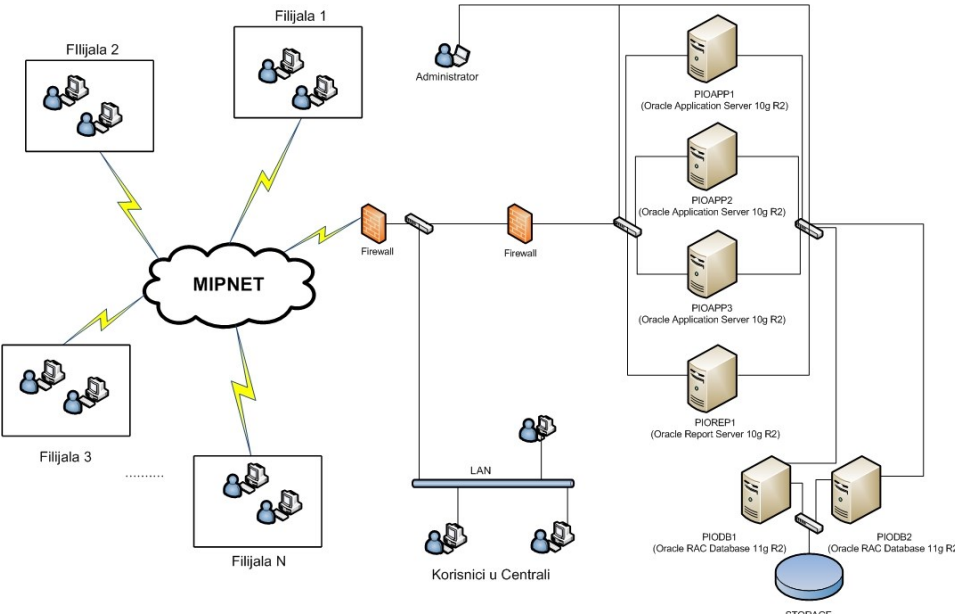


Case Study: New ORACLE based information system in Pension and Disability Insurance Fund Montenegro

Client info:	<p>Pension and Disability Insurance Fund Montenegro. Pension Fund is Montenegrin Public State Fund responsible for process of pension and disability rights achievement and allowance distribution. It has central office in Podgorica and 12 branch offices all over Montenegro, with over 400 employees.</p>
Project objectives:	<ul style="list-style-type: none"> • Main project objective was to build a new set of applications using modern web oriented development tools and to migrate all data from old UNISYS COBOL based information system, which was in a production for 15 years, into new Oracle based system. • All data in one database • E Government – integration with other public institutions (Tax department, Ministry of Interior, Health Insurance, Ministry of Social Wealth fare...)
Timeframe:	<ul style="list-style-type: none"> • Project duration: 2008 - 2009 • System in production since May 2009. • System maintenance and upgrade – 2010 – 2014
Technologies:	<ul style="list-style-type: none"> • Linux Enterprise server • Oracle RAC database • Oracle Internet Application Server • Oracle Developer Suite • Microsoft Visual Studio <p>Network diagram:</p> 

Functionality:

- Register of insured persons and contributors
- Register of retirees and invalid persons
- Calculations of the amount for the retiree with document flow
- Payment allowance
- ERP software for internal Fund business processes
- Connection with TAX department (Unified Collection Gateway project)

The screenshot displays a multi-paneled software interface. The top-left pane shows a detailed form for an individual's pension record, including fields for ID, address, and various contribution types. The top-right pane shows a similar form with a different set of data. The bottom-left pane is a summary report titled 'REKAPITULAR PO OPŠTINAMA' (Summary by Municipality) for the year 2010. The bottom-right pane shows a detailed view of a specific pension calculation or contribution record, including a table of monthly payments.

KATEGORIJA	Sve (civilne i vojne)	Broj korisnika	1000 €
1. PENSJA	1. INVALIDSKA PENSZIJA	1092	265,927.72
	2. STAROSNA PENSZIJA	2482	865,687.82
	3. POKROVNICA PENSZIJA	1382	242,176.69
	4. TJELESNO OŠTEĆENJE	417	19,486.99
	10. OSTALA PRAVA IZ INV. OSIGURANJA	1	95.19
	Dodatki na osiguranje	2	239.10
	5. TUDJA NEGA I POMOC	67	9,137.94
	10. OSTALA PRAVA IZ INV. OSIGURANJA	1	123.04
	Naknada troškova stanovanja	13	1,629.35
	1. INVALIDSKA PENSZIJA	10	5,617.69
	2. STAROSNA PENSZIJA	27	18,451.40
	3. POKROVNICA PENSZIJA	12	1,029.66
	Alimentacija	9	1,022.23
	Novčana naknada zaposlenim invalidima rada	12	3,181.99
	Razlika svih primanja - trajni prestavak prima II svrst 8 svrst	22	15,779.84
	Ukupno primanja	6748	1,691,547.56

Migration:

From the beginning of the project team was working on the analysis of existing data and transformation to new database. Team designed one software module with PL/SQL procedures to migrate and clean data from old tables and other objects to new objects. All alphanumeric data were transferred through ODBC link and ORACLE heterogeneous services. 76 millions of records were migrated into new database.