PXWeb

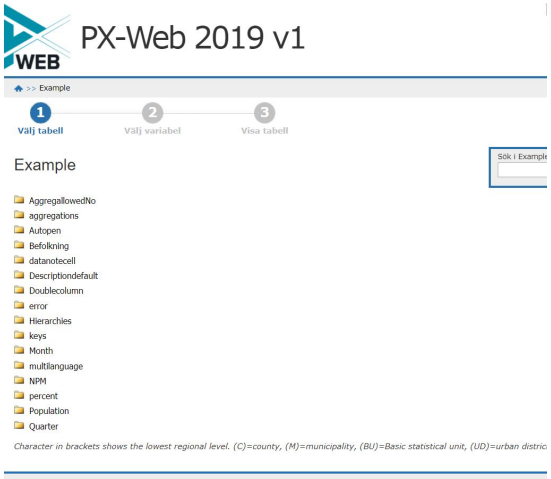
PXWeb presentation I3S 2021

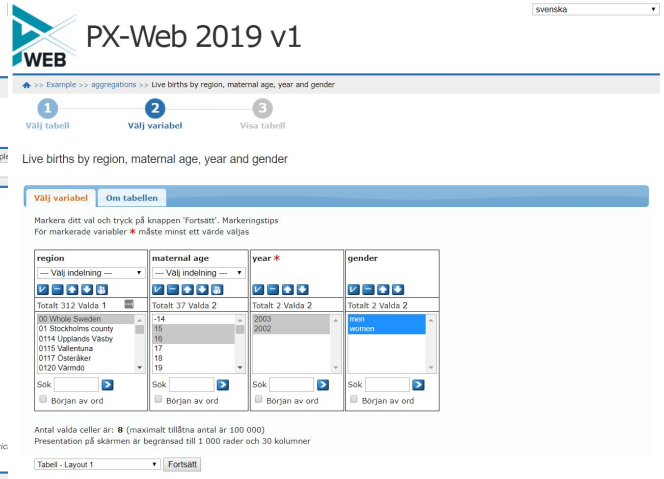
Background

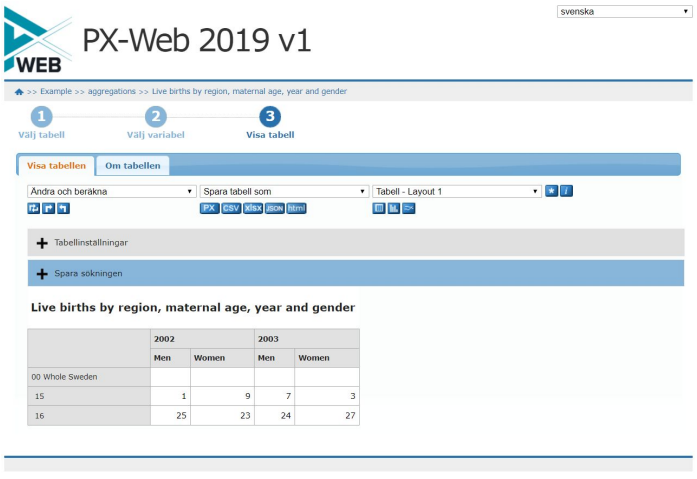
PX-Web used for publishing statistics in a database at the web and is since 2016.(Organisations)

Background

- Through the administration tool included **configurations** can be made to PX-Web.
- Can be **expanded** with custom code.
- **API**:s & Saved Querys.







Technical prerequisites

- PX-Web runs under IIS on a **Windows** machine.
- PX-Web I distributed in a **zip**-archive.

Objectives

- Publish PX-Web as a **shared service** for dissemination of statistics.
- The transformation would include adapting to open standards such as **.NET Core** and HTML5 as well as assuring that the service can be used in cloud and/or **containerized** environments.
- Make PX-Web **Open Source** and an ongoing development to extend the functionality of the service.

