EL<u><u>E</u>VATE 2024</u>

New .NET DataStore and PowerClient Features in PowerBuilder 2025

Bruce Armstrong, Integrated Data Services December 2-3, 2024



DISCLAIMER

This presentation was authored by volunteer(s) in the Appeon community. This is not a work for hire by Appeon. The views and opinions expressed in this presentation are those of the author(s).

Its contents are protected by US copyright law and may not be reproduced, distributed, transmitted, displayed, published or broadcast without the prior written permission of Appeon. All rights belong to their respective owners.

Any reference to third-party materials, including but not limited to Websites, content, services, or software, has not been reviewed or endorsed by Appeon. YOUR USE OF THIRD-PARTY MATERIALS SHALL BE AT YOUR OWN RISK.

Appeon makes no warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. Appeon assumes no responsibility for errors or omissions.

Session Agenda

- New .NET DataStore project
- · PowerClient project painter optimization

Presenter Profile



Bruce Armstrong



https://www.linkedin.com/in/bru ceaarmstrong/

Recent Projects

 OpenSourcePFCLibraries - The open-source PowerBuilder Foundation Class libraries

Key Skills

- · PowerBuilder
- · Oracle PL/SQL

- · Java
- · C#
- · C++

Company Profile



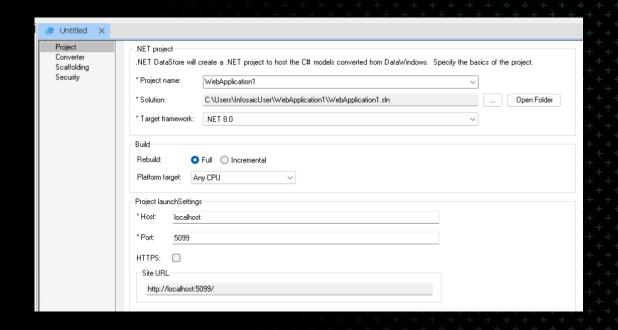
Integrated Data Services

IDS has delivered innovative program and financial management information system solutions to the Federal Government for nearly three decades. Our flagship Enterprise Requirements Management product, CCaR™ is used by the DoD and Federal Agencies including the Air Force, Space Force, Army, USSOCOM, DSCA, DHA, JSF and DOE.

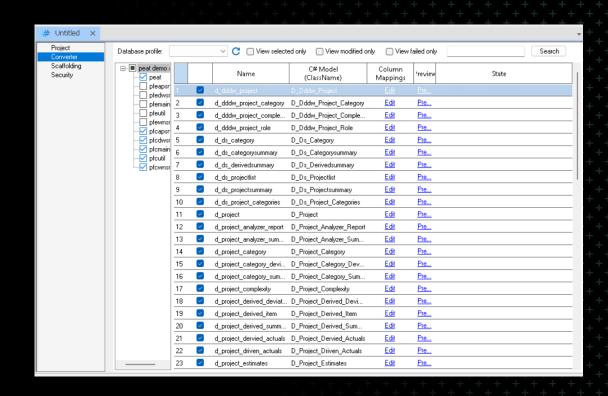
 The new project type is available in the New dialog



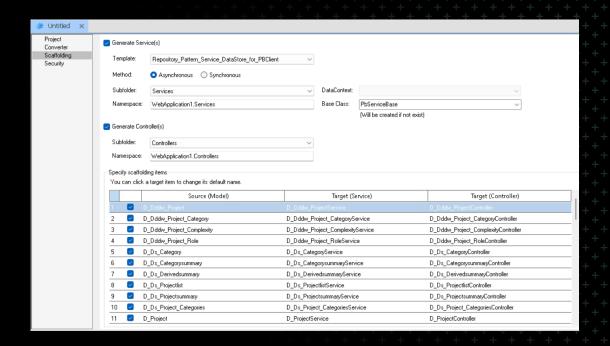
- Project tab
 - Be sure to change the Name/Solution if you are generating more than one project
 - Otherwise, you'll overwrite previous projects.



