



POSODOBITEV
PROSTORSKE
PODATKOVNE
INFRASTRUKTURE
ZA ZMANJŠANJE
TVEGANJ IN
POSLEDIC POPLAV



SLOVENSKI NSPIRE DAN

Omrežne storitve in distribucijsko okolje Geodetske uprave

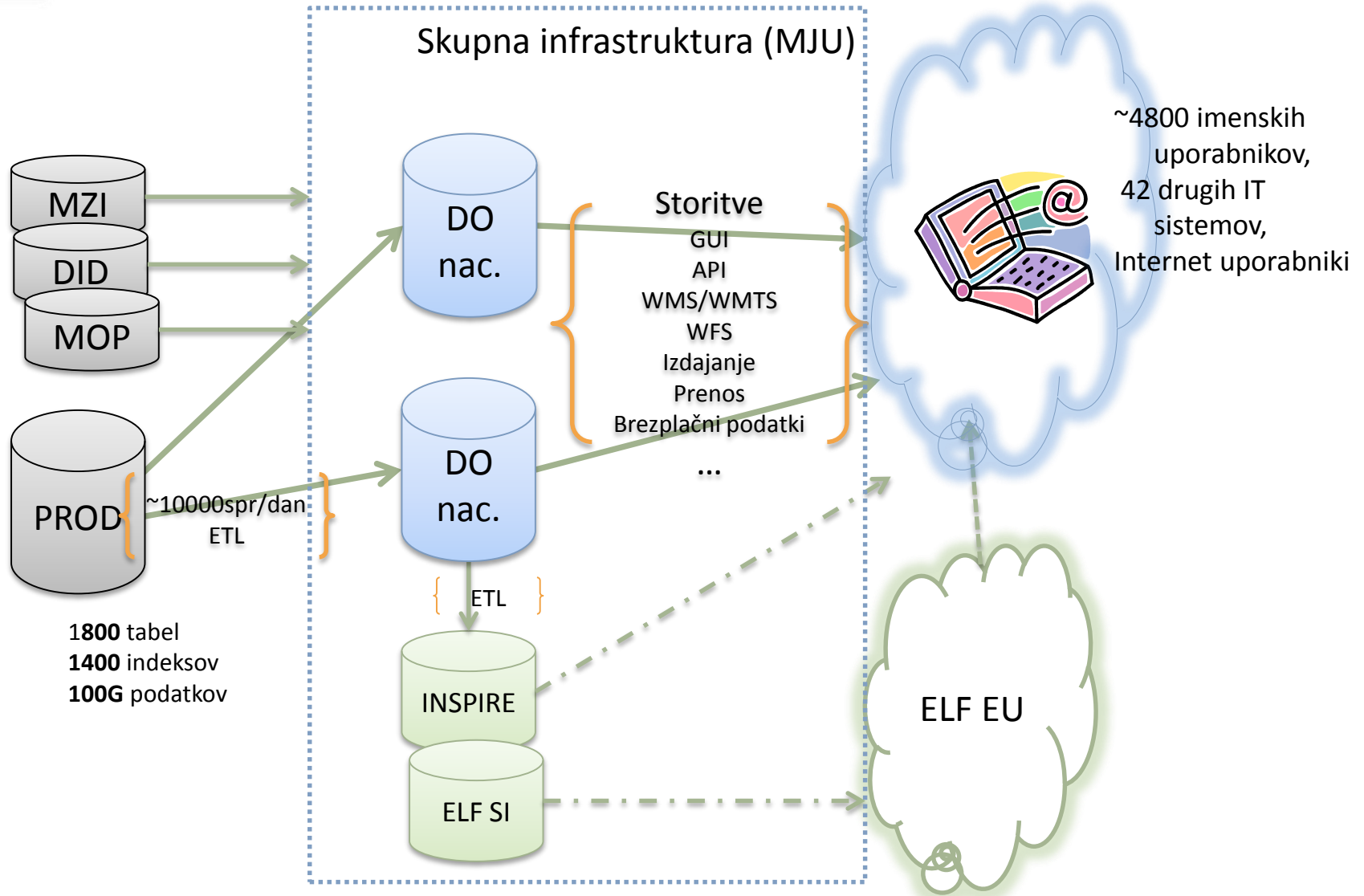
