

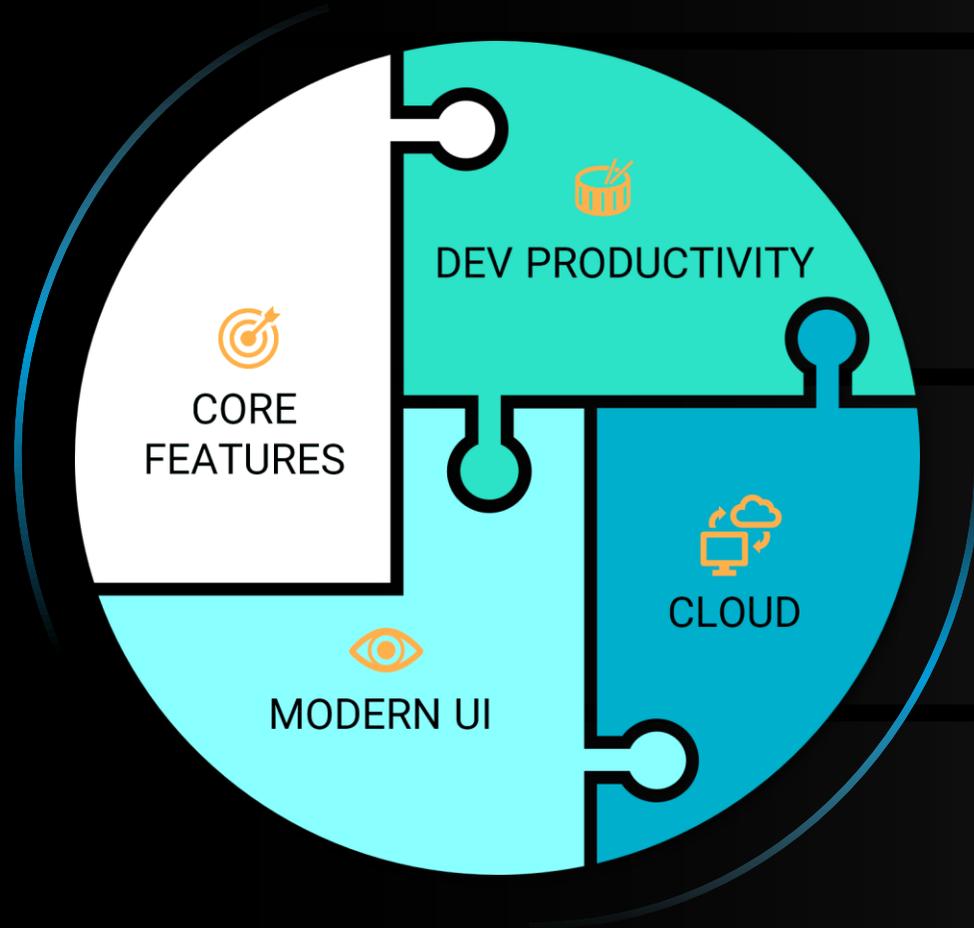


Evolution of PowerBuilder

Armeen Mazda, Appeon CEO
November 20, 2023



Our Focus



PowerBuilder 2017 – Jun 2017

Smooth Transition

PowerBuilder 2019 – May 2019

Major Expansion

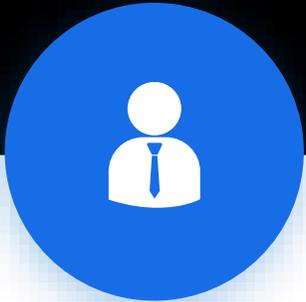
PowerBuilder 2021 – Aug 2021

Major Expansion

PowerBuilder 2022 – Sep 2022

5-Year Refinement

Our Customers



Customers

18,000+ Customers have adopted PowerBuilder to rapidly develop business applications.



Industries

Most **Fortune 500** companies across most industries are Appeon customers.



