

# Actian OpenROAD 11

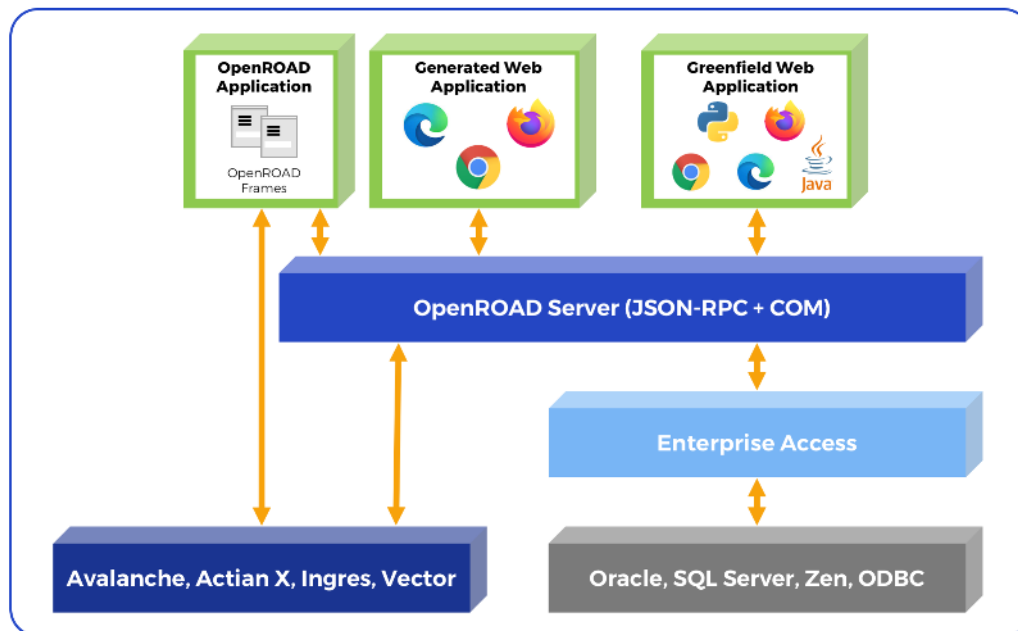
## Database-centric Rapid Application Development

OpenROAD is a database-centric, object-oriented, 4GL rapid application development (RAD) tool that lets you develop and deploy mission-critical, n-tier business applications on Windows, Linux and Unix connecting to databases such as Ingres, Microsoft SQL Server, Oracle, Actian Zen, Actian X and more via ODBC.

The OpenROAD platform makes it easy to restyle existing applications, extend and customize business objects, field types and frame types and add new behaviors.

### Key Benefits

With OpenROAD, developers can quickly build and deploy sophisticated high performance and high availability business applications on a variety of platforms, accessing a broad range of data sources. As a result, you can react to business changes faster and protect your investment in existing applications.



