Embarcadero RAD Server
A backend for Ext JS clients

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About the presenter

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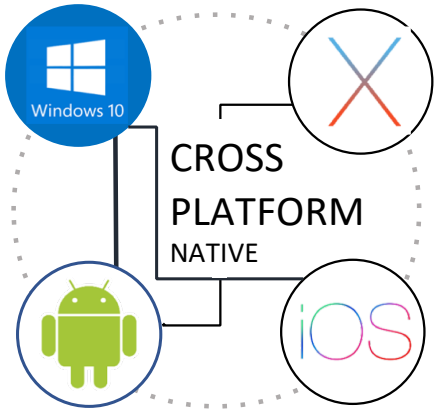
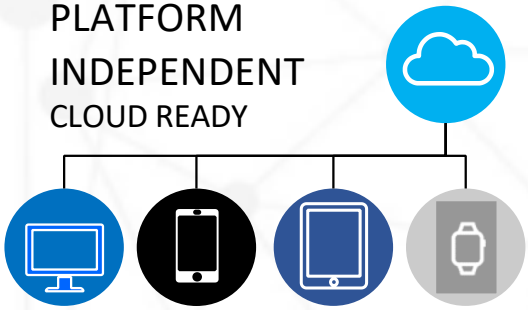
Agenda

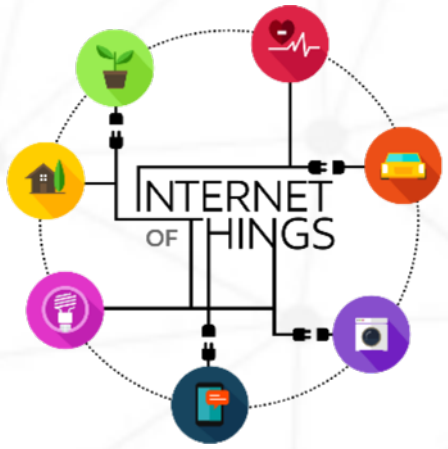
- What is Embarcadero RAD Studio?
- What is Embarcadero RAD Server?
- RAD Server technologies
- First steps with RAD Server
- Integration of RAD Server and Sencha's Ext JS

What is RAD Studio?

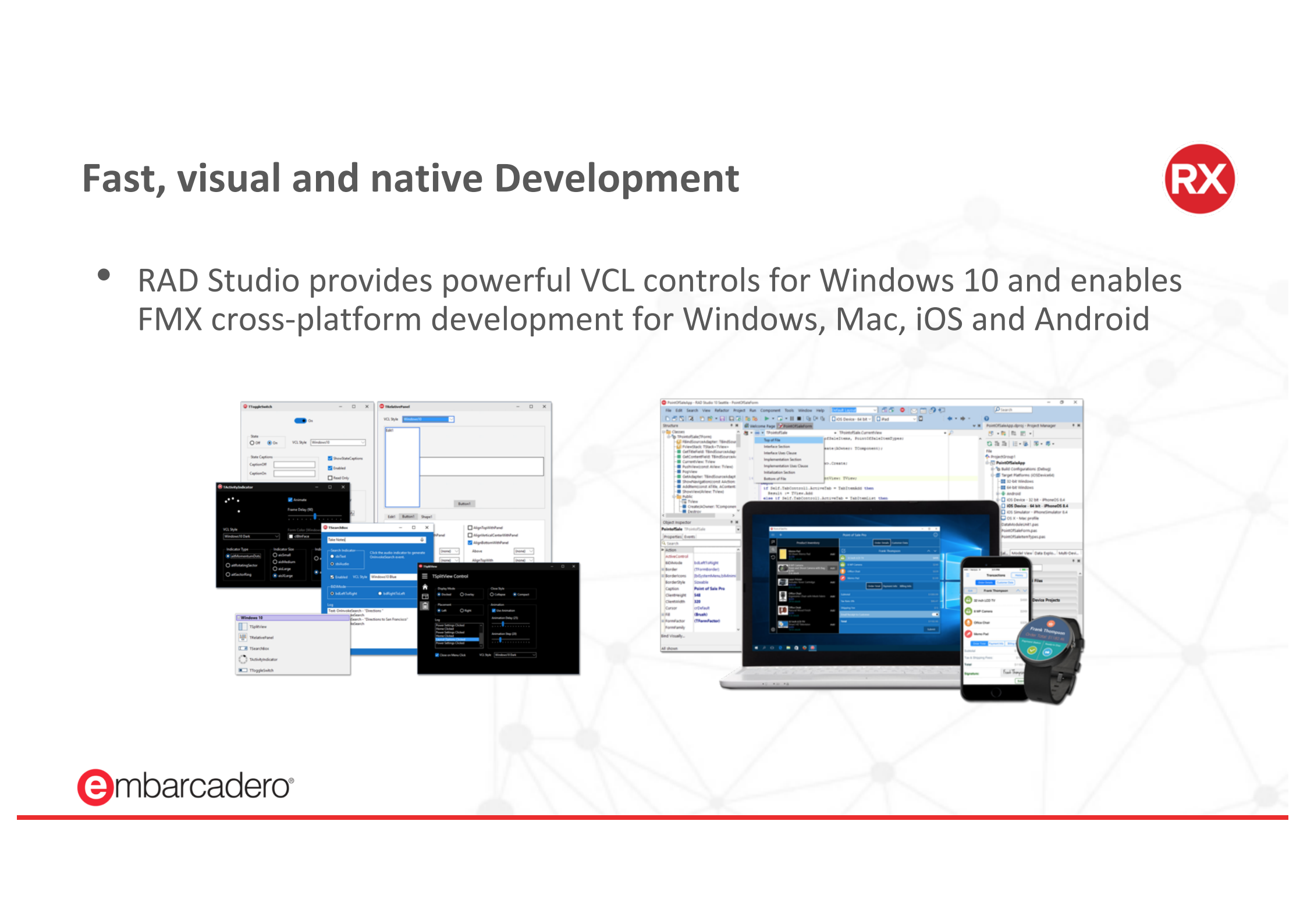
- The fastest way to develop cross-platform native apps with flexible cloud services and broad IoT connectivity







