14h30 : Anonymous methods, Matthias Gaertner
- 14h30 – 15h00 : Bluetooth, Matthias Gaertner
- 15h15 – 16h00 : TMS WEB Core use case, Filip Lagrou
- 16h15 – 17h15 : TMS WEB Core Verona 1.1, Bruno Fierens
- 17h30 – . . . : Tapas & Wine

Agenda

TMS RADical WEB : TMS WEB Core intro

WEB

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What is it?

TMS RADical WEB : TMS WEB Core intro

WEB

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- Pascal language based, Delphi IDE integrated
- OO & RAD component based
- Modern single-page web application architecture
- Classic design vs HTML/CSS design
- Use existing JavaScript frameworks
- Use FNC UI controls
- Easy & seamless deployment
- REST backend, cloud services access

Web Development

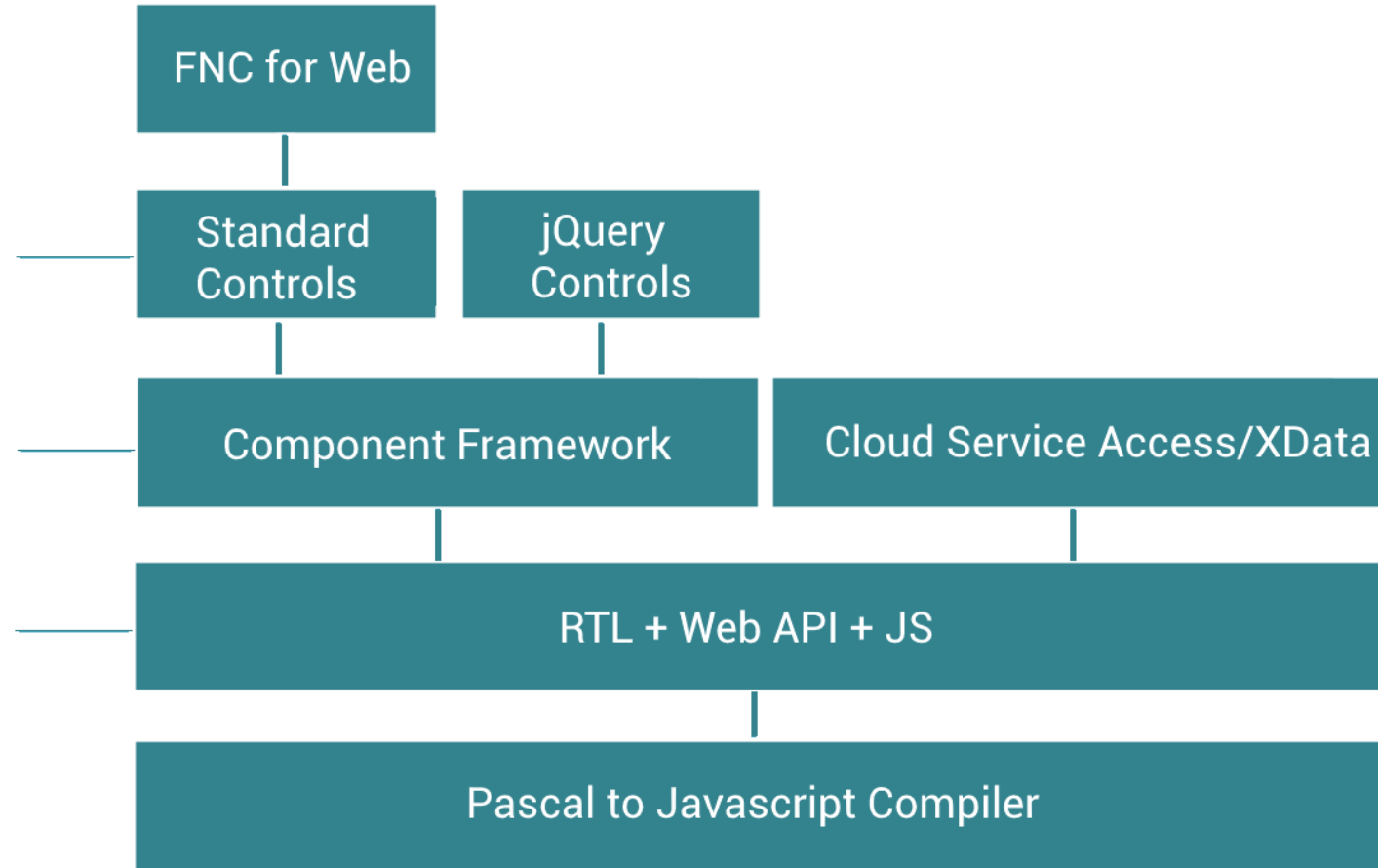
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WEB



Architecture

IDE



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What brings Verona?