21.9.2015

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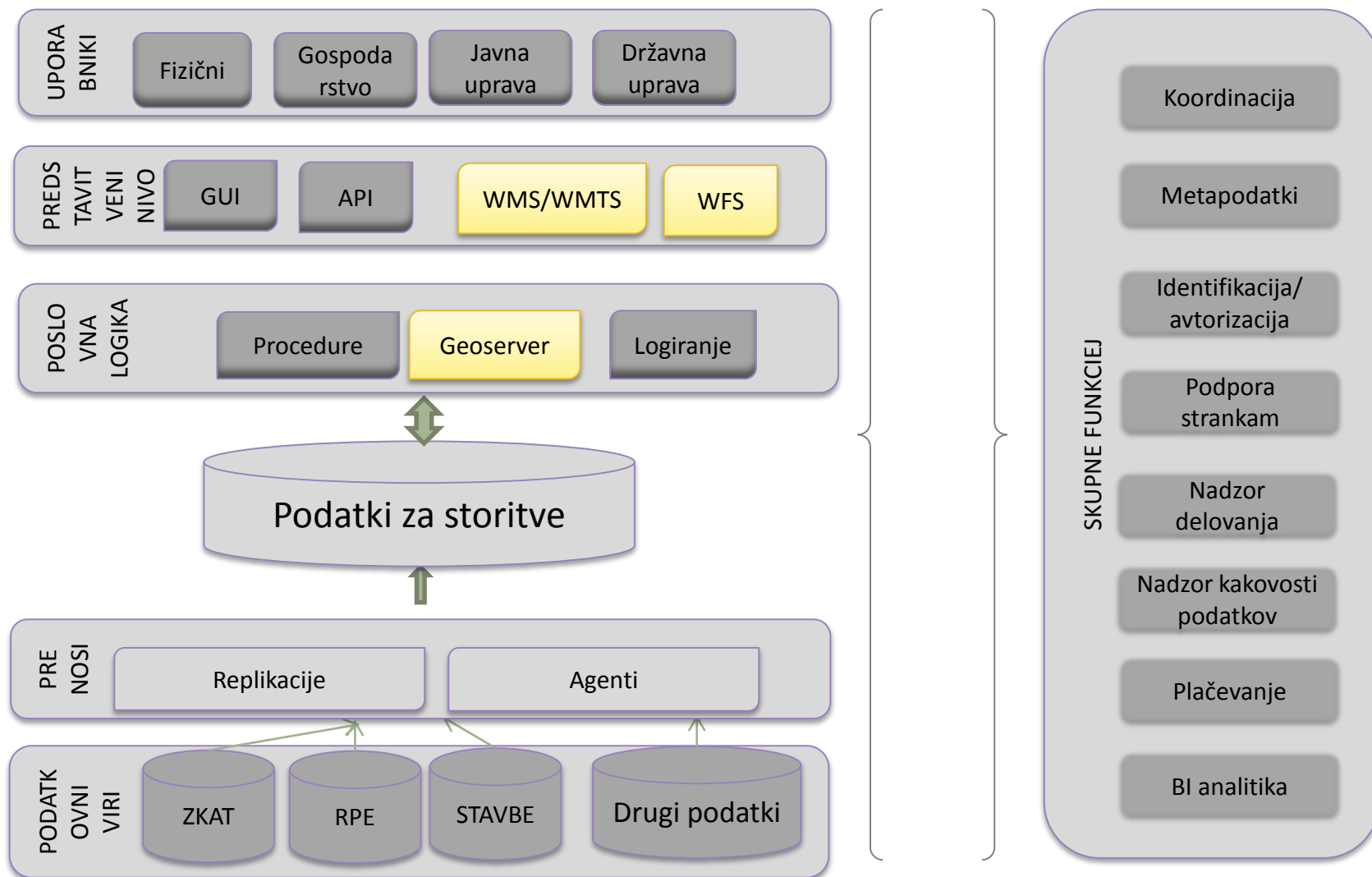
Obstoječa infrastruktura distribucijskega okolja

INSPIRE zahteve (Quality of Service)

