

PowerBuilder User Group Meeting

35. Meeting and Conference of the PBUGG (e.V.)

	Welcome	<i>Ludwin Feiten</i>
	Integration and access to special Hardware using PowerServer ¹⁾ This includes: Access to an integrated camera to take photos and read barcodes; use of NFC-Tags to identify stuff or resources; integration of RFID and Barcode-Scanner; Printing on mobile printers with Apple Airprint, Android Print Service or other direct printer communication; Payment with card readers (for VISA, MasterCard, Eurocard, etc.) <i>Including: Source code examples /Extracts for Implementation</i>	<i>Heino Hellmers s+f Datentechnik GmbH</i>
	Ability and Restriction for PowerBuilder Multithreading ¹⁾ Fields of application for multithreading incl. technical peculiarities of the development. Multithreading vs. multiprocessing - advantages and disadvantages, choice of method for which purpose and practical examples.	<i>Georg Jung axeton GmbH</i>
	Test with PB Unittest ¹⁾ Why is it worth using unit tests for Powerbuilder projects when there is a debugger? What exactly can you achieve with these tests and where do you reach the limits of unit tests? What requirements should the code to be tested meet and how can existing source code be modified to meet these requirements? How can PUnit be integrated into daily work?	<i>Torsten Matschull CTS Eventim AG</i>
	PB 2017 R3: REST ²⁾ You will learn how to retrieve data directly from a REST web service into a DataWindow using the new RESTClient; how to retrieve data from a REST web service into a DataWindow using the new HTTPClient and the new JSONParser; how to send updates from a DataWindow to a REST web service using HTTPClient, JSONGenerator and JSONParser; and information about additional REST features that are planned for PowerBuilder 2017 R3.	<i>Bruce Armstrong PowerBuilder MVP</i>
	PB 2017 R3: Git ²⁾ You will learn how to set up a Git server (using Bonobo Git), create a Git repository, add the PowerBuilder workspace to the repository, download the repository to a new workspace, commit source code changes, and handle/avoid merge conflicts.	<i>Bruce Armstrong PowerBuilder MVP</i>
	PB 2017 R3: SVN ²⁾ You will learn how to set up a Subversion server (using VisualSVN), create a SVN repository, add the PowerBuilder workspace to the repository, download ('checkout') the repository to a new workspace, commit source code changes, and handle/avoid merge conflicts (e.g., locking).	<i>Bruce Armstrong PowerBuilder MVP</i>
	PB 2017 R3: Postgress ²⁾ You will learn how to install PostgreSQL, install the PostgreSQL ODBC driver, create an ODBC profile for PostgreSQL, work with PostgreSQL in the PowerBuilder database painter, use PostgreSQL procedures and functions via RPCFUNC in transaction objects, and use PostgreSQL from a DataWindow, including support for stored procedure based DataWindows and auto-incrementing columns.	<i>Bruce Armstrong PowerBuilder MVP</i>
	PB 2017 R3: Compiler Enhancements ²⁾ You will learn what the new features were added as well as some features that were available but not well documented. Also, Bruce will cover limitations of the standalone compiler and how to work around them.	<i>Bruce Armstrong PowerBuilder MVP</i>
	PowerBuilder Roadmap update: ²⁾ What will be in PB 2017 R3 and PB 2018 We'll see live demos of some of the new features planned for 2017 R3 and 2018. This tentatively includes: new JSON features, encryption, OAuth support, additional support for Git and SVN features (2017 R3) as well as support for TFS, the C# assembly target, and the C# web api target (2018).	<i>Bruce Armstrong PowerBuilder MVP</i>
	Apeon's Vision Roadmap für PowerBuilder ²⁾ Armeen Mazda talking about strategic plans for Powerbuilder Answering the questions from the Auditorium.	<i>Armeen Mazda CEO Apeon Inc.</i>
	Dinner and networking	

PowerBuilder Education Seminar ²⁾

Code Quality and Design Principles

This seminar presents how you can leverage design principles to improve PowerBuilder code. It introduces code metrics and design principles like “clean code” and the SOLID principles. It also presents how you can implement interfaces and other design concepts in PowerScript. It gives a solid foundation for implementing design patterns.

Main learning points:

- Terminology
- Code metrics
- Design principles
- Practical code techniques

Coffee breaks + Lunchbreak

*Michael Kramer
PowerBuilder
Educator.*

¹ Presentation is in German

² Presentation is in English