

EL**E**VATE 2024

# PowerBuilder 2025 Feature Highlights

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# Session Agenda

## Release Focus for 2025: *Revamped Development!*

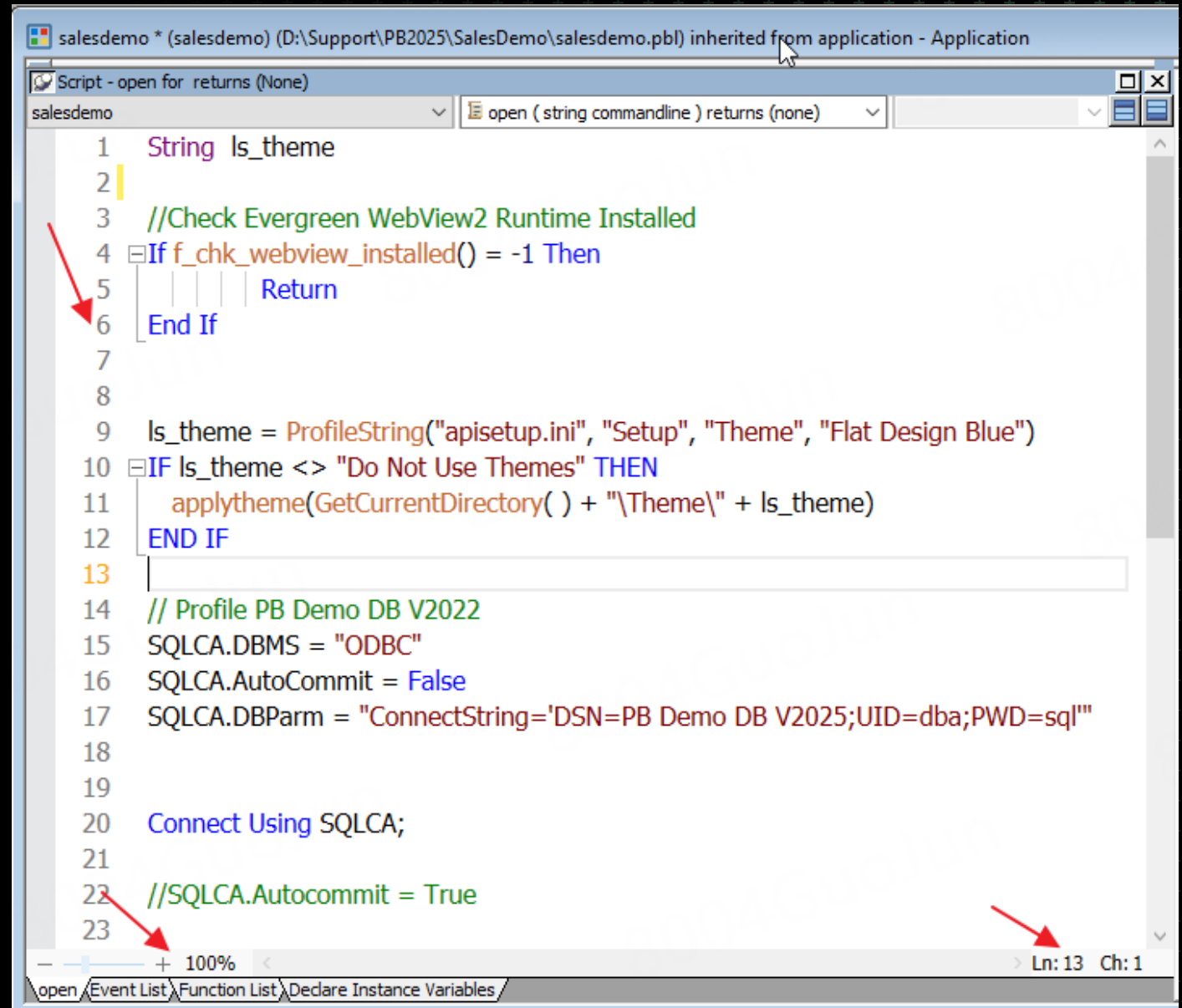
- New Code Editor
- Plain-Text Source Files
- New Compiler Architecture
- Codeless UI Modernization (RibbonView for Menu Object)
- Codeless REST API Development

Tip: Product Roadmap → <https://www.appeon.com/developers/roadmap>

# New Code Editor

## New Code Editor

- Collapsible code blocks
- Better color coding
- Improved AutoScript
- Improved code searching
- Line numbers
- Zoomable
- Word wrapping
- ... & lots more!