Team Size

More than 700 Appeon customers have teams of **15 to 300** PowerBuilder developers.

Core Features

Calling Web APIs

HTTPClient

OAuth/JWT

Encryption

HTTP/2

TLS 1.3

Data Encoding

JSON



Core Features

PDF

Native PDF

PDF Builder

The screenshot displays the PowerBuilder interface for a 'Sales Report (2013 VS. 2012)'. The main window contains a table of sales data and a pie chart titled 'Sales Percentage by Category'. The table lists categories: Bikes, Components, Clothing, and Accessories, with their respective sales volumes and total sales in USD. The pie chart shows the percentage distribution of sales: Bikes (83.14%), Components (12.87%), Clothing (2.45%), and Accessories (1.55%). A 'Properties - DataWindow' panel is visible on the left, and a 'Menu' bar is at the top. A large 'PowerBuilder' watermark is overlaid on the chart area.

Category Name	Sales Volume	Total Sales (USD)
Bikes	37753	36,277,074.85
Components	24707	5,613,602.50
Clothing	37179	1,067,665.21
Accessories	32153	675,054.65

Sales Percentage by Category

- Accessories: 1.55%
- Bikes: 83.14%
- Clothing: 2.45%
- Components: 12.87%

Sales Report (2013 VS. 2012)

Modern UI

Codeless UI Modernization

UI Themes

TabbedView MDI

Sales CRM Demo - [Order]

Sales CRM Demo Home

Lists Close All Close Address Customer Product Order Statistics Add Delete Edit Save Su
Export Cancel Create PDF Se

Windows Boards Action

Order x Customer x Address x

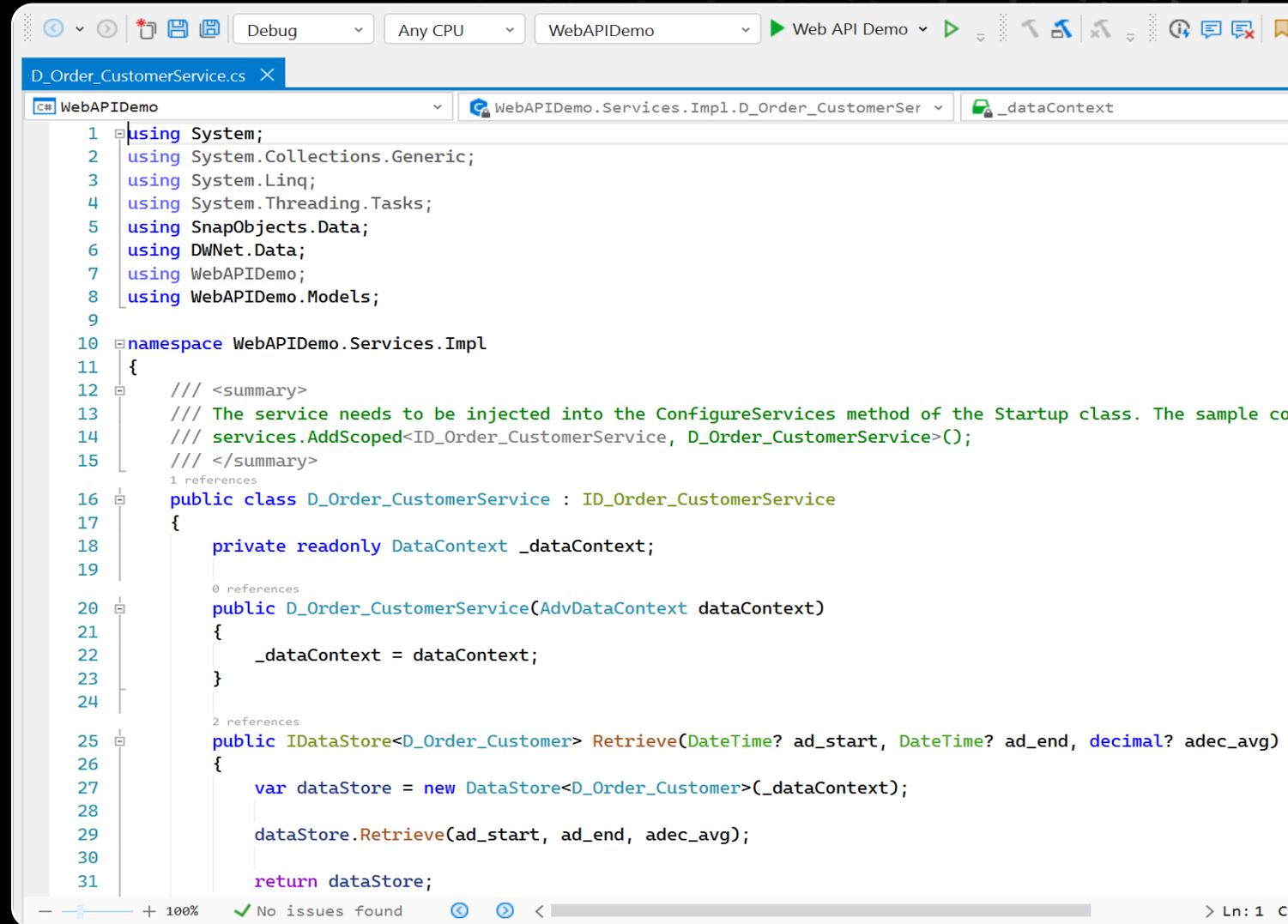
Sales Order ID:	5762	Order Date:	01/31/2013
	<input checked="" type="checkbox"/> Online Order Flag *		
Status:	In process	Due Date:	02/12/2013
Ship Date:	02/07/2013	Modified Date:	02/07/2013
Customer:	5566	PO Number:	
Credit Card ID:	55551607731051	Ship Method:	XRQ - TRUCK GROU
Bill To Address:	7, rue des Ecoles	Credit Card Approval Code:	630606Vi96454
Account Number:	10-4030-015923	Ship To Address:	7, rue des Ecoles
Subtotal:	2,443.35	Tax Amount:	
Freight:	61.08 *	Total Due:	
Comment:			

