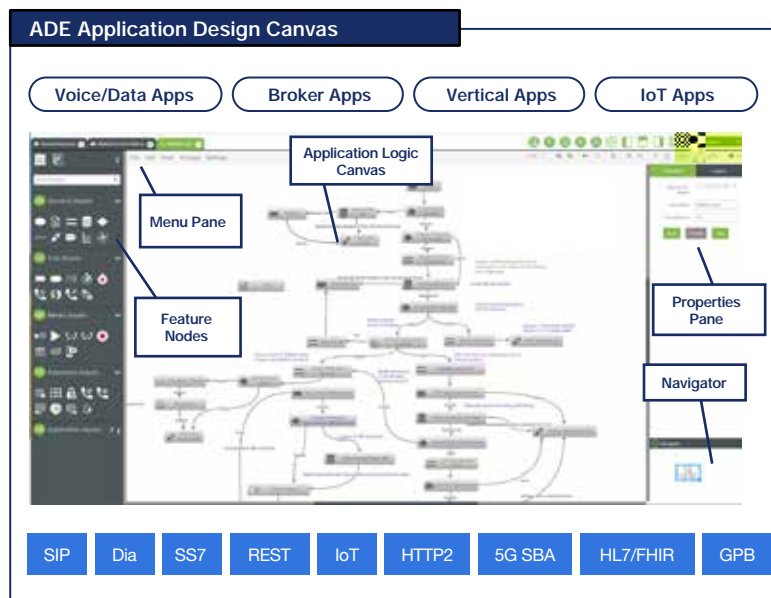# TNS Application Development Environment (ADE)

As communications service providers (CSPs) transform their networks, they are challenged with transitioning their legacy voice applications as the network evolves. 9rids of they, their, redundancy). They also desire to monetize the network by offering unique applications in a quick and cost-effective manner across multi-core networks.

TNS' Application Development Environment (ADE) is the application creation and customization engine that enables CSPs to meet their needs without exhaustive software programming application vaed useTE|Vence.oWiFI, IN, GSMEapplicatiissuveewt En -$tT00

ADE Application Design Canvas

Voice/Data Apps   Broker Apps   Vertical Apps   IoT Apps

Application Logic Canvas

Menu Pane

Feature Nodes

Properties Pane

Navigator

SIP | Dia | SS7 | REST | IoT | HTTP2 | 5G SBA | HL7/FHIR | GPB

User-friendly interface that supports hassle-free application development environment

Create, debug and package the application .sar file

Deploy the application .sar file on the remote CAS platform

Create database schema

Supports application management tasks such as deploy, activate, deactivate and undeploy

Provides seamless integration with TNS SPS REST APIs

Feature Nodes Library

ADE has an extensible framework to add feature nodes and making it available for application development. Existing feature nodes are categorized in general, call routing, media and enterprise (shown below). New feature nodes are continuously added in each new ADE release expanding the scope of application development while keeping pace with the industry.

General

- Start
- CDR
- Assignment
- DB query
- Condition
- Expression
- External call
- Switch
- Process

Call Routing

- Route call
- Terminate
- Event handler
- Create timer
- Stop timer
- Call hold
- Resync
- Dial-out

Media

- Play
- Play and collect
- Conference
- Record
- Stop media

Enterprise

- TDR
- ODR
- Account code
- Block
- Screening
- ACD
- Dial pattern
- Send alarm

ADE provides unique abilities for CSPs to quickly and cost effectively develop new applications, test them in the market and deploy to their installed base of customers. TNS' ADE key features make it the best application development environments available in the market.

Key Features

- Builds converged applications
- Hides complexity through protocol handler
- Supports Multiple networks – legacy, NGIN and IMS
- Supports multiple protocols – INAP, CAMEL, MAP, AIN, SIP, ISC, HTTP, WebSocket, Diameter and SMPP

- Supports XML export and import of application business flows
- Supports functional block breakdown of large/complex flows
- Saves trees as reusable templates
- Contains hooks for external Java libraries

- Supports SOAP or Rest APIs for external DB integration
- Supports application tree validation
- Support for local and global variables
- Allows user configurable node labels
- Prints application logic tree

To find out more about how TNS can help you with a wide range of telecom solutions:

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