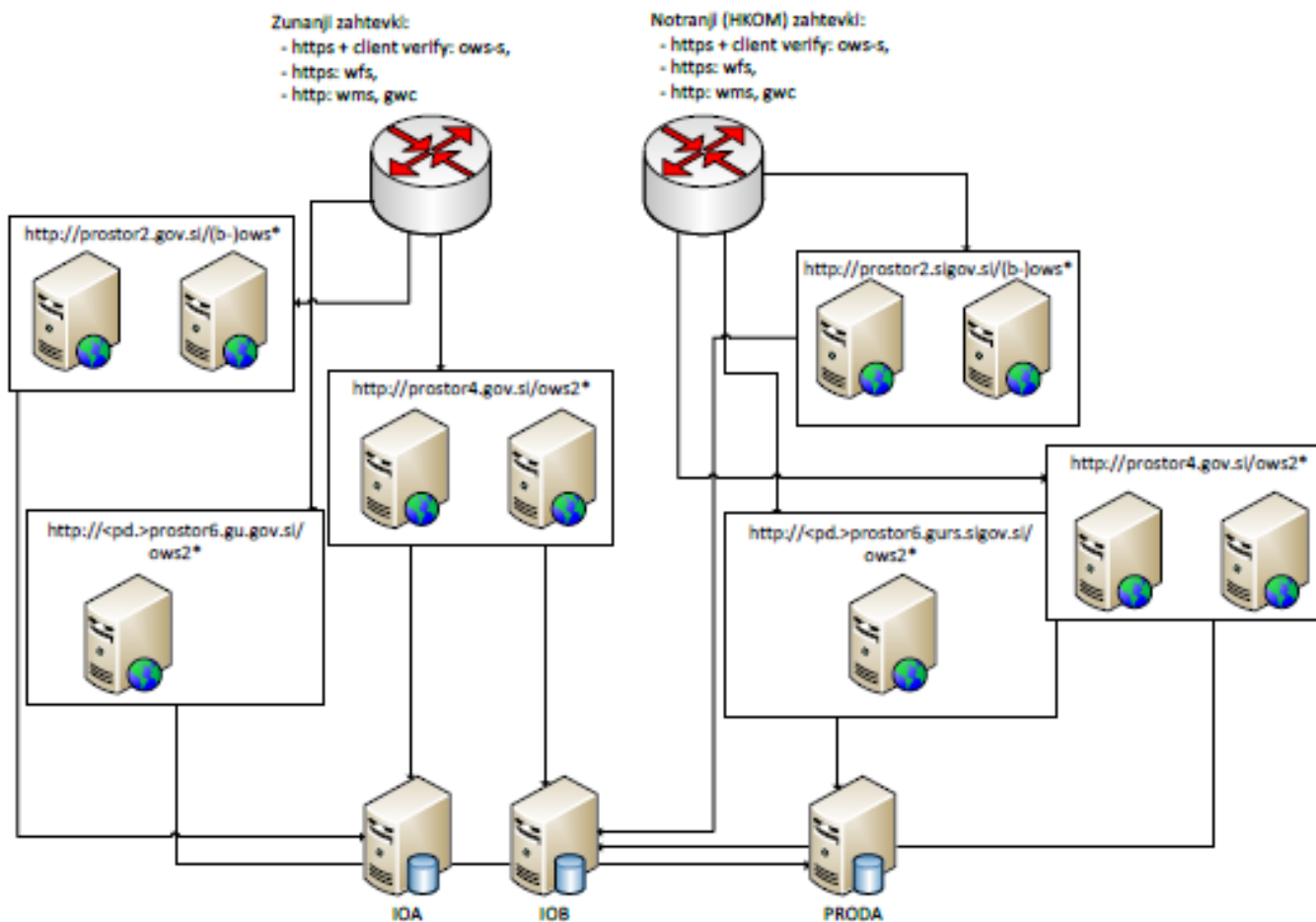
Osnovno okolje



Obstoječa infrastruktura



Shematični prikaz geoserver



Interna kategorizacija

NACIONALNI



NETWORK INSPIRE SDS

ELF

PRIVATNI



INTERNI



JAVNI



ENOSTAVNI WFS KOMPLEKSNI

WMS



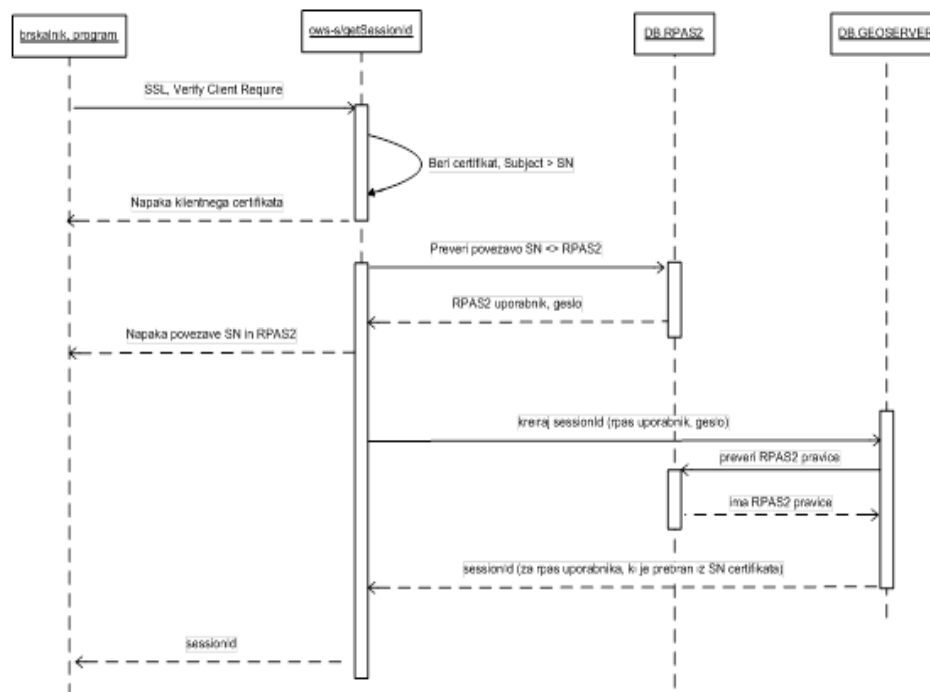
WMTS



Privatni servisi identifikacija/avtorizacija



- Digitalni certifikat odjemalca
- Registracija v varnostni shemi
- Dogovor o souporabi



Koordinatni sistem

EPSG – Geodetic Parameter Dataset
Mednarodna baza podatkov z geodetskimi parametri
koordinatnih sistemov in transformacij

V aprilu 2008 smo pri OGP (Surveying and Positioning Committee of International Association of Oil and Gas Producers) registrirali parametre koordinatnih sistemov :

D-48: -> EPSG:CRS: 3912

D-96: -> EPSG:CRS: 3794

Navedeni CRS so danes sestavni del vseh GIS orodij.

Dostopnost servisov

Obstoječi javni



V pripravi

UL PT SL PO HS
ODO VLD VLL



HKOM:

- So že sedaj vsi dostopni ob upoštevanju npr. osebnih podatkov,
- WMTS servisi bodo dostopni brez prijave

INTERNET:

- Postopno odpiranje glede na zmožnosti in razpoložljivost sistemov,