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- Progressive Web Application support
- Google Charts support
- New AutoCompletion control
- Accelerator key support
- PayPal payment support
- Google & Facebook signin
- Google ReCaptcha v3.0 support

New features

- Specification from Google
<https://developers.google.com/web/progressive-web-apps/>
- Instant load
- Caching
- Not affected by network conditions, offline use
- Apps can be installed on home screen/desktop (iOS, Android, Windows Chrome 70)
- Push notifications*

Progressive Web Apps

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- New project type in TMS WEB Core
- Automatically creates the manifest file
- Automatically creates the serviceworker file
- IDE integration to set application options
- Application.OnOnlineChange event
- Application.IsOnline property

Progressive Web Apps

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Lighthouse Chrome plugin for testing!

<https://developers.google.com/web/tools/lighthouse/>



Progressive Web Apps

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Progressive Web Application demo

<https://www.tmssoftware.com/calc>



Demo

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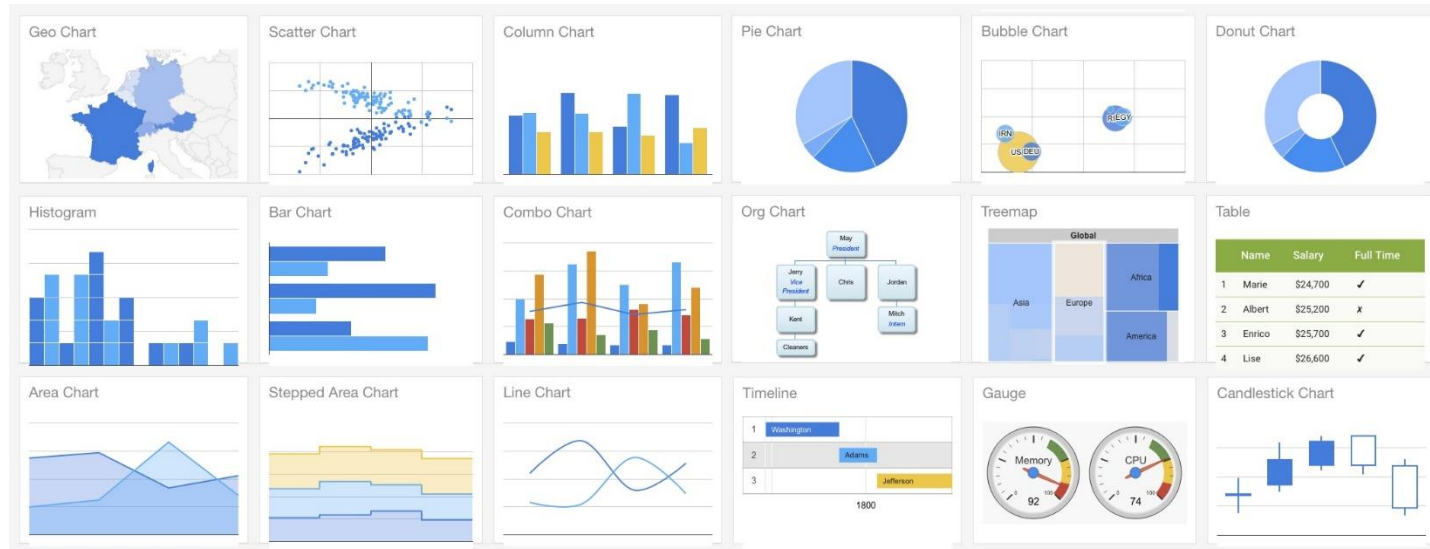
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The power of Google Charts at your fingertips

<https://developers.google.com/chart/>



Google Charts

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Google Charts demo



Demo

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In HTML, a combobox is not editable, so TWebComboBox is similar to a VCL TComboBox in csDropDownList style

TWebAutoCompletionEdit brings:

- Editable combobox
- Autocompletion filtering
- Interface nearly identical to a VCL editable TComboBox

Autocompletion

In Windows desktop applications, accelerator keys define hot key Alt-Letter combination for buttons or labels to focus controls.

