REGIONE AUTONOMA DELLA SARDEGNA

SISaR

ENGINEERING

Servizio di Transizione

Titolo: XMPI/JBF/JAUF
Codice: AREAS_AP_01_JBF
Profilo: Analista Programmatore

Introduction to AREAS

AREAS Architecture

The Development Kit

Introduction to AREAS / What's AREAS?

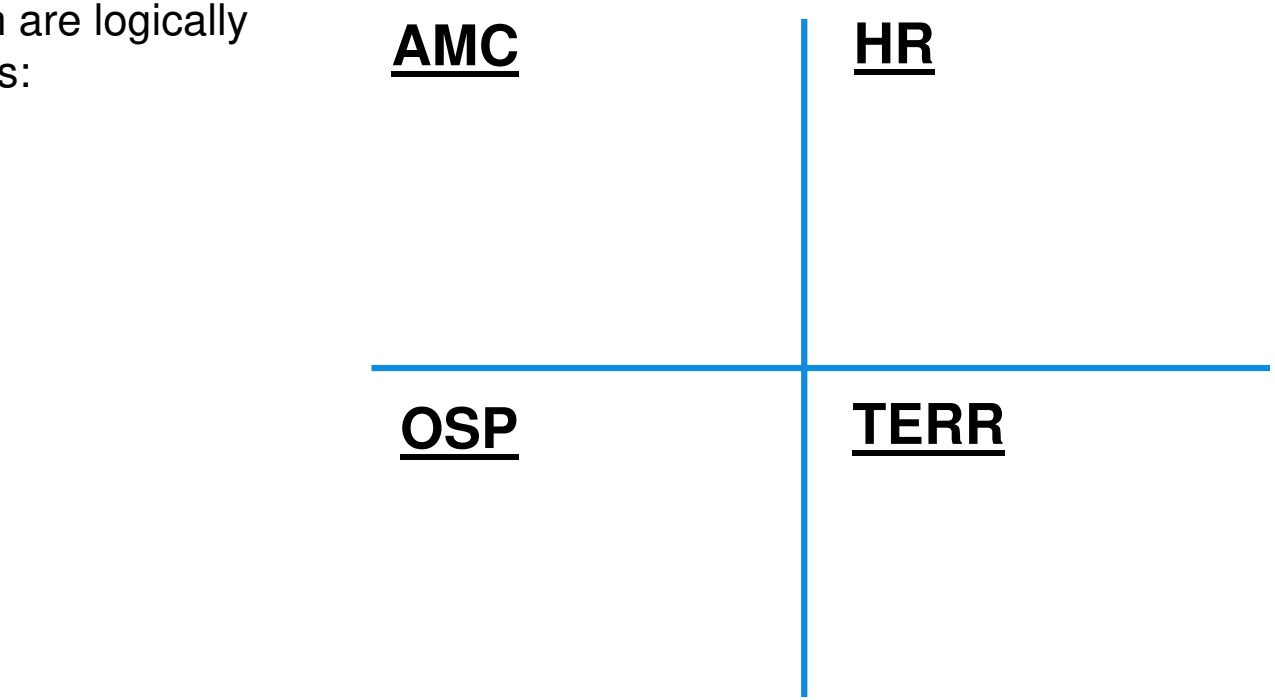
AREAS is a web-based ERP that provides its users with a series of services and functionalities needed to perform the usual activities of the organization where they work.

It is particularly focused on the Healthcare market, but it is also used in some non-healthcare fields.

Introduction to AREAS / Application area

The services provided by the platform are logically divided into **application area**, such as:

- Sales & Accounting (AMC)
- Human resources (HR)
- Hospital services (OSP)
- Local healthcare services (TERR)



Introduction to AREAS / The modules

Each application area is divided into **modules**, each module is able to provide a particular set of functionalities to the user.

When you install a module in AREAS, you allow the user to access the **applications** and **menu items** contained within it.

AMC
- Sales
- Logistic
- Accouting
- ….

HR
- Attendance recording
- Salaries
- Pensions
- ….

OSP
- First Aid
- Hospital ward
- Surgical unit
- ….

TERR
- General practitioner
- Prosthetic assistance
- HC Booking service
- ….