- Zagotavljanje prenosa podatkov

WMTS SRS: 3912 splošne nastavitve



bbox:

min_x: 370.210 min_y: 20.855

max_x: 630.065 max_y: 195.000

format slik:

image/jpeg (samo za DOF)

image/png

(tile - jpeg)

256 pikslov x 256 pikslov v merilih

1.500.000

750.000

500.000

250.000

150.000

100.000

50.000

25.000

10.000

5.000

2.500

1.500

1.000

(tile - png)

384 pikslov x 384 pikslov v merilih

10.000

5.000

2.500

1.500

1.000

**Sprotno/dinamično
popolnjevnje
predpomnjenih
podatkov glede na
izvedene spremembe
podatkov v bazi**



Nadzor delovanja



Service **KDSS pregled** **Replikacije**

Ty Osveži vsakih Zadnja osvežitev ob 16:59:14

Generalno stanje zadnje uro

ID_TEST	STATUS	CAS_TESTA	START_TESTA
438728	OK	11.883 s	20.09.2015T16:56
438727	OK	5.88 s	20.09.2015T16:51
438726	OK	8.615 s	20.09.2015T16:46
438725	OK	5.846 s	20.09.2015T16:41
438724	OK	16.512 s	20.09.2015T16:36
438723	OK	10.557 s	20.09.2015T16:31
438722	OK	5.888 s	20.09.2015T16:26
438721	OK	8.68 s	20.09.2015T16:21
438720	OK	11.251 s	20.09.2015T16:16
438719	OK	12.141 s	20.09.2015T16:11
438718	OK	9.47 s	20.09.2015T16:06
438717	OK	6.226 s	20.09.2015T16:01

