

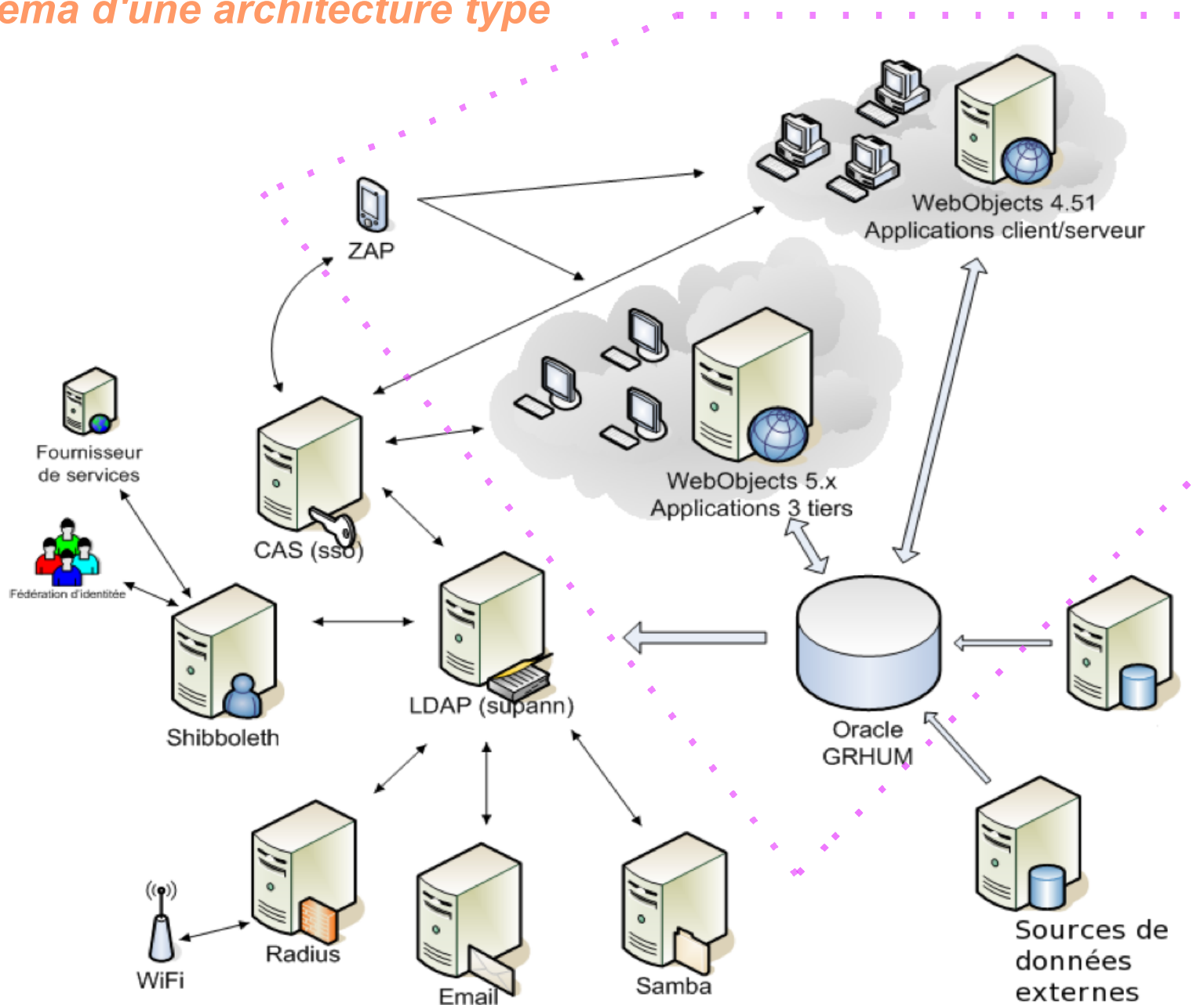
Architecture type Cocktail

*Ouagadoudou
21 au 24 juin 2010*

- Olivier Barata - Kumqu@t-OB



Schéma d'une architecture type