Fast, visual and native Development



- RAD Studio provides powerful VCL controls for Windows 10 and enables FMX cross-platform development for Windows, Mac, iOS and Android

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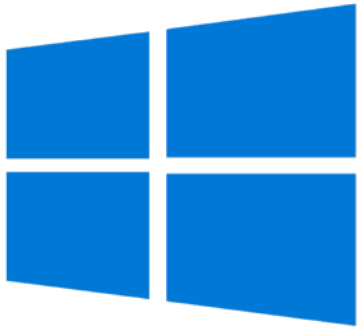
RAD Studio Platform Support

- Target the latest versions of major operating systems with one codebase!



October 2018 Update

macOS Mojave

Linux 64-bit

Ubuntu & Red Hat Enterprise (Delphi Only)

Android Pie

iOS 12

Officially Supporting

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Where native development makes sense

- Speed
- device specific hardware
- Support for/with 3rd party libraries
- Push notifications
- Android “intends” and Android services
- Security
- No need for obfuscation / protection of IP
- Offline mode
- …..

RAD Studio

Native Development

Visual Form Designer

One project – different platforms

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What is “Embarcadero RAD Server”?

- RAD Server is a turn-key application foundation for rapidly building and deploying services based applications
  - Service oriented architecture
  - Micro services
- RAD Server enables developers to quickly build new application back-ends or migrate existing Delphi or C++ client/server business logic to a modern services based architecture that is open, stateless, secure and scalable.
- RAD Server is easy to develop, deploy and operate making it ideally suited for ISVs and OEMs building re-deployable solutions. RAD Server allows you to take your existing code and convert it to REST API endpoints.

What is “Embarcadero RAD Server”?

- Runs on
  - Windows
  - Linux
  - including Amazon, Rackspace or Azure Clouds
- Webserver
  - IIS (Windows)
  - Apache (Windows, Linux)
- Development license / setup included in RAD Studio, Delphi, C++Builder
  - Setup as easy as 1-2-3

RAD Server technologies

- REST End Point Publishing
  - An all-in-one turnkey foundation for your application back end APIs and Services.

- Integration Middleware
  - Integrations provide out of the box connectivity with external servers, applications and services.

- Application Services
  - A collection of ready to use key built-in services to power your application. Includes core functions such as user directory services and user management, push notifications, user location tracking, and built-in data storage.