Browse Detail

Cloud

Creating Web APIs

.NET DataStore

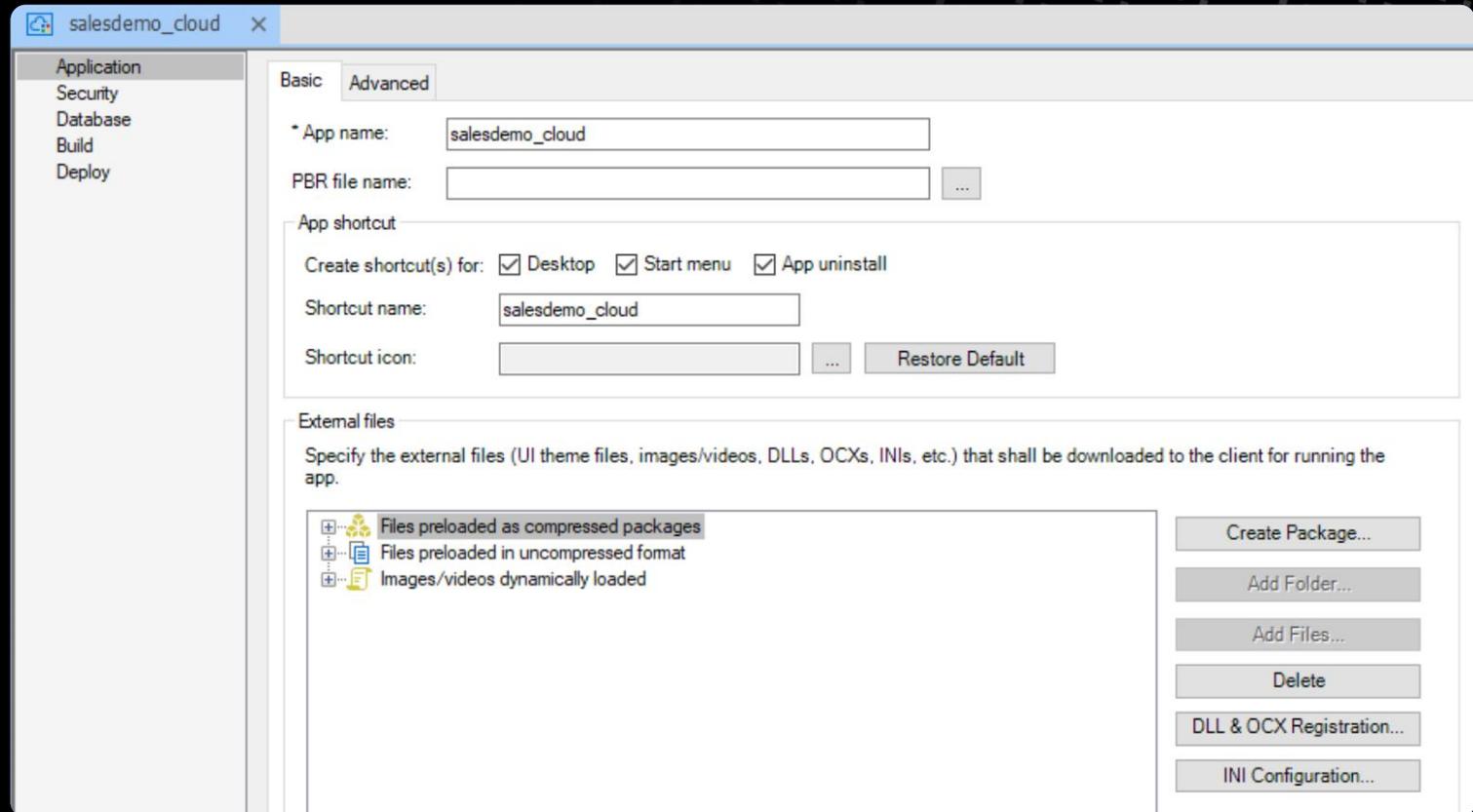


```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Threading.Tasks;
5 using SnapObjects.Data;
6 using DWNet.Data;
7 using WebAPIDemo;
8 using WebAPIDemo.Models;
9
10 namespace WebAPIDemo.Services.Impl
11 {
12     /// <summary>
13     /// The service needs to be injected into the ConfigureServices method of the Startup class. The sample code
14     /// services.AddScoped<ID_Order_CustomerService, D_Order_CustomerService>();
15     /// </summary>
16     public class D_Order_CustomerService : ID_Order_CustomerService
17     {
18         private readonly DataContext _dataContext;
19
20         public D_Order_CustomerService(AdvDataContext dataContext)
21         {
22             _dataContext = dataContext;
23         }
24
25         public IDataStore<D_Order_Customer> Retrieve(DateTime? ad_start, DateTime? ad_end, decimal? adec_avg)
26         {
27             var dataStore = new DataStore<D_Order_Customer>(_dataContext);
28
29             dataStore.Retrieve(ad_start, ad_end, adec_avg);
30
31             return dataStore;
32         }
33     }
34 }
```