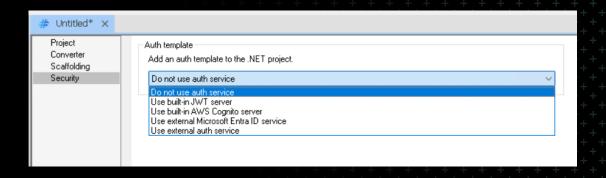
- · Converter Tab
 - Lists all of the DataWindow objects in the application
 - · Selects them all by default
 - You do need to create a Database profile
 - · You can customize the entity names, mappings, etc. or just leave the defaults



- Scaffolding tab
 - The main item of interest there is the Template (covered in later slide)
 - You can customize the model/service/controller names here



- Security Tab
 - Allows you to select authentication method (or none at all)

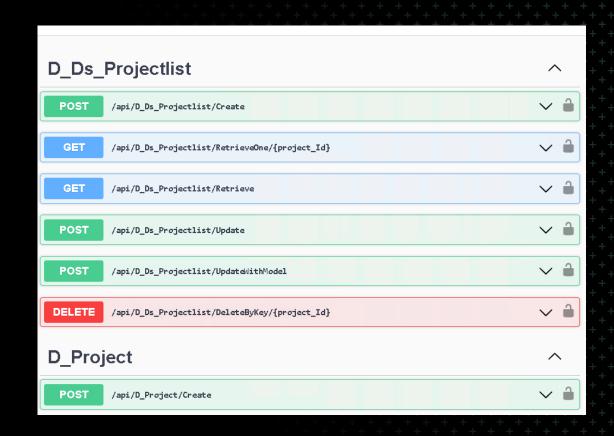


Templates option

- NonPBClient
 - Creates 5 methods for every DataWindow object (covered in later slide)
- PBClient
 - Creates 3 methods, regardless of number of DataWindow objects (covered in later slide)
- AnyClient
 - Generates both sets of methods



- NonPB Client API methods
 - With the exception of Delete, all take and/or return plain JSON
 - · Delete does not take or return any JSON



· PB Client API methods

- RetrieveWithModel
 - Used to retrieve a single DataWindow control or datastore
- UpdateWithModel
 - Used to update a single DataWindow control or datastore
- RetrieveOrUpdateWithModels
 - Used with the BatchDataObjects object to do retrieve and/or update any number of DataWindow controls or datastores in a single call



 Retrieve/Retrieve One sample code (plain JSON)

 RetrieveWithModel sample code (PowerBuilder custom JSON)

 RetreiveOrUpdateWithModels sample code (PowerBuilder custom JSON)

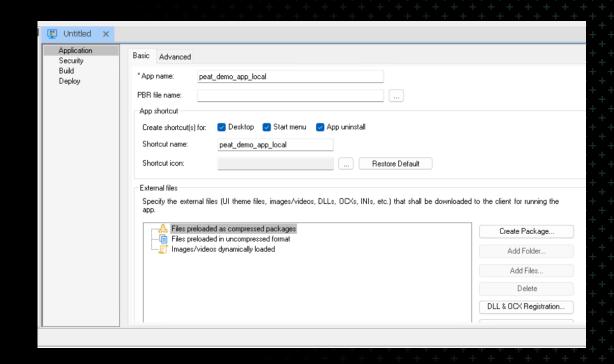
DEMO: New .NET DataStore project

PowerClient project painter optimization

PowerBuilder 2022
 PowerClient project painter

PowerClient project painter optimization

- PowerBuilder 2025
 PowerClient project painter
 - · FTP deployment is no longer an option
 - You can use a third-party tool to do FTP deployment



Session Agenda (recap)

- New .NET DataStore project
- PowerClient project painter optimization

Connect with Us



community.appeon.com

Discussions, tech articles and videos, free online training, and more.



facebook.com/AppeonPB

Encourage us with a "like", see cool pics, and get notified of upcoming events.



twitter.com/AppeonPB

Follow Appean and community members to get the latest tech news.



linkedin.com

Build up your career profile, and stay in contact with other professionals.



youtube.com/Appeon

Share important Appeon videos with others; no account registration required.

Thank you

Q&A Time