Introduction to AREAS / First approach

The goal is to take a look at the web pages that are installed by a module.

1. Colleghiamoci su http://formazioneamchr.sisar.asl/areas/mainLogin.do Credenziali: **CORSO_JBF**
2. Click on the application “**Anagrafiche**” and then on the menu “**Anagrafiche>>Base>>Comuni**”

AREAS web pages defined as "**standard**" are pages that allow the search, insert and edit of records inside the database (**CRUD operations**).

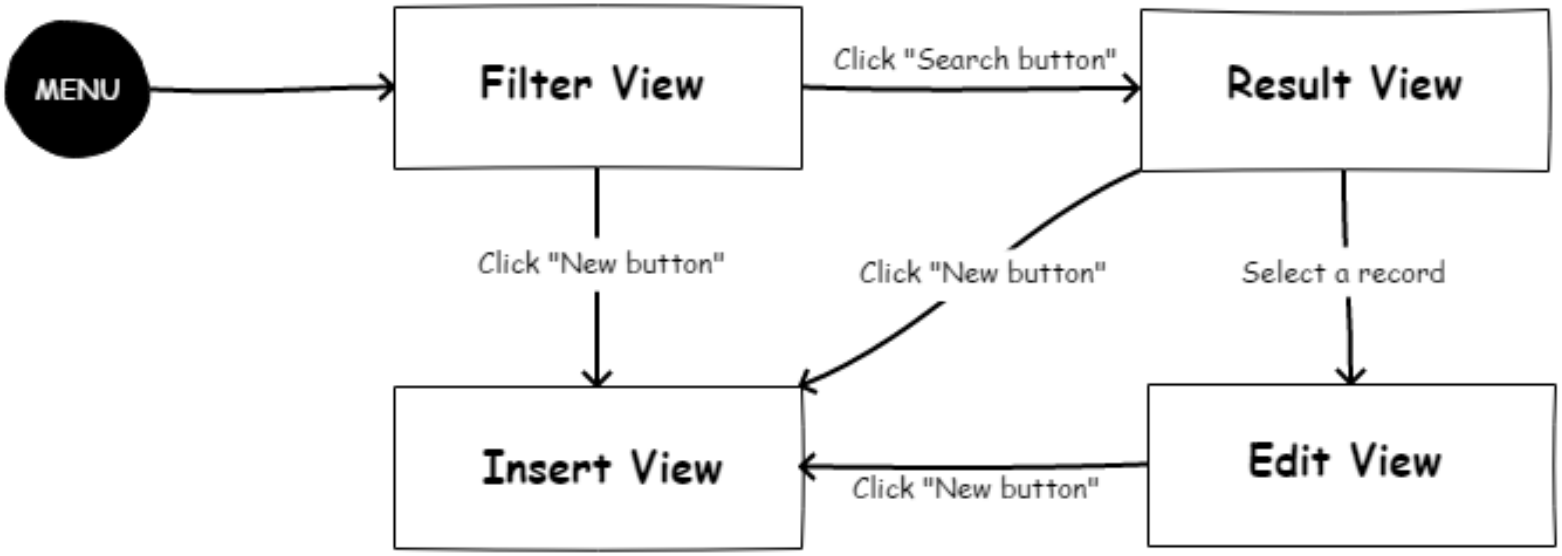
Introduction to AREAS / The standard web pages

In this case, when the user clicks on a menu, the first page that is shown is the “**Filter View**". From this view, the user can define filters and criteria to search the records within the database.

In the next step, the user can see the “**Result View**” He can print the results or he can select one of them. In this way, the user goes into the “**Edit View**”. From this page, he can modify the data of the record.

In the same way, through the "New" button, at any moment, the user will be able to access the “**Insert View**". From this page, he is able to insert a new record within the database.

Introduction to AREAS / The standard web pages



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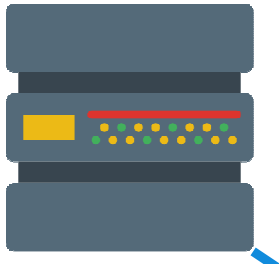
AREAS Architecture / Basic architecture



Application Server

Apache Tomcat 8.x