Cloud

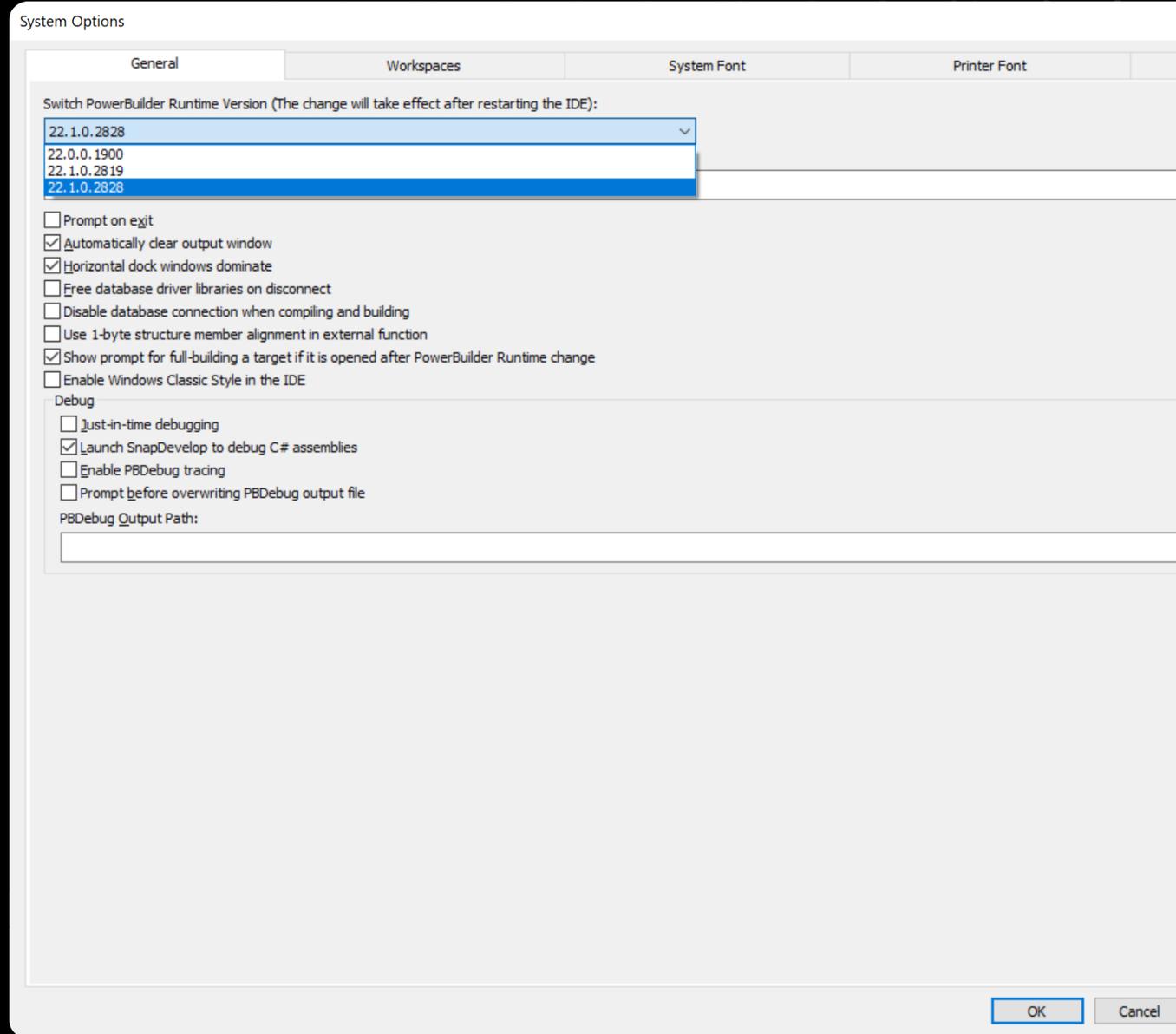
Internet-Accessible Apps

PowerServer Deployment



Dev Productivity

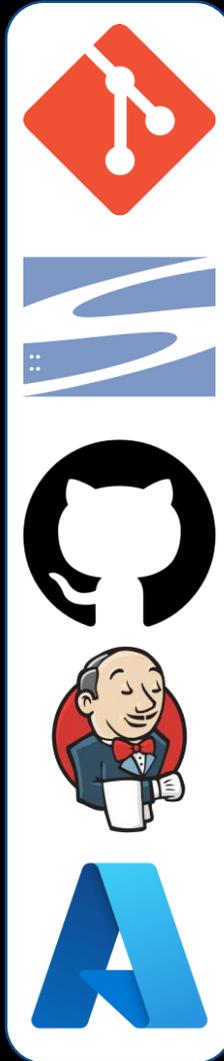
Decoupling Runtime & IDE



Dev Productivity

Continuous Development

PBAutoBuild



```
Command Prompt
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\apeeon>pbautobuild220 /f "C:\Users\Public\Documents\Appeon\PowerBuilder 22.0\Code Examples\Example_exe_exe.json"
00:20:56 [Normal] PBAutoBuild Version: 22.2.0.3234.
00:20:56 [Normal] Work Path: C:\Program Files (x86)\Appeon\PowerBuilder 22.0\pbautobuild220
00:20:56 [Normal] Runtime Version: 22.2.0.3234.
00:20:56 [Normal] Load file: C:\Users\apeeon\AppData\Local\Appeon\PowerBuilder 22.0\pb.ini
00:20:56 [Normal] Start processing parse json to model code segment.
00:20:56 [Normal] End processing parse json to model code segment.
00:20:56 [Normal] Start processing download source code segment.
00:20:56 [Normal] End processing download source code segment.
00:20:56 [Normal] Start processing compile segment.
00:20:56 [Normal] Start compiling the source code.
00:20:56 [Normal] Deploying project p_examples_exe
00:20:56 [Normal] C:\Users\Public\Documents\Appeon\PowerBuilder 22.0\Code Examples\Example_exe_exe.exe
00:20:56 [Normal] Refreshing metadata in PBLs...
00:20:56 [Normal] Creating compilation list...
00:20:58 [Normal] Creating C:\Users\Public\Documents\Appeon\PowerBuilder 22.0\Code Examples\Example_exe_exe.exe (d search object dddw.srd)...
```

Next Evolution?