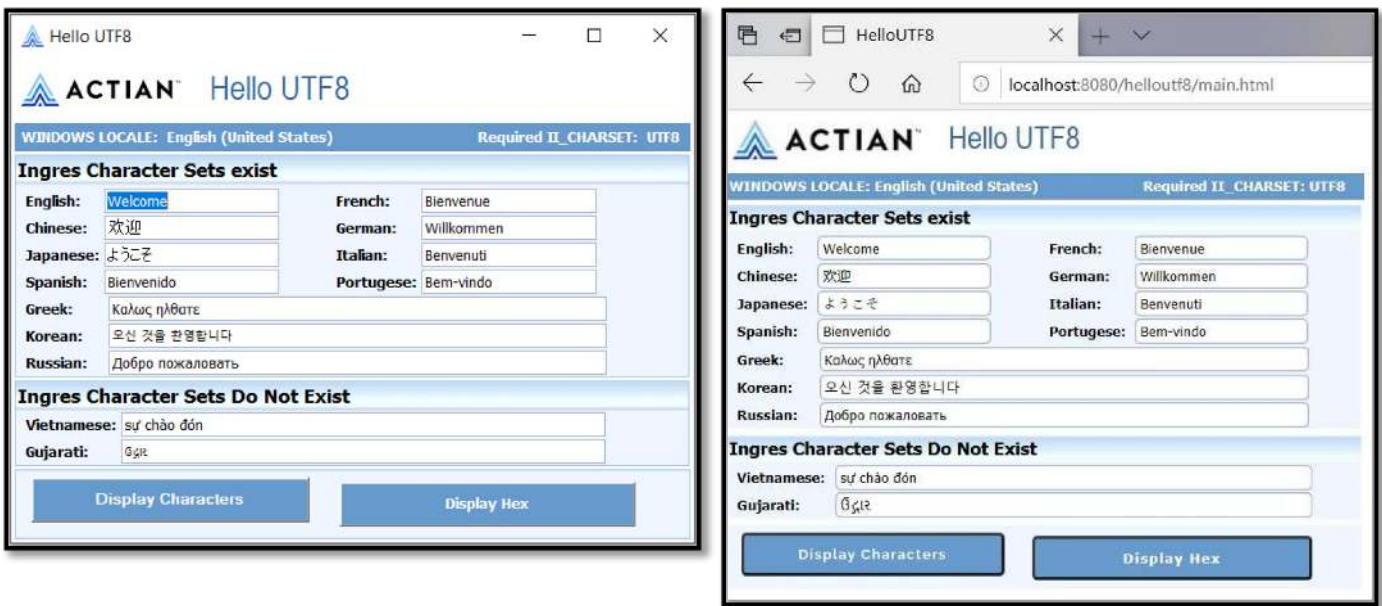
### Application Modernization

OpenROAD migration tools modernize “green screen” Ingres ABF applications by converting ABF forms into OpenROAD frames. Encapsulating ABF business logic and deploying it in an OpenROAD Server preserves and protects application development investment. OpenROAD thick-client applications can be transformed to browser-based equivalents without the cost, resource, effort or risk associated with rewriting or replacing code. Developers can then extend these applications for web and mobile deployment, using HTML5 and JavaScript. Transformed applications can be deployed on premises and in the cloud to give you the flexibility you need to address your business needs.

# Key Features

- **Rapidly and cost effectively build applications** that meet today's high performance and availability needs
- **Quickly deploy those applications** across a variety of platforms
- **Modernize “green screen” Ingres ABF and thick-client OpenROAD applications** with minimal code changes
- **Create and deploy web and mobile applications** with the same functionality as desktop applications
- **Protect existing system and database investments** by integrating them with new applications
- **Re-use existing and third-party components**, speeding development
- **Decouple business logic from presentation and database functions** increasing performance and availability while allowing business logic to be reused across applications
- **Re-deploy applications to other platforms** without changing code
- **Easily expose business logic as a web service**
- **Develop centrally and deploy remotely** to a variety of clients and servers

OpenROAD WebGen converts an OpenROAD application to a browser-based equivalent application



- **Create json and json-rpc applications that can call existing business logic that leverages procedures/SCP with BYREF**
- Create **json applications** with complex object serialization support
- Create **json-rpc applications for any web client**. Sub-classes can call existing business logic that leverages procedures/SCP with BYREF
- **Read and write to and from any resource** (website, web service, file, email) referenced by a URL object

# Components

## Development Workbench

- Platform independent
- Graphical forms development
- Object-oriented 4GL
- Interactive debugger
- Database independence
- Support for external controls
- Build desktop, web and mobile clients and server components

## OpenROAD Server

- Platform independent
- High-performance architecture
- Visual Server Farm Admin
- Client agnostic access via json-rpc
- Supports XML In/Out
- Client access via DCOM or HTTP

## OpenROAD Runtime

- Platform independent
- Rich browser or mobile (thin) or desktop (thick) applications
- Secure application delivery via LoadnRun option