Environnement matériel

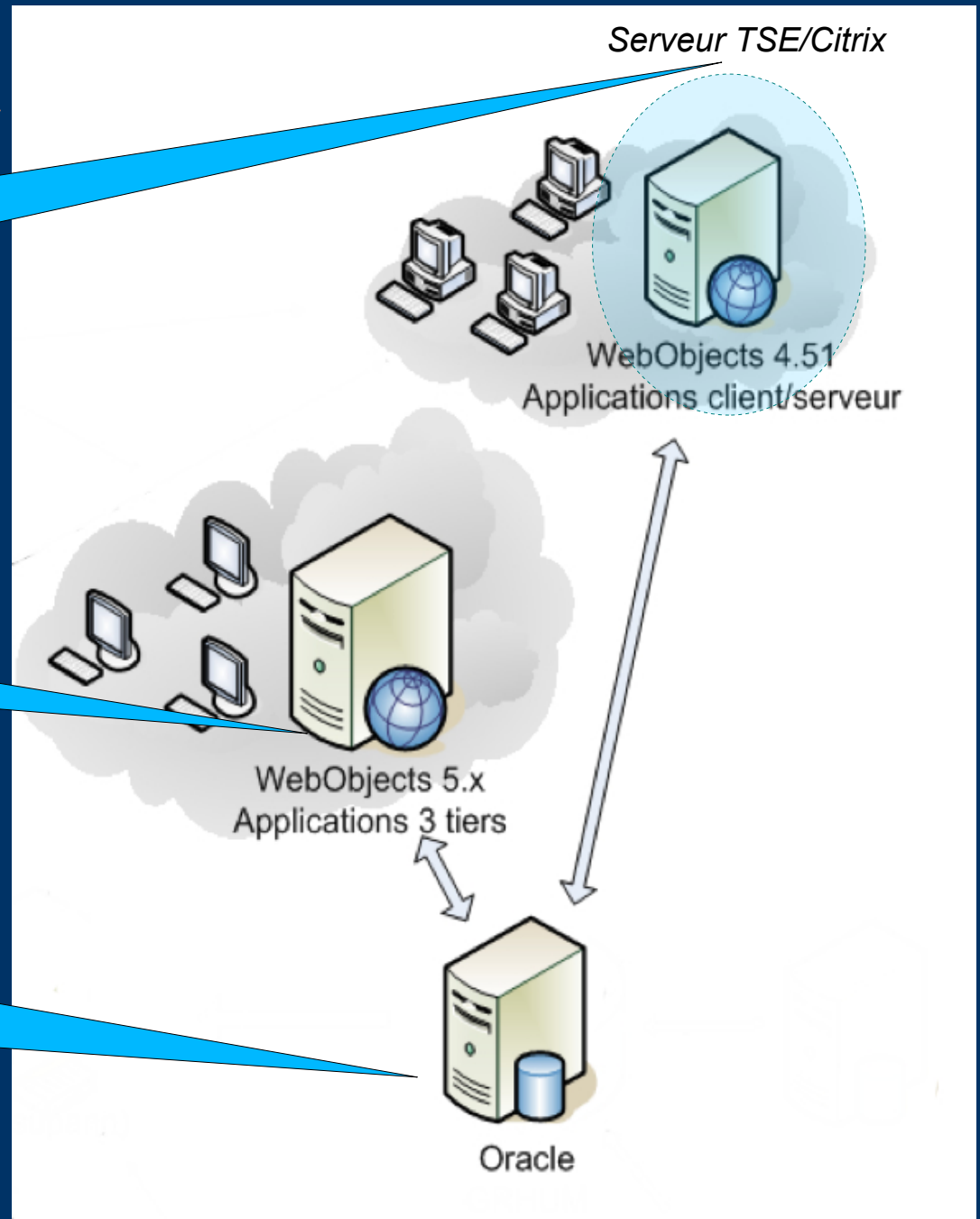
Petite structure (<1000 individus)

2 serveurs

1 core / 5 users actifs
80Mo Ram / Application

1 à 2 Go Ram
2 Ghz
(mutualisé)

