

## Web service for acquisition from Eprints v2.1.1

### About

This software is intended for reception of records under protocol SOAP (<http://www.w3.org/TR/soap/>).

Now available 2 service:

1. Service acquisition metadata about id item MetaDataServ (return metadata for item id)
2. Service find item, the service allows us to search datasets for data objects matching specific criteria. (return list id item for pair keyword and list fields)

### Installation

1. It is necessary to create folders "*you directory eprints/cgi/soap*"

In this folder to copy scripts *SearchServ.cgi* *MetaDataServ.cgi*

In directory "*eprints/archives/you archive id/html/you default language/wSDL*"

Here to copy *MetaDataServ.wSDL* *SearchServ.wSDL*

2. Replace in *MetaDataServ.wSDL* *SearchServ.wSDL* string "*you.domain*"
3. To install SOAP::Lite from cpan (<http://search.cpan.org/~mkutter/SOAP-Lite-0.710.08/>)
4. Configure *auto-apache.conf* having added in existing virtual a host the following

*Way for Debian (at you system to be another)*

```
<Directory "/usr/share/eprints3/cgi/soap /">
SetHandler perl-script
PerlHandler ModPerl::Registry
PerlSendHeader Off
Options ExecCGI FollowSymLinks
PerlHandler ServerDemo
PerlOptions +GlobalRequest
AddHandler cgi-script cgi
AllowOverride None
Options +ExecCGI-MultiViews
Order allow, deny
Allow from all
</Directory>
```



Example of the client for testing for SearchServ

```
#!/usr/bin/perl

use SOAP::Lite +trace;

use Data::Dumper;

# key for search

my $key='article';

print "SOAP::Lite = ", $SOAP::Lite::VERSION, "\n";

my $serv = SOAP::Lite->service("http://eprints.zu.edu.ua/wsdl/SearchServ.wsdl");

my $fields = ["title", "abstract"];

my $result = $serv->searchEprint($key, $fields);

    print $result, "\n";

print Dumper ($result);

# sub routines implicitly used in the above code

sub SOAP::Serializer::as_ArrayOfstring{

my ($self, $value, $name, $type, $attr) = @_;

    return [$name, {'xsi:type' => 'array', %$attr}, $value];

}
```

Example of the client for testing for MetaDataServ

```
#!/usr/bin/perl

use SOAP::Lite +trace;

use Data::Dumper;

# id of eprint object
```



```
$id = '94';  
  
# using the file of wsdl send a value to service and get a result  
  
my @res2= SOAP::Lite  
    ->service('http://eprints.zu.edu.ua/wsdl/MetaDataServ.wsdl')  
    ->getEprint('$id');  
  
# print of the got value  
  
print Dumper (\@res2);
```

## **Changelog**

### **Version 2.0.0**

Add SearchServ.cgi

### **Version 2.1.1**

Change SearchServ.wsdl

Add SearchServ.cgi correct working with SOAP format protocol

Update documentation

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