

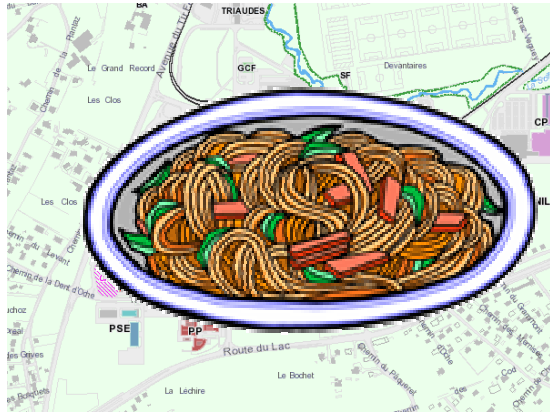
Web Services at EPF Lausanne

Lessons Learned

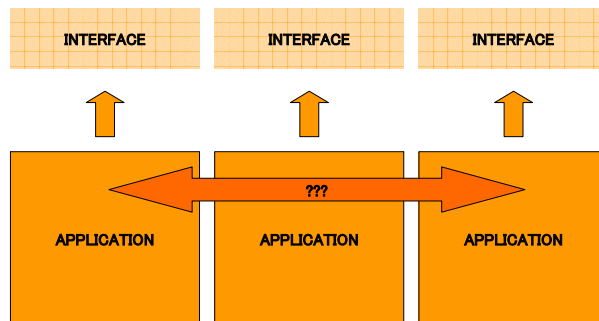
Agenda

- the dream we had...
- what we've done
- the result a year after?
- explanation

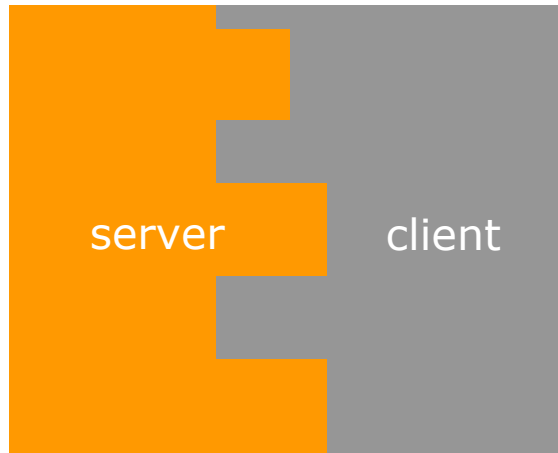
The reality of the information system



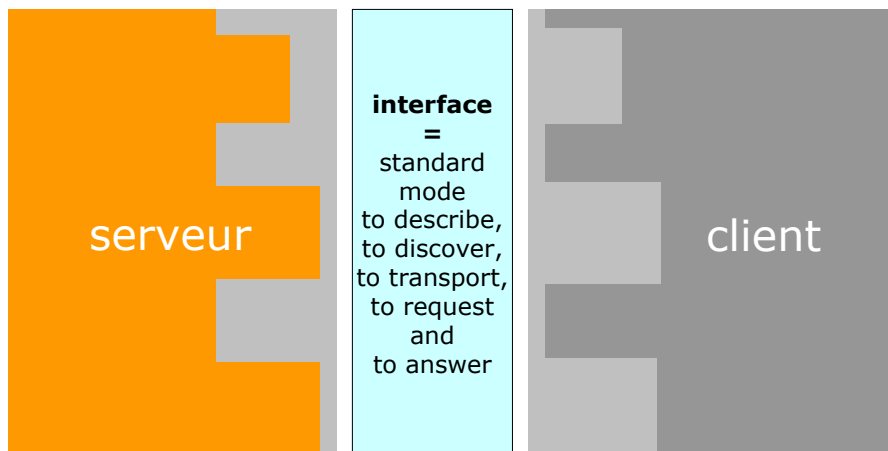
each application is a IS



The classical schema



The idea of the Web Services



What we've done...

- development of WS
- evangelization
- teaching
- UDDI implementation

An example: EPFL unit directory data

```
#!/usr/bin/perl
use Frontier::Client;

# Make an object to represent the XML-RPC server.
$url = 'http://dinfo.epfl.ch/cgi-bin/xunites.pl',

$server = Frontier::Client->new(
    url => 'http://dinfo.epfl.ch/cgi-bin/xunites.pl',
    debug => 1
);

$result = $server->call(
    'Unites.getUnitSubTree',
    acro => 'IC',
    niveau => 3,
    people => 0);

print "Result: \n";
foreach $key (keys %$result) {
    print " -> $key\t: $result->{$key} \n";
}
```

Responsible: Vulliet Laurent	
Laurent	»
Amor Jean-Michel	»
Anoni Jean-Michel	»
Boul-François	»
Edmond	»
Berger Philippe	»
Marc-André	»
Bernard	»
Lud François	»
Edith	»
Luca	»
Luca	»
Edith	»
Aurèle	»
Aurèle	»
Jean-Claude	»
Jean-Claude	»
Claude	»
Claude	»
Jacodé Georges	»

Web Services séminaire et études de cas



jeudi 16 octobre 2003

2004, december 15



<http://uddi.epfl.ch>

Juddi
<http://juddi.sourceforge.net>

open source

LDAP integration
Web interface

4 weeks

UDDI
UNIVERSAL DESCRIPTION DISCOVERY AND INTEGRATION

EPFL > UDDI

UDDI

Bienvenue sur le serveur UDDI (Universal Description Discovery and Integration) de l'EPFL, où vous pouvez **rechercher** des services existants ou **publier** votre service si vous êtes un membre de l'école.

Si vous débutez dans le monde UDDI, n'hésitez pas à consulter la **section d'aide** qui vous permettra de bien démarrer.

Les derniers services publiés

- ◆ Email Verify
- ◆ Doctoral School
- ◆ Polyblog
- ◆ getUnitSubTree
- ◆ getAttrLocal
- ◆ Carbonserver
- ◆ UDDI Inquiry

MENU UDDI

- ◆ Rechercher
- ◆ Publier
- ◆ Mes services
- ◆ Aide

2004, december 15



What's the landscape after a year?



2004, december 15

Some explanations?

- KIS (... keep it simple)
- XML-RPC vs SOAP
- ... but it's not as simple as it seems to be
- internal disagreements
 - yet another technology
- not enough resources to promote, explain, drive, etc.
- we didn't reach a critical mass

internal

- changing technology
- trend to complexity
 - security, transaction, etc.
- other "simple" technologies are on the field:
 - syndication
 - RSS
 - REST
- everything you need to use Web services is already available if you know where to look

external

2004, december 15

There are some hope...

- IS Academia starts to offer web services... after upgrading to Oracle 9i
- some people understand now how they could use locally content and data provided remotely

Conclusion

- 10% technical, 90% human
- Everything that speaks HTTP is a webservice in some manner or another!
- The best practices are as usefull as standard implementation
- keep trying!...

Thank you!