1 - 12

Drevesni prikaz stanja

Collapse All Expand All

- E-prostor spletni servisi test 438728 start 20.09.2015T16:56.13
 - GOV domena pov.cas sec 0,14
 - http://prostor2.gov.si/ows-m/wms | 0.207 s
 - http://cvig1.cs.sigov.si/ows-m/wms | 0.211 s
 - http://cvig2.cs.sigov.si/ows-m/wms | 5.406 s
 - https://prostor2.gov.si/b-ows/ows/wfs | 0.249 s
 - https://cvig1.cs.sigov.si/b-ows/ows/wfs | 0.213 s
 - https://cvig2.cs.sigov.si/b-ows/ows/wfs | 0.362 s
 - https://prostor2.gov.si/b-ows-s/getSessionId | 0.222 s
 - https://cvig1.cs.sigov.si/b-ows-s/getSessionId | 0.208 s
 - https://cvig2.cs.sigov.si/b-ows-s/getSessionId | 0.212 s
 - https://prostor2.gov.si/b-ows-s/getSessionId | 0.23 s
 - https://cvig1.cs.sigov.si/b-ows-s/getSessionId | 0.208 s
 - https://cvig2.cs.sigov.si/b-ows-s/getSessionId | 0.212 s
- https://prostor2.gov.si/ows/ows/wfs | 0.201 s
- https://cvig1.cs.sigov.si/ows/ows/wfs | 0.269 s
- https://cvig2.cs.sigov.si/ows/ows/wfs | 0.276 s
- https://prostor2.gov.si/ows-s/getSessionId | 0.197 s
- https://cvig1.cs.sigov.si/ows-s/getSessionId | 0.191 s
- https://cvig2.cs.sigov.si/ows-s/getSessionId | 0.222 s
- https://prostor2.gov.si/ows-s/getSessionId | 0.182 s
- https://cvig1.cs.sigov.si/ows-s/getSessionId | 0.191 s
- https://cvig2.cs.sigov.si/ows-s/getSessionId | 0.222 s

- SIGOV domena pov.cas sec 0,44
- http://prostor2.sigov.si/ows-m/wms | 0.101 s
- https://gs1.prostor.sigov.si/ows-m/wms | 0.54 s
- https://gs2.prostor.sigov.si/ows-m/wms | 0.36 s
- https://prostor2.sigov.si/b-ows/ows/wfs | 0.116 s
- https://gs1.prostor.sigov.si/b-ows/ows/wfs | 0.104 s
- https://gs2.prostor.sigov.si/b-ows/ows/wfs | 0.129 s
- https://prostor2.sigov.si/b-ows-s/getSessionId | 0.184 s
- https://gs1.prostor.sigov.si/b-ows-s/getSessionId | 0.151 s
- https://gs2.prostor.sigov.si/b-ows-s/getSessionId | 0.133 s
- https://prostor2.sigov.si/ows/ows/wfs | 0.114 s
- https://gs1.prostor.sigov.si/ows/ows/wfs | 0.104 s
- https://gs2.prostor.sigov.si/ows/ows/wfs | 0.098 s
- https://prostor2.sigov.si/ows-s/getSessionId | 0.167 s
- https://gs1.prostor.sigov.si/ows-s/getSessionId | 0.128 s
- https://gs2.prostor.sigov.si/ows-s/getSessionId | 0.143 s

PUB_WFS_service **Generic Service**

Generic Service: PUB_WFS_service > Status History: PUB_WFS_service
Status History: PUB_WFS_service

razpoložljivost

Page Refreshed 20-Sep-2015 17:22:06 CEST View Data Last 31 days

General

Current Status: Up Since 18-Sep-2015 08:33:17
Availability: 100.0% Based on Service Test
Down Time (minutes): 19.2
Blackout Time (minutes): 0.0
Agent Down Time (minutes): 0.0
System Error Time (minutes): 0.0

Details

Show only key tests

Name	Type	Status	History
PUB_WFS_service	Generic Service	Up	
GetCapabilities_WFS	EM Management Beacon	Up	

History

View Outages

Start Time	End Time	Severity	Duration(Min)	Outage Type
18-Sep-2015 08:23:43	18-Sep-2015 08:33:17	9.6	Down	
27-Aug-2015 15:23:42	27-Aug-2015 15:33:17	9.6	Down	

PUB_WFS_service **Generic Service**

Generic Service: PUB_WFS_service > Web Transaction: GetCapabilities_WFS
Web Transaction: GetCapabilities_WFS

zmogljivost

Page Refreshed 20-Sep-2015 17:20:29 CEST View Data Last 31 days

Home Performance

Historical Metric Data

Select the filters by which to display the graph.