1 processeur
2 Go Ram
espace disque 4Go
Xeon 2Ghz



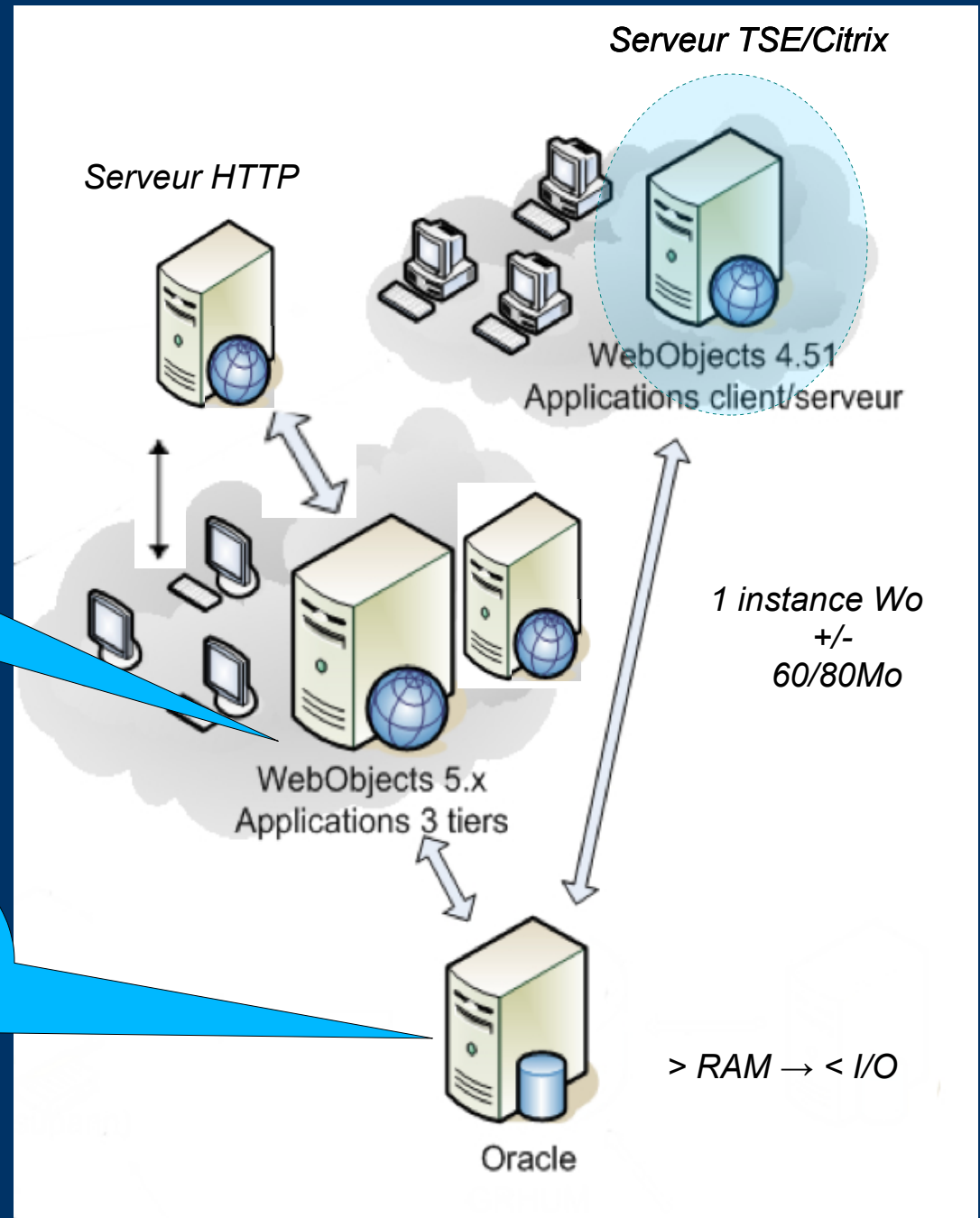
Environnement matériel

Grosse structure (>40000 individus)

3-4 serveurs

2 serveurs
8 Go Ram
2 quadri-core 2,5 Ghz
(répartition charge)

2 ou 4 processeurs
>8 Go Ram
2 dual/quadri-core > 2,8/3 Ghz
espace disque 20Go
Xeon 2Ghz