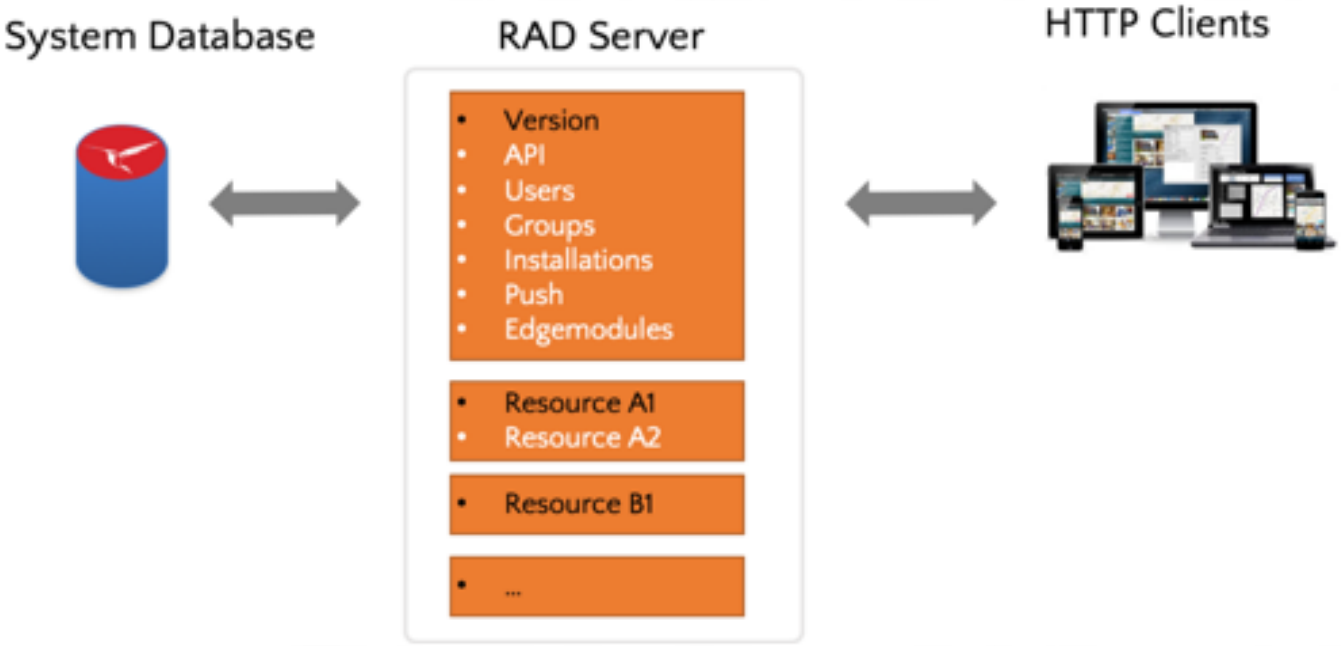
REST End-Point Publishing

{API}

API Analytics

Access Control

Desktop, Mobile & Web



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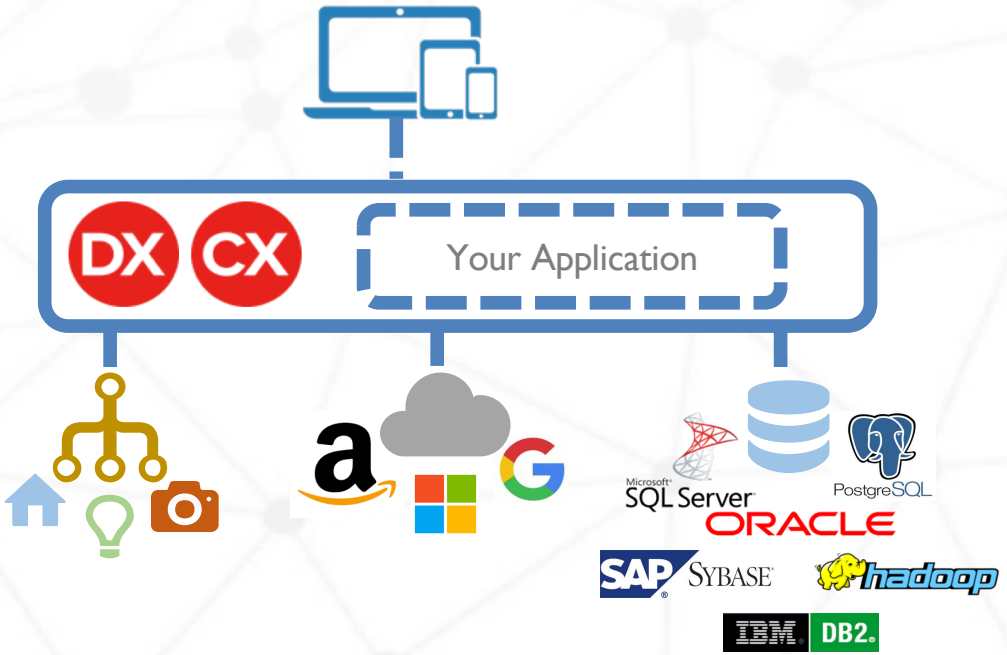
Integration Middleware

