

Public Administration Communication Infrastructure (KIVS)	
Summary	
<b>ID</b>	CZE04
<b>Initiative</b>	Czech Republic
<b>Short description</b>	<p>The Public Administration Communications Infrastructure (hereafter referred to as KIVS) integrates several data networks from different public authorities into one data network. Therefore, it interconnects public administration bodies, such as ministries, central administrations, regional authorities, municipal offices. KIVS provides access to central information and ensures secure data and voice communications. KIVS is designed as a centralised communications infrastructure with a central service point (CMS - Centrálního místa služeb in Czech).</p> <p>The Public Administration Communications Infrastructure was created in 2001. By 2007 all state administrations had obliged to join KIVS. The rationale behind the KIVS' concept was, to set up one secure, interconnected and efficient network, and to end the monopoly of data providers' by introducing more suppliers.</p>
<b>Owner</b>	Ministry of the Interior of the Czech Republic.
<b>Contact</b>	<p>Ministry of the Interior of the Czech Republic:</p> <p><b>Department of information technology and communications:</b>  Ing. Vladimír Velas - vladimir.velas@mvcr.cz;  Michaela Aronová - sekretariat5@mvcr.cz;</p> <p><b>Communication infrastructure development department of public information systems:</b>  Ing. Václav Vávra - vaclav.vavra@mvcr.cz;  Dorothy Dušičková - dorotka.dusickova@mvcr.cz;  Ing. Jan Blažek - jan.blazek@mvcr.cz;  Vlastimila Thomasová - vlastimila.thomasova@mvcr.cz.</p> <p><b>eGovernment department:</b>  Klímová Alena - alena.klimova@mvcr.cz;  Šedivec Tomáš - tomas.sedivec@mvcr.cz;  Felix Ondřej - ondrej.felix@mvcr.cz;  Brožková Renata - renata.brozkova@mvcr.cz.</p> <p>Source: <a href="#">Click here</a></p>
<b>Type</b>	Service
<b>Sub-Type</b>	Infrastructure
<b>Context</b>	Cross-sector mainly
<b>Base Registry type</b>	<p><b>ROS</b> - The Registry of Persons (Companies) contains reference data about legal entities, self-employed natural persons and public bodies. ROS is managed by the Czech Statistical Office.</p> <p><b>ROB</b> - The Registry of Inhabitants provides reference data about inhabitants, foreigners and other natural persons having rights and duties in the Czech Republic. ROB is under the responsibility of the Ministry of the Interior.</p> <p><b>RPP</b> - The Registry of Rights and Responsibilities of Public Authorities contains reference data about legal documents "eSbirka", competencies of public bodies, and rights and duties of public authorities. RPP is also under the responsibility of the Ministry of the Interior.</p> <p><b>RUIAN</b> - The Registry of Territorial Identification, Addresses and Real Estates gathers reference data about territorial identification, real estate and addresses. RUIAN is managed by the Czech Geodetic and Cadastral Office.</p>

<b>Operating model</b>	<p>In order to be connected to KIVS, an operator would need the approval from the Ministry of the Interior. The operator would also have to submit a request to connect to the central service point (CMS). All the details to connect are provided via a document called "Standard connection to the CMS", which is available on the Ministry's portal: <a href="http://www.mvcr.cz/clanek/komunikacni-infrastruktura-verejne-spravy-278660.aspx">http://www.mvcr.cz/clanek/komunikacni-infrastruktura-verejne-spravy-278660.aspx</a>.</p> <p>The CMS 2.0 - Concept of solutions and services document can be accessed <a href="#">here</a>.</p>
<b>IPR</b>	Not Available/Not Found
<b>Status</b>	Operating
<b>More details</b>	
<b>Functionalities</b>	<p>KIVS is a centralised communications infrastructure with a central service point (CMS). The CMS is a fundamental building block of KIVS and is the only place to exchange data between different information systems of public administration. It is also the only place that links the public (e.g. citizens) to its key governmental electronic services via the internet and private networks. Public authorities can be connected to specific registries (ROB, ROS, RPP, and RUIAN) or the Czech POINT (the one-stop access point to eGovernment services) through KIVS. KIVS is also connected to s-TESTA, a telecommunications interconnection platform that serves to exchange information at EU level. Therefore, KIVS is in concurrence with the communications systems of the EU Member States and EU institutions.</p>
<b>Design/Architecture</b>	<p>The conceptual model of the Public Administration Communication Infrastructure (KIVS) is represented as follows:</p> <p>Source: <a href="https://sites.google.com/site/cojetoegov/symbol-e-governmentu">https://sites.google.com/site/cojetoegov/symbol-e-governmentu</a></p>
<b>Technologies</b>	<p>Technologies behind VIKS/CMS include:</p> <ul style="list-style-type: none"> <li>- MPLS VPN;</li> <li>- Gigabit Ethernet technology (IEEE 802.3 from. IEEE 802.3 ab) or 10Gigabit Ethernet (IEEE 802.3 ae).</li> </ul>
<b>Specifications</b>	XML, HTTPS.