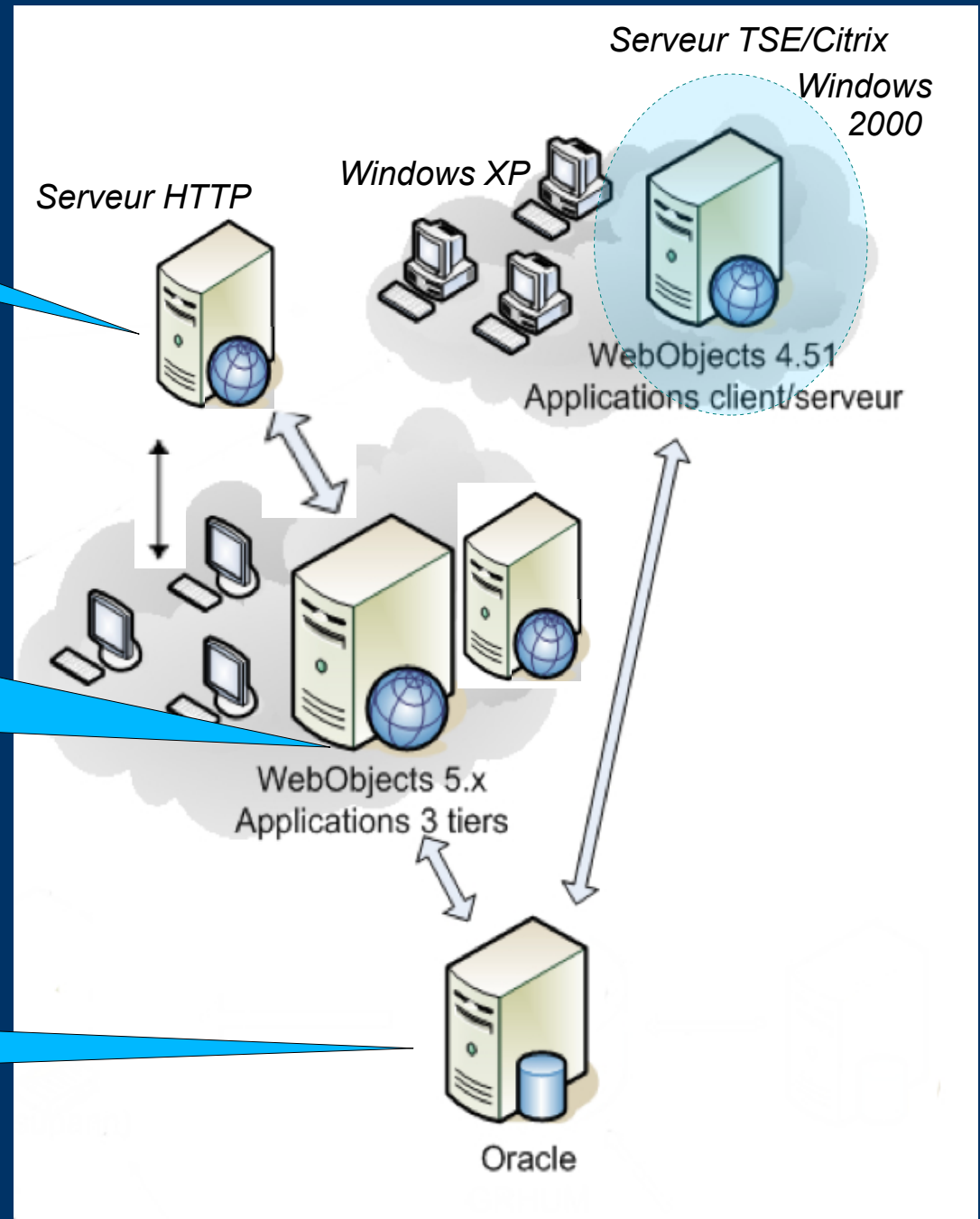


Environnement logiciel

Linux Gento
Apache 2.2
mod_webobjects

Linux Gento / Debian / Ubuntu
Mac OS X
WebObjects 5.3.3
Java 1.5

Linux EI5
Oracle 10G (R2)
Oracle 11G (R1)



Exemple d'implémentation

40 applis – 3000 étudiants – 800 personnels

Serveur HTTP
Debian



PC



Mac



WTS /Citrix



2 core 2,6Mhz
7Go Ram
10/20Go espace disque

1 core 2,6Mhz
7Go Ram
10/20Go espace disque

public

privé

Load balancing

Prod-1



WO 5.3.3
Debian Leny

Prod-2



WO 5.3.3
Debian Leny

Tests



WO 5.3.3
Debian Leny

Prod (Servaut)



WO 5.3.3
Debian

PRES sub



WO 5.3.3
Debian

Serveur TSE/Citrix
Windows
2000



CAS (sso)



Email



LDAP (supann)



backup

Oracle 9i (prod)
EL5



Oracle 9i (test)
EL5

Quado Processeur
2Go Ram
75Go espace disque

Distribution logiciel

- Oracle
 - <http://www.oracle.com>
 - http://www.cocktail.org/downloads/oracle/db_cocktail_10g.tgz
 - http://www.cocktail.org/downloads/oracle/db_cocktail_11g.tgz
 - http://www.cocktail.org/downloads/oracle/cktl4ouaga_20100616.dmp.bz2
- Linux
 - *EL5* http://edelivery.oracle.com/EPD/GetUserInfo/get_form?caller=LinuxWelcome
 - *Ubuntu* <http://releases.ubuntu.com/>
 - *Debian* <http://www.debian.org/releases/>
- Apache2.2 <http://httpd.apache.org/>
- WebObjects
 - WO 5.3.3 http://www.cocktail.org/downloads/webobjects/5.3/webobjects_5.3.3.tgz
 - Adaptor WO http://www.cocktail.org/downloads/webobjects/mod_WebObjects-1136.tgz
 - Scripts start-stop <http://www.cocktail.org/downloads/webobjects/5.3/scripts.tar.gz>
 - Daemon <http://www.cocktail.org/downloads/divers/start-stop-daemon-1.14.23.tar.gz>
 - Htdocsimg <http://www.cocktail.org/downloads/divers/htdocsimg.tgz>
 - Extentions <http://www.cocktail.org/downloads/webobjects/5.3/Extensions.tgz>
 - WO 4.51 http://www.cocktail.org/downloads/webobjects/4.5/install_patched_4.5.1.zip