With TMS WEB Core v1.1, accelerator key support similar to VCL is added

Accelerator keys

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Autocompletion edit & accelerator keys



Demo

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Component to enable PayPal driven online payment handling for your web applications:

- Add products to collection
- Define shipment
- Optionally capture user address
- Launch PayPal payment confirmation dialog
- Get payment success result



PayPal integration

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TMS WEB Shop using

- TWebResponsiveGrid
- TWebPayPal

Demo



Let users reuse existing Google or Facebook account to identify with your web application

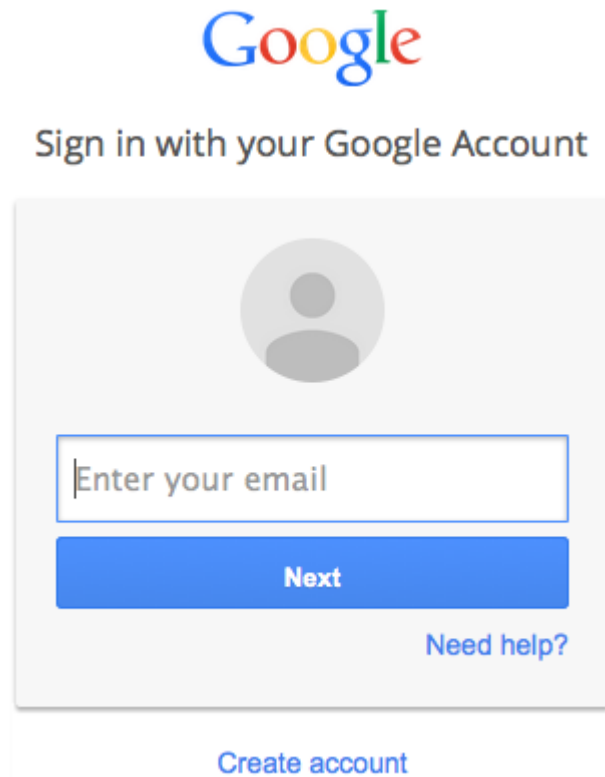
- Get via Google or Facebook login a unique Google identifier or Facebook identifier
- Users do not need to create a new account, username/password

Google & Facebook sign in

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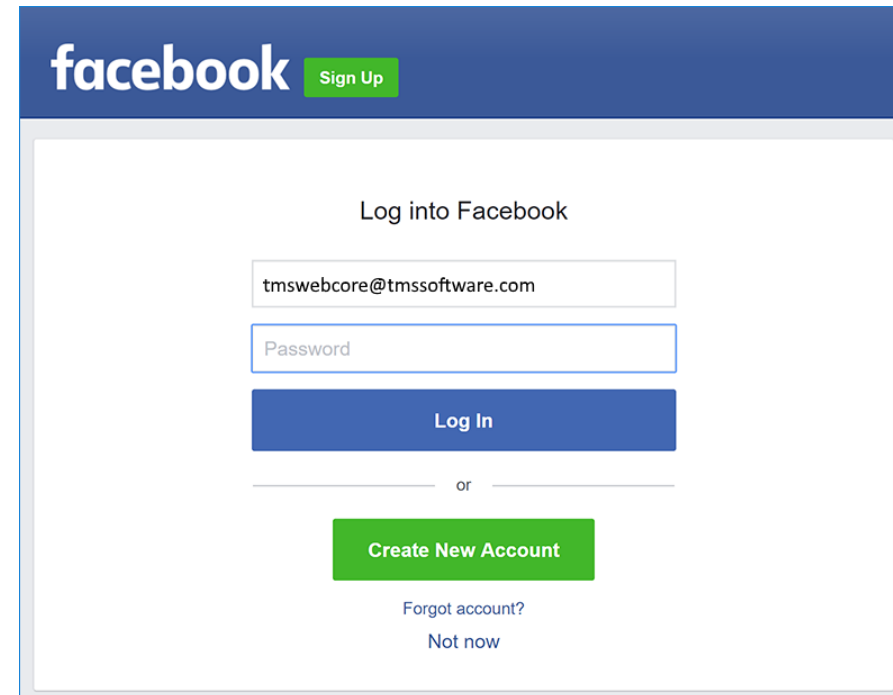
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Google & Facebook signin

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Signin

- Google signin
- Facebook signin



Demo

Q&A



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Many thanks to:

- Mattias Gärtner: Compiler
- Michael Van Canneyt: Compiler + RTL
- Pieter Scheldeman: FNC for the Web
- Bart Holvoet: Control Framework + Standard Controls
- Roman Kassebaum: IDE Integration
- Wagner Landgraf: XData Integration
- Holger Flick: Evangelist + QA
- Leon Kassebaum: ideas & energy from the next gen!
- Detlef Overbeek: Inspiration, Motivation, Out of the box thinking

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