The screenshot displays a code editor window titled "salesdemo \* (salesdemo) (D:\Support\PB2025\SalesDemo\salesdemo.pbl) inherited from application - Application". The editor shows a script with the following code:

```
1 String ls_theme
2
3 //Check Evergreen WebView2 Runtime Installed
4 If f_chk_webview_installed() = -1 Then
5     Return
6 End If
7
8
9 ls_theme = ProfileString("apisetup.ini", "Setup", "Theme", "Flat Design Blue")
10 IF ls_theme <> "Do Not Use Themes" THEN
11     applytheme(GetCurrentDirectory( ) + "\Theme\" + ls_theme)
12 END IF
13
14 // Profile PB Demo DB V2022
15 SQLCA.DBMS = "ODBC"
16 SQLCA.AutoCommit = False
17 SQLCA.DBParm = "ConnectionString='DSN=PB Demo DB V2025;UID=dba;PWD=sql'"
18
19
20 Connect Using SQLCA;
21
22 //SQLCA.Autocommit = True
23
```

Red arrows highlight specific features: one points to the collapsible code block (lines 4-6), another points to the line numbers (line 23), and a third points to the zoom level (100%) and line/character indicators (Ln: 13 Ch: 1) at the bottom right. The bottom status bar includes tabs for "open", "Event List", "Function List", and "Declare Instance Variables".

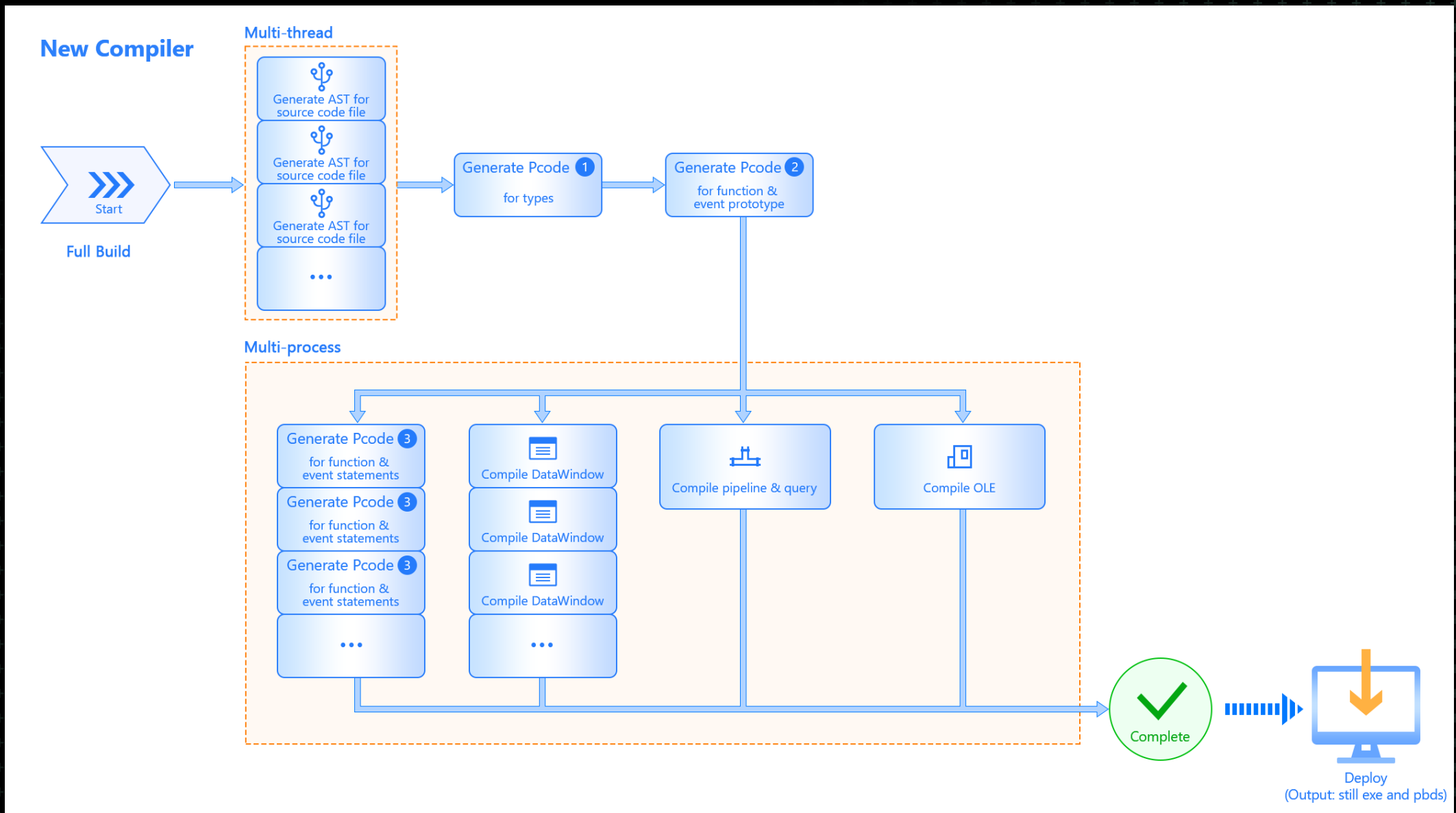
# New Code Editor Demo

# Plain-Text Source Files

## New *Solution* Environment

- Automatic *Workspace* to *Solution* migration by IDE
- **All** PowerBuilder object source will then be stored as *plain text* files
- Solution implementation then provides a “**one pass**” compile
- Solution also provides a “**multi-threaded**” compiler
- Compile times now dramatically reduced. For example ...
  - Medium sized app compile from **1hr 31m 21s** down to **9m 33s**

