



elektronický portál územních samospráv

---

electronic portal of local governments

ePUSA – OpenSource  
eGovernment solution

## What is ePUSA?

- back-office portal of local governments
- ancestor of the “cities and towns registry”
- launched in September 2003
- targeted towards Public Administration (editing address data)

## Interested subjects

- Ministry of Interior
  - national guarantee
- **Vysocina Region** and Plzensky Region
  - piloting regions
- Regions of the Czech Republic
  - customer
- Marbes consulting
  - solution provider

## Primary objectives

- make the communication (not only) between local governments more efficient
- build a public and wide-known database
- make it the primary source for other applications and databases
- make data accessibility as easy and compatible as possible

## Primary objectives

- make the system reliable and distributed
  - 1 central installation vs. N local
  - required for crisis management
  - local children as up-to-date as possible
  - data available even in case the central servers are unreachable  
(e.g. due to damaged ICT infrastructure)

## Conditions

- Act No. 106/1999 Coll. on Free Access to Information
- ISVS standard to disclose the selected information on the public administration to enable the remote access, release 1.2
  - Statutory disclosed information – 17 points
  - The outline of the procedure description – 30 points – life situations

## Usage of already existing sources

- registry of address identification
  - describes regions, cities and towns
  - goes into such a detail as streets and addresses
- data published by Czech Statistical Office
  - population
  - area

## Multiplatform solution

- web application
  - based on XHTML/CSS
- powered by PHP engine
  - multiplatform by itself
  - can be run on various web servers
- most commonly used web servers
  - Apache Web Server
  - Microsoft IIS

## Multiplatform database

- database independent
  - internal connectors can allow any relation database server
- most commonly used database servers
  - MySQL
  - Microsoft SQL Server
  - ready for Oracle

## Common data exchange

- Web Services - SOAP
  - defined by standard
  - the only recommended interface
  - transported via HTTP(S) connection
  - platform independent
  - implemented in a lot of modern languages (including Java, C, Perl and many more)
  - disadvantage: low performance (XML parsing)

## Common data exchange

- LDAP v3
  - defined by standard
  - used to create contacts and distribution lists in the local directory services
  - also supports Microsoft Active Directory
  - contacts become available in MS-Outlook

## Data exchange partners

- Portal of the Public Administration (PA)
  - <http://portal.gov.cz>, a Ministry of Informatics project
  - aimed at the whole PA including ministries and another government institutions (e.g. Czech Statistical Office, revenue authorities...)
  - targeted towards citizens
  - changes made in ePUSA are automatically submitted by web services to the Portal of the PA



