



Swiss
PowerBuilder
User Group

September 2019

Dear SPBUG member,

We hope you have had a wonderful summer and is getting up to full speed with your favorite development tools again, including PowerBuilder.

At our event in May, our main speaker was Bruce Armstrong who gave us an overview of some of the new enhancements in PowerBuilder 2019. A copy of the source code for all Bruce's sample programs can be downloaded from our SPBUG website under Event History. Don't worry too much if you haven't had a chance to take closer look at these samples or to try out any of the new enhancements.

At our next event, we will catch up on this by getting our hands on PB2019 and use some of the biggest enhancement ourselves. **Mr. Marco Meoni** (certified PB instructor, Appoon MVP and Elevate conference speaker) will take us through

- a gentle introduction to implementing C# for PowerBuilder developers
- using PowerServer and C# Web API integration, plus
- Kestrel Web Server and C# REST API deployment.

Please see the pre-requisites for your notebook in the Agenda on the next page and prepare well ahead of the event (to be on the safe side).

Again, we also have the pleasure of having our own speaker and member, **Mr. Georg Brodbeck** (Elevate conference speaker) giving us his presentation from this year's Elevate conference.

As usual in autumn, after Marco's and Georg's sessions, the **annually general assembly** will take place. We also need to **elect/re-elect a steering committee member and an auditor** as Damian Dominiuk and Ulrich Abele have finished their two-year turns.

Please take a quick look at the minutes from last year's AGM @spbug.ch, to be approved at this AGM.

To close the day, there will be a prize draw for all participants, who stay until the end of the meeting and have filled in the evaluation forms.

The event will take place on:

Tuesday, November 12th from 9:00 until 17:00

at

Hotel Novotel Zurich City-West, Schiffbaustrasse 13, CH-8005 Zurich

How to get there: The Hotel Novotel is located a few minutes' walk from Zurich Hardbrücke train station or easy reachable with tram 4 to Technopark. Public indoor parking is also available at Hotel Novotel. Further details can be found at <http://www.novotel.com/gb/hotel-2731-novotel-zurich-city-west/index.shtml#blockRoute>.

Please **register** (name, address, company and email address) at the SPBUG registration web page <http://www.spbug.ch> **no later than Thursday October 31st**.

There is no meeting fee for SPBUG members. The meeting fee for non-members is 250 SFr, payable **in advance**, or you can pay the yearly membership fee of 100 SFr. to become a personal member of the user group.

We look forward to seeing you at the SPBUG meeting, and please already register now.

Your SPBUG steering committee,
Damian, George, Nuno and Preben

Agenda

9:00	-	9:15	Arrival, coffee talk and welcome.
9:15	-	10:45	Marco Meoni <u>C# for PowerBuilder developers: a gentle introduction</u> Learn the basis of the C# language from the perspective of PowerBuilder developers. The session goes through a number of code snippets to help understanding the new PB2019 REST Web API feature. It outlines pitfalls and caveats that are usually encountered while moving the first steps into C# with the new SnapDevelop IDE.
10:45	-	11:00	Coffee break
11:00	-	12:30	Marco Meoni <u>PowerServer and C# Web API integration: Why, When, How</u> Learn how to leverage PowerServer for moving PB applications to Web and Mobile with little effort. The session explains how the new PB2019 C# Web API feature offers the perfect fit for PowerServer-enabled applications. It goes through step-by-step guideline to C# data model, service and controller components for creating scalable REST API, and compares performance of CRUD operations between PowerServer built-in DataWindow management and REST API called from RESTClient object.
12:30	-	13:45	Lunch ¹
13:45	-	15:15	Marco Meoni <u>Kestrel Web Server and C# REST API deployment</u> Learn the new open-source Kestrel web-server used to host ASP.NET Core applications. The session explains how it works, the benefits and the command-line interface. It shows how to publish and host apps developed in SnapDevelop 2019. It also explains how to configure Apache or MS IIS to forward client requests to the Web API application running on Kestrel.
15:15	-	15:35	Coffee break
15:35	-	16:35	Georg Brodbeck <u>How to Enhance your Application's UX.</u> Learn techniques to make your applications more attractive and better to use. Topics covered include: Understanding the basics about UX quality with PowerBuilder, how to work around PowerBuilder limitations to make a better UX, and how to use the new UI Theme feature of PowerBuilder 2019.
16:35	-	16:45	Short refreshment break
16:45	-	17:15	SPBUG General Assembly - financial results - member status - the past and the coming year - re-/election of steering committee members treasurer and auditors
17:15	-	17:30	Evaluation forms, prize drawing and end of meeting

Pre-requisite software installed on your notebook for actively doing the exercises in Marco Meoni's sessions:

- PowerBuilder 2019. Installation guide:
https://www.appeon.com/support/documents/appeon_online_help/pb2019/installation_guide_for_pb/online_installation.html
- SnapDevelop 2019. Installation guide:
https://www.appeon.com/support/documents/appeon_online_help/snapdevelop2019/installation_guide/#preparing-your-environment
- SQL Server Express or SQL Server. SQL Server 2017 Express LocalDB Download link:
<https://go.microsoft.com/fwlink/?LinkID=799012>
 1. Install SQL Server Express or SQL Server
 2. Download sample DB from <https://github.com/Microsoft/sql-server-samples/releases/download/adventureworks/AdventureWorks2012.bak>
 3. Restore the DB

¹ SPBUG will be paying the lunch at the meeting.