# New Compiler Architecture



# New Compiler Demo



# Codeless UI Modernization

## RibbonView for Menu Object

### 100% Automatic...

- Automatic display menu in RibbonBar style with **zero** coding!
- Controlled by one MDI Frame property setting
- Automatic short-cut toolbar is available
- Works with UI Themes feature
- Works with MDI TabbedView feature



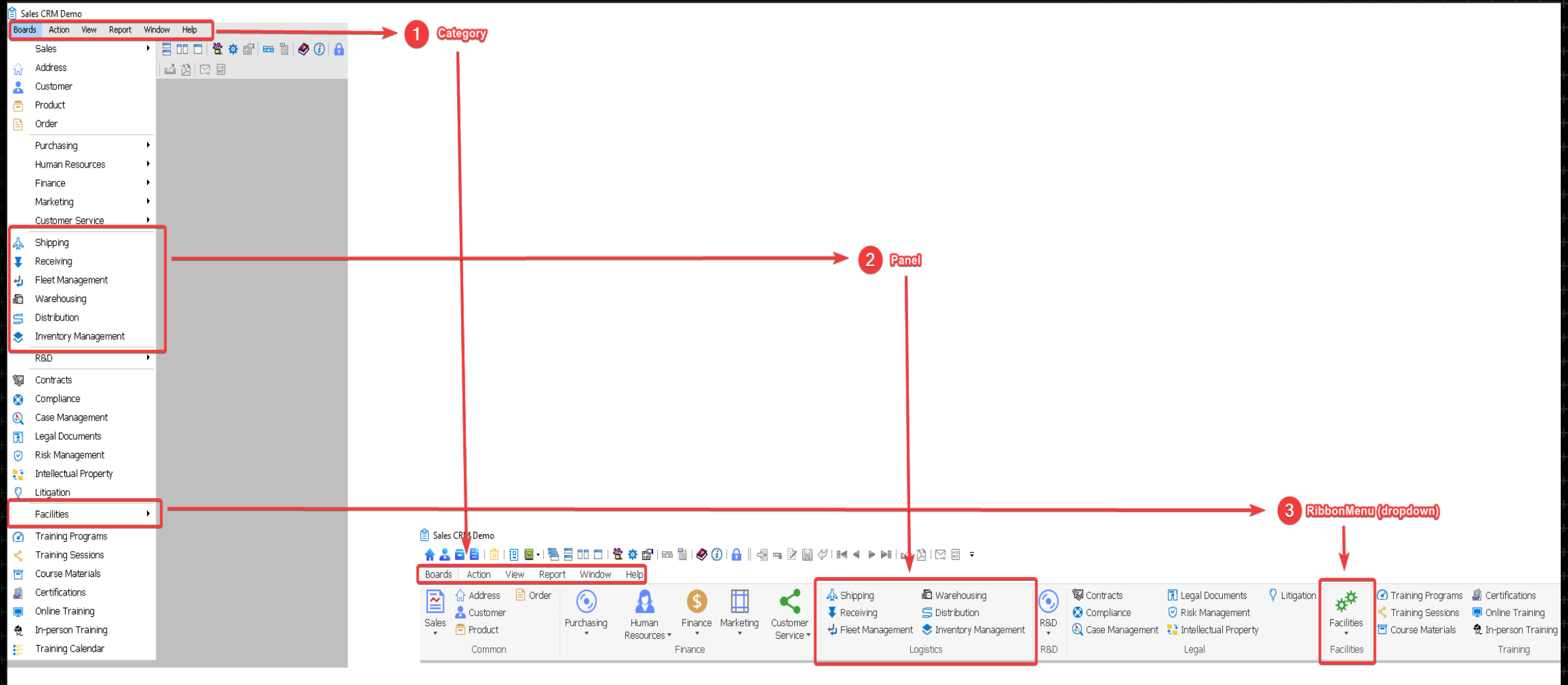
# Codeless UI Modernization

## Customize the Menu Object

- Through the Menu painter
  - New image & button size properties for the RibbonView
  - Add Ribbon Panels by simply adding menu items
  - Rearrange menu items via simple Drag & Drop
- Using PowerScript via the new *MenuChanged* event

# Codeless UI Modernization

## Menu-in-Ribbon View – Automatic (Anatomy)



# RibbonView for Menu Demo

# Codeless REST API Development

## Creating a Web API → .NET DataStore with C# Scaffolding

- Uses a *new* **Project** type to **automatically** create REST APIs
- REST APIs will *include* basic CRUD logic of the selected DWO
- REST APIs will work with data in JSON format
- Builds the C# Model, .NET DataStore object, and scaffolds code for services and controllers **automatically**
- The scaffolded services *provides* insertion points for business logic

# Codeless Rest API Demo

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**Thank you!**