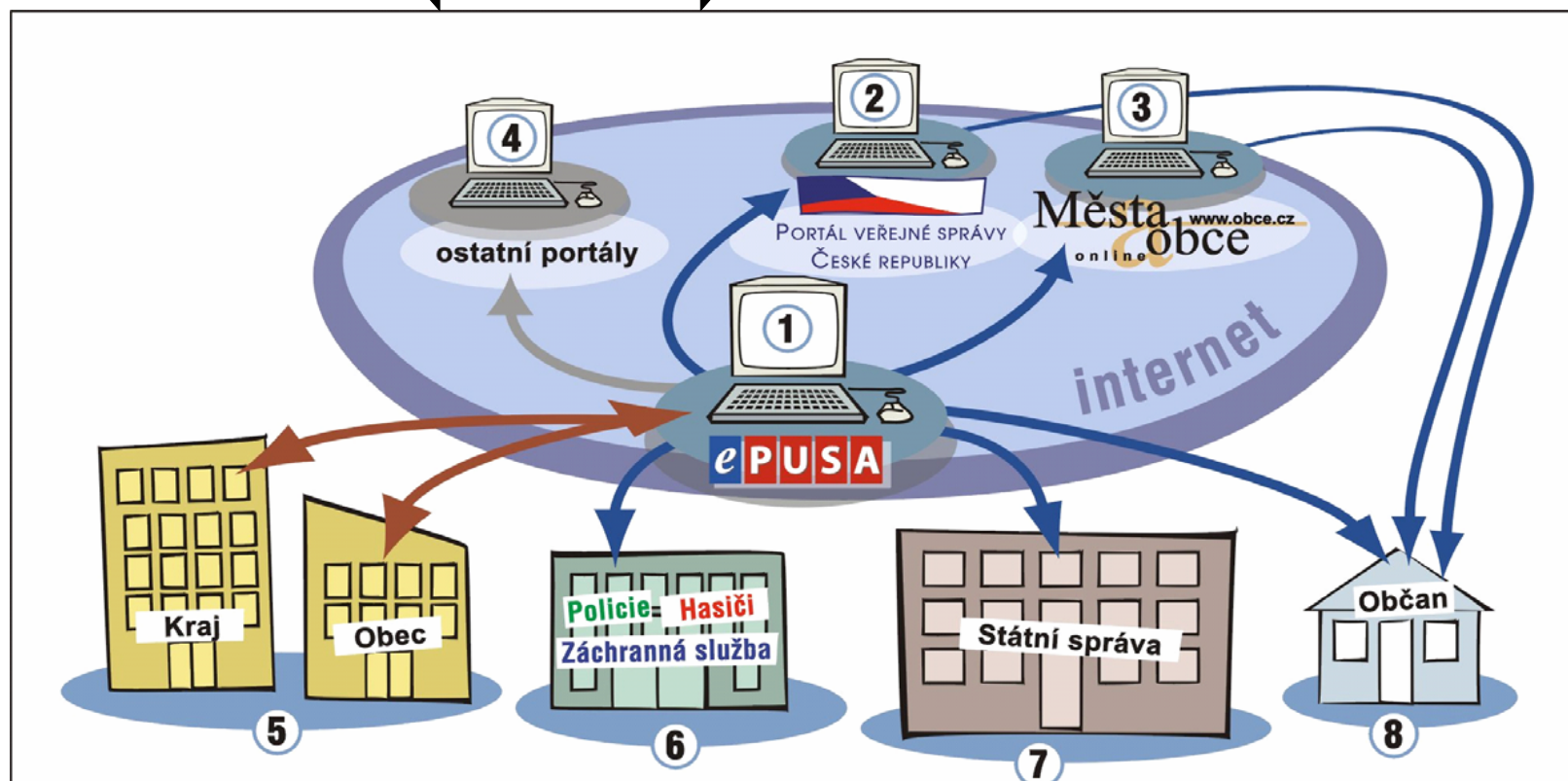
www.gov.cz



www.epusa.cz



elektronický portál územních samospráv



1. Elektronický portál územních samospráv 2. Portál veřejné správy ČR 3. Města a obce OnLine 4. Ostatní portály 5. Krajské a obecní úřady 6. Integrovaný záchraný systém a krizové řízení 7. Státní správa, ministerstva 8. Občan – domácí uživatel

## Data exchange partners

- General Directorate of the Czech Fire Rescue Service
  - data needed for crisis management
  - database of contacts used for emergency calls and warning system for local authorities
  - map of competencies of responsible authorities in region
  - GIS support

## Data exchange partners

- internal networks of regions and cities
  - automatically updated list of organizational structure incl. contact persons and their roles (transfer from HR system to ePUSA)
  - automatically updated local directory services for enhanced mailing (transfer from ePUSA to a local LDAP server)

## Data exchange partners

- official portals of regions
  - presentation of data stored in ePUSA
  - custom add-ons based on existing database (GIS add-ons, various custom applications)

# E-mails

**ePUSA** stav naplnění Přesunout mapu nad území kraje...

Měřítko 1: 1093536

**SEZNAM VRSTEV**

- Stav naplnění údajů obcí
  - zadané IČO
  - zadaný telefon
  - zadaný email
  - zadané www stránky
  - zadané IČO, telefon i e
- Správní hranice
  - NUTS II
  - Hranice krajů (stav r.1960)
  - Kraj
  - Okres
  - Obec s rozšíř. působností
  - Obec s pov. obec. úřadem
  - Obec

**Překreslit mapu**

Automatické překreslování

(c) Plzeňský kraj

0 96km

# www pages

The screenshot shows a web browser window with the URL `www.epusa.cz` and the page title `stav naplnění`. The browser's address bar contains `Přesunout mapu nad území kraje...`. The map displays the Czech Republic with a scale of 1:1979207. The legend on the right, titled **SEZNAM VRSTEV**, includes the following items:

- Stav naplnění údajů obcí
  - zadané IČO
  - zadaný telefon
  - zadaný email
  - zadané www stránky
  - zadané IČO, telefon i e
- Správní hranice
  - NUTS II
  - Hranice krajů (stav r.1960)
  - Kraj
  - Okres
  - Obec s rozšíř. působností
  - Obec s pov. obec. úřadem
  - Obec

Buttons for **Překreslit mapu** and  **Automatické překreslování** are visible. A scale bar at the bottom indicates 0 to 96km. The copyright notice at the bottom left reads `(c) Plzeňský kraj`.

# Thanks for Your Attention

Jaroslav Svoboda  
jsvoboda@mvcrcr.cz