Beacons: EM Management Beacon Metrics: Perceived Total Time (ms) Go Show Multiple Components

Components: GetCapabilities_WFS (Transaction)

Perceived Total Time (ms)

Spatineo monitor



Spatineo Directory

Geodetska uprava RS / Surveying and Ma...

Javne kartografske storitve WMS, Free public Web Map Service
<http://prostor2.gov.si:80/ows2-m-pub/wms>

0

Follow in
Spatineo Monitor

Javne spletne storitve za prosto dostopne podatke Geodetske uprave RS. Uporaba podatkov je dovoljena brezplačno, skladno z licenčno politiko za prosto dostopne podatke Geodetske uprave RS. Uporaba servisa in podatkov za komercialne namene ni dovoljena (sl). Public free web services. Use of the data is permitted free of charge, in accordance with the license policy of freely available data from Surveying and Mapping Authority of the Republic of Slovenia. Use of service and data for commercial purposes is not allowed.

Available map layers (11)

Meje katastrskih obcin - SI.GURS.CBZK.KO
 (table_gurs_pub:SI.GURS.CBZK.KO)

 #Meje katastrskih obcin v Republiki Sloveniji (sl). #Slovenian Land Cadastre Communes boundaries (en).

 Layer metadata ([link](#))

DPK1000 - SI.GURS.RASTRI.DPK1000
 (raster_gurs_pub:SI.GURS.RASTRI.DPK1000)

 Drzavna pregledna karta 1 : 1 000 000

 Layer metadata ([link](#))

DPK250 - SI.GURS.RASTRI.DPK250
 (raster_gurs_pub:SI.GURS.RASTRI.DPK250)

 Drzavna pregledna karta merila 1: 250 000

 Layer metadata ([link](#))

Service notifications

27

There are currently no notifications for the service, click the feed icon to subscribe.

This page is generated by Spatineo from information provided by the service. Read the our [Service metadata guide](#) for tips on how to make your service page look better by improving the information content of the service metadata your service is providing.

Last updated 2015-09-13 03:45:29 UTC.

Service health
Now: ●
Last 7 days
Year 2015

Availability	100%	99%
Total downtime	0.1 hours	2.7 days
Pre-announced service interruptions	0 hours	0 hours
Unexpected downtime	0.1 hours	2.7 days

Spatineo Monitor
Contact us for a 30-day free trial!

 Spatineo Monitor shows you exactly how your spatial web service is doing and who is using it.
[Learn more »](#)

Interface
 Web Service, [OGC Web Map Service 1.1.1](#)

Keywords

Fees
 Brezplačno / Free for public use

Access constraints
 Dovoljena samo nekomercialna uporaba.
 No-commercial use only.

Data provider
Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia (unverified)

 Contact information:

 Oddelek za izdajanje podatkov / Data Issuing Department
 Geodetska uprava RS / Surveying and Mapping Authority of the Republic of Slovenia

Network services: Technical Guidance for the implementation of INSPIRE Download Services, verzija 3.1 od 9.8.2013

- Performance (zmogljivost)
- Capacity (zmožnost)
- Availability (razpoložljivost)

Kakovost servisa

Zmogljivost: TG Requirement 70

Kako hitro poteka prenos podatkov v normalnih pogojih (90% časa):

- Začetni odziv max 30 sekund
- Prenos $> 0,5\text{MB/sec}$ ali > 500 objektov/sec