Distance to CSPA

PX-Web fulfils the following CSPA features:

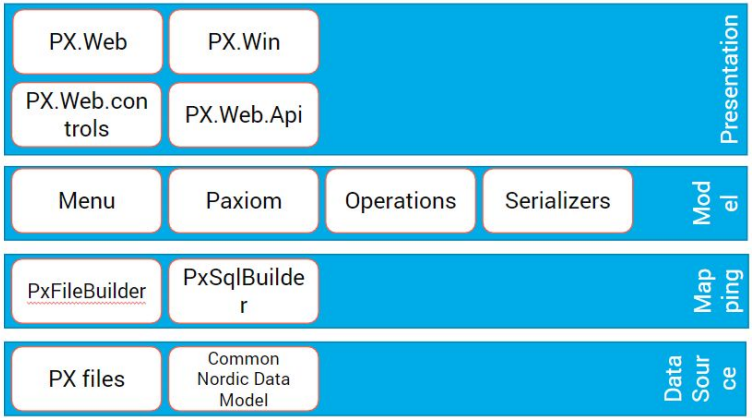
- F1. Documentation
- F2. Internationalization
- F6. Security solutions
- F8. Sandboxing for exploration(Demo)

In the near future we hope to fulfill the following CSPA features:

- F3. Open Source
- F9. Containerization

The original master plan service 2

- Version 2020v1 Maj 2020 Open Source
- Containerize version 2020v1
- PX.Web-API 2.0 .Net core summer 2020
- PX.Web Nextgen Planned to start after summer 2020
- Containerized version of the PX-Web Nextgen



Today

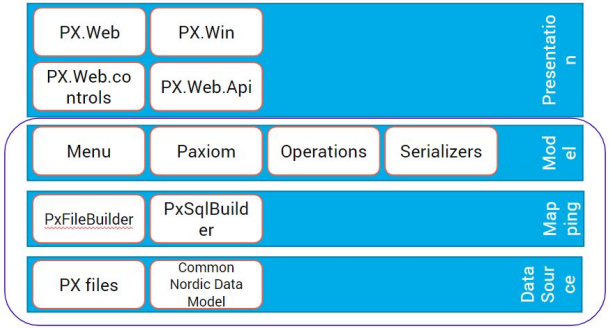
This document describes deliverable D1.3.1 of the I3S ESSnet.

D1.*.1 deliverables are software packages that are « made available in a form usable for its packaging and installation on the platform provided by WP3, and including runnable software, source code, technical documentation and test reports » (from project submission).

The following table give the addresses corresponding to these different elements.

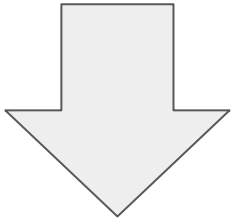
Software name	PX-Web
Software description	https://github.com/I3S-ESSnet/PxWeb
Code, documentation & Docker images	https://github.com/I3S-ESSnet/PxWeb/releases/tag/d1.3.1
Test reports	https://travis-ci.org/runejo/PxWeb
Quality report on tagged version	https://codeclimate.com/github/runejo/PxWeb/builds/32
Latest quality report	https://codeclimate.com/github/runejo/PxWeb

- Version 2020v1 Maj 2020 OpenSource & containerized.
- PX.Plattform upgraded to .Net Standard
  - Except for Search. Because of the lucene beta component.
  - Plans to extract search component so that they can be configured with other search engines.
  - The first search engine implemented by SCB will be Elastic search.
  - In Github all new development is done in Github: https://github.com/statisticssweden/PxWeb
- PXWebComparer - The testing application.
- PX.Web-API presentation layer not done.
- Next PX.Web 2021v1 release this week (WCAG)



The new master plan

- PX.Web-API (presentation layer) beginning of 2021
- PX.Web Nextgen summer 2021



- PX.Web-API (presentation layer) end of 2022
- Extract search component end of 2022
- PX.Web Nextgen unknown