Revamped Development

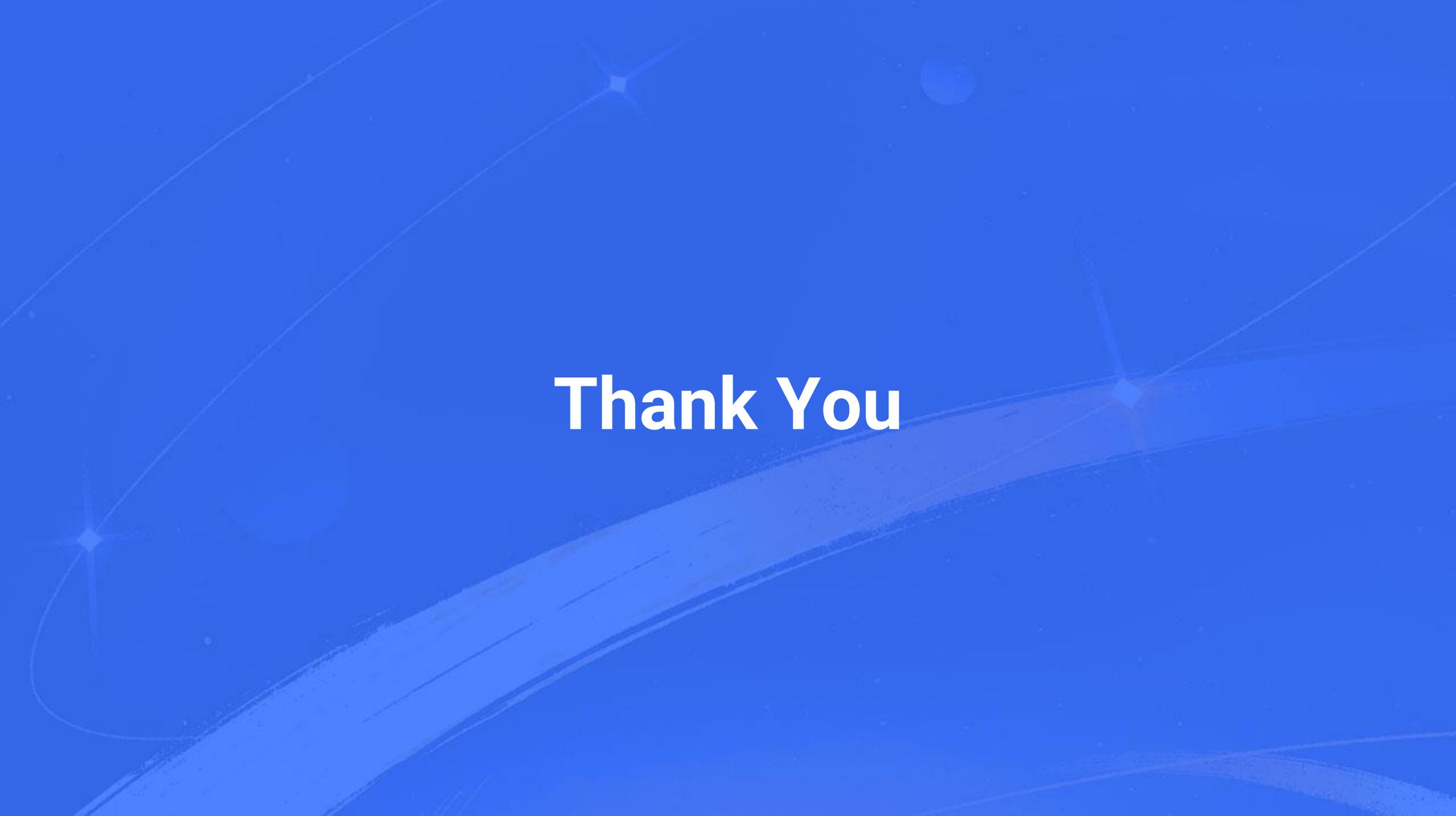
The screenshot shows a SQL Server Enterprise Developer IDE window titled 'Script - open for returns (None)'. The script content is as follows:

```
101 SQLCA.DBMS = "OLE DB"  
102 SQLCA.LogPass = "guest"  
103 SQLCA.LogId = "apeon"  
104 SQLCA.AutoCommit = False  
105 SQLCA.DBParm = "PROVIDER='SQLNCLI11';DATASOURCE='192.168.1.1';PROVIDERSTRING='database=qa_data'  
106  
107 if |  
108     If Then  
109     If Then Else  
110     If Then Elseif  
111     If Then Elseif Else  
112  
113     MessageBox("", sqlca.sqlerrtext)  
114 end if  
115     MessageBox("", sqlca.sqlerrtext)  
116     string c, string t  
117  
118 nvo_dotnetobjct task  
119 task = create nvo  
120  
121  
122 open(w_main)  
123
```

IntelliSense suggestions are visible:

- At line 107, a dropdown menu shows options: 'If Then', 'If Then Else', 'If Then Elseif', and 'If Then Elseif Else'. A tooltip for 'if' is displayed: 'if Code snippet for if statement Note: Tab twice to insert the 'if' snippet.'
- At line 119, a dropdown menu shows the option 'task'. A tooltip for 'task' is displayed: 'task Include comments Include strings Rename symbol's file Rename will update 1 reference in 1 object. Apply (Enter)'. The 'Rename symbol's file' checkbox is checked.

The status bar at the bottom shows 'open', 'Event List', 'Function List', and 'Declare Instance Variables'.

The background is a solid blue color with several abstract, light blue curved lines and starburst patterns scattered across it. The lines are thin and elegant, while the starbursts are small, multi-pointed shapes that resemble distant stars or light flares.

Thank You