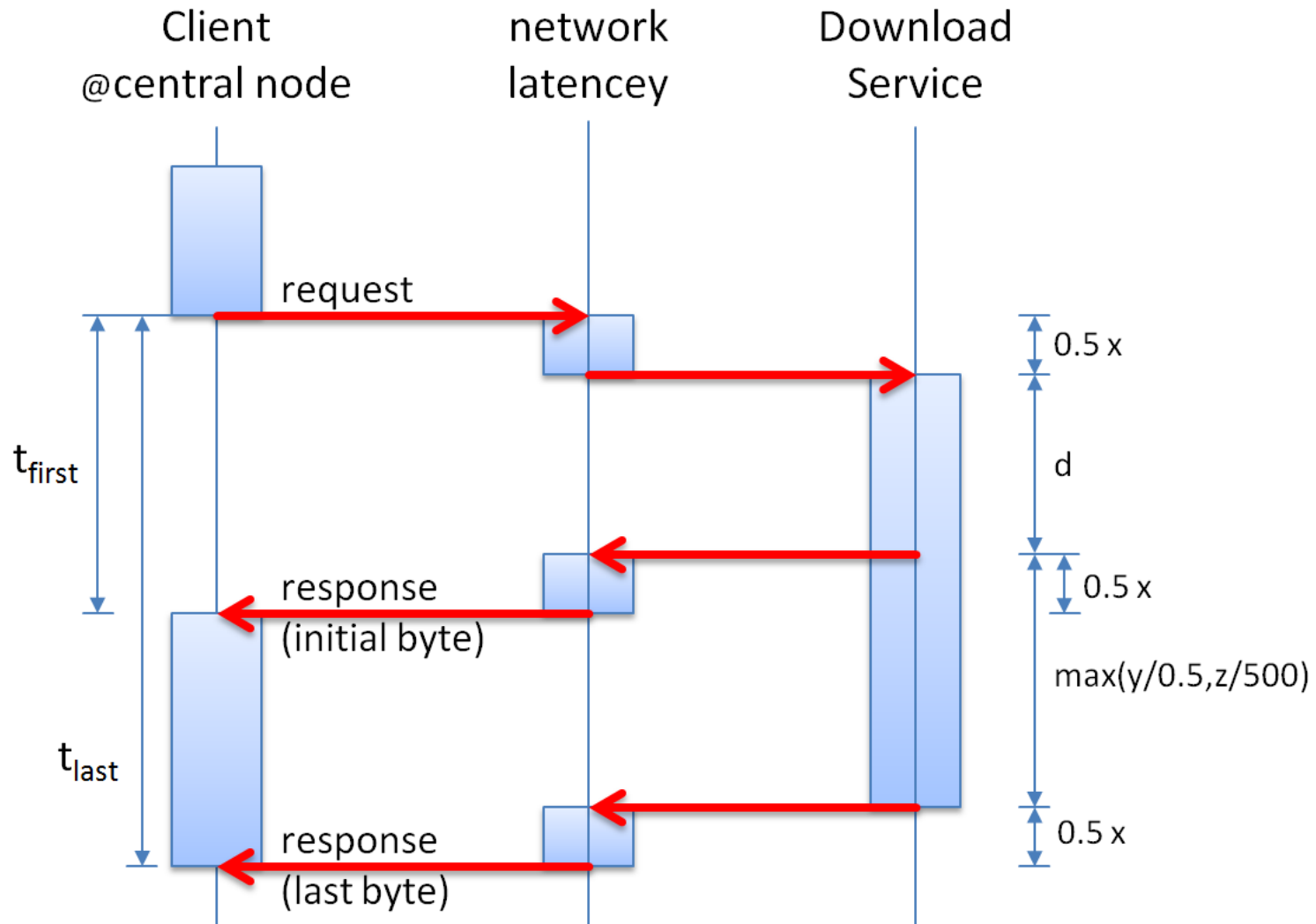
Zmožnost: TG Requirement 75

Število sočasnih zahtevkov z garantirano zmogljivostjo. Min. 10/sec. do največ 50 sočasnih.

Razpoložljivost: TG Requirement 78

Verjetnost da je omrežni servis razpoložljiv je 99% časa. (max. število neplaniranega izpada je 3,63 dneva v letu). Planirane izpade je potrebno napovedati vsaj 1 teden prej.

INSPIRE meritve



Javni spletni servis WFS

Primer: RPE sloj Naselja, 6036 enot

100 29.8M 0 29.8M 0 0 960k 0 0:00:31 994k

size of data set	Maximum duration till complete download finished	size of data set	Maximum duration till complete download finished
100 KB	35 s	100 objects	35 s
1 MB	37 s	1,000 objects	37 s
10 MB	55 s	10,000 objects	55 s
100 MB	4 min	100,000 objects	4 min
1 GB	34 min	1,000,000 objects	34 min

response time: 2400ms (1773865 bytes)

response time: 1653ms (1754873 bytes)

Namesto zaključka

Graditev nacionalne prostorske infrastrukture in prehod na INSPIRE specifikacije je dolgotrajen, kompleksen in zahteven proces v katerem nas čaka še ogromno dela. Stopimo skupaj za doseganje ciljev.

Vprašanja ?