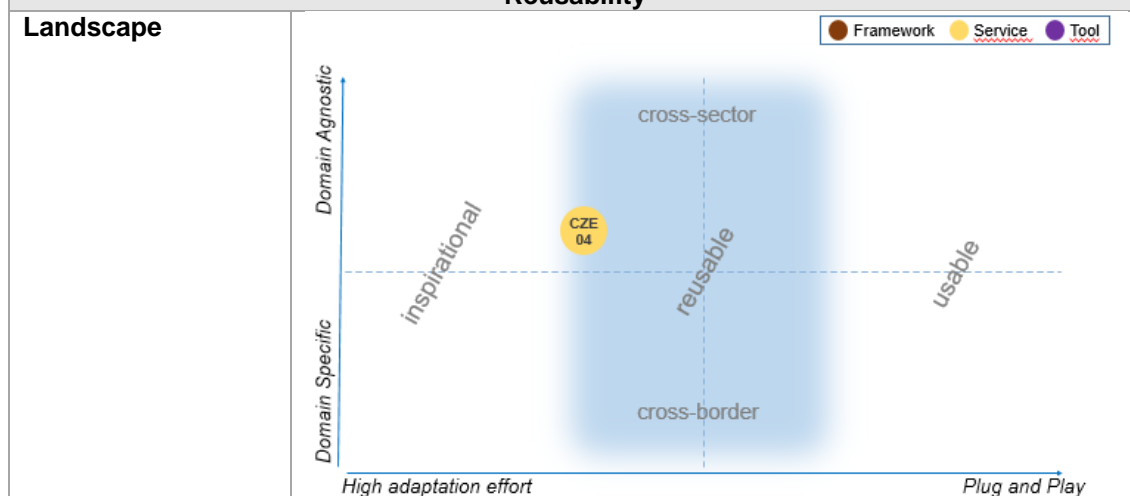
<b>Management</b>	The Ministry of the Interior is responsible for the management and maintenance of the Public Administration Communication Infrastructure (KIVS).
<b>Governance</b>	The project is managed and coordinated by the Ministry of the Interior, more specifically the Department of Information Technology and Communications. The Ministry contracted Telefonica O2 and GTS Novera, two telecommunication operators to set up the communications services infrastructure.
<b>Sustainability</b>	The Ministry of the Interior is further developing the KIVS and CMS as a core communications infrastructure for reliable and secure data interconnections between its different participants.
<b>Documentation</b>	<a href="http://www.mvcr.cz/clanek/cms-kivs.aspx">http://www.mvcr.cz/clanek/cms-kivs.aspx</a> <a href="http://www.mvcr.cz/clanek/komunikacni-infrastruktura-verejne-spravy-a-centralni-misto-sluzeb-584441.aspx">http://www.mvcr.cz/clanek/komunikacni-infrastruktura-verejne-spravy-a-centralni-misto-sluzeb-584441.aspx</a> <a href="http://www.szrcr.cz/">http://www.szrcr.cz/</a> <a href="http://www.mvcr.cz/clanek/komunikacni-infrastruktura-verejne-spravy-a-centralni-misto-sluzeb-584441.aspx?q=Y2hudW09Ng%3d%3d">http://www.mvcr.cz/clanek/komunikacni-infrastruktura-verejne-spravy-a-centralni-misto-sluzeb-584441.aspx?q=Y2hudW09Ng%3d%3d</a>
<b>ADMS</b>	Not Available/Not Found
<b>Current Users</b>	Central government, local government, and other public administrative bodies.

#### EIRA

View	Legal view	Organisational view	Semantic view	Technical view-application	Technical view-infrastructure
				x	

**Building Block** Application service

#### Reusability



## Criteria



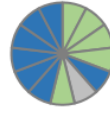
IPR and licenses



Legal



Suitability of documentation



Maturity



Extensibility



Scalability



Designed for re-use



Planned re-use or extension to other domains



Maintenance and support



Use of standards



Actual Reuse



Language and location suitability



Granularity



Impacts



Testability