- Enterprise SQL Data Access und Connection Pooling
- IoT Smart Devices
- Cloud Services



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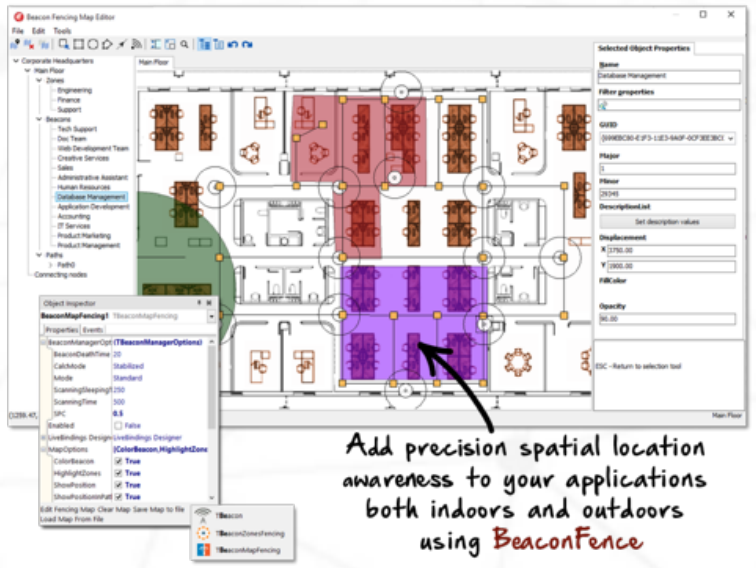
Core Application Services

- Push Notifications
- User/Group Management
- JSON Datastore
- User Location/Proximity



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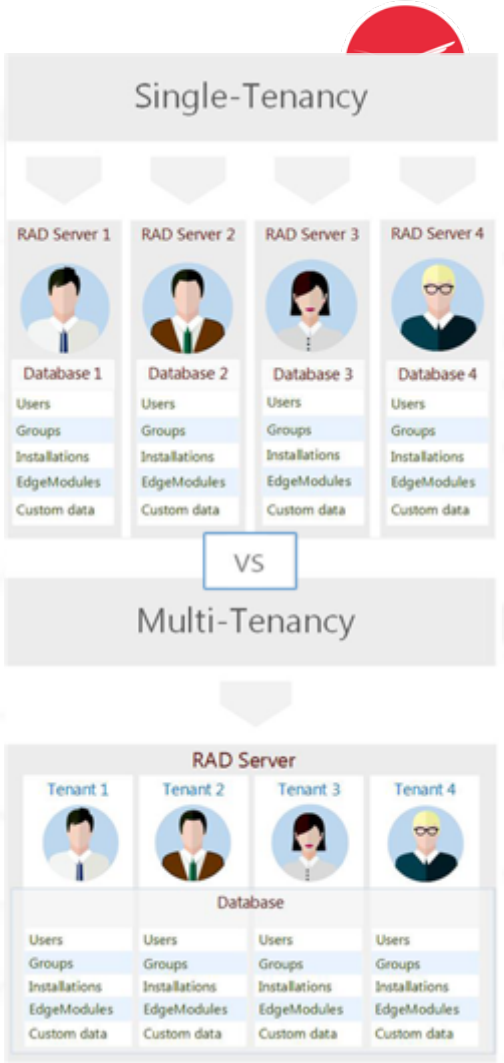
RAD Server: Multi-Tenancy-ready

- A single RAD Server instance with a single RAD Server database connection can now support multiple isolated tenants
- Each tenant has a unique set of RAD Server resources including Users, Groups, Installations, Edge Modules, and other data
- Tenant Administration: Create new tenants, edit existing ones, add, edit or delete tenants



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RAD Server

Easy to use

Highly scalable, high performance

Extensible

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Demo

RX
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Questions

Slides will be posted here:

https://sencha-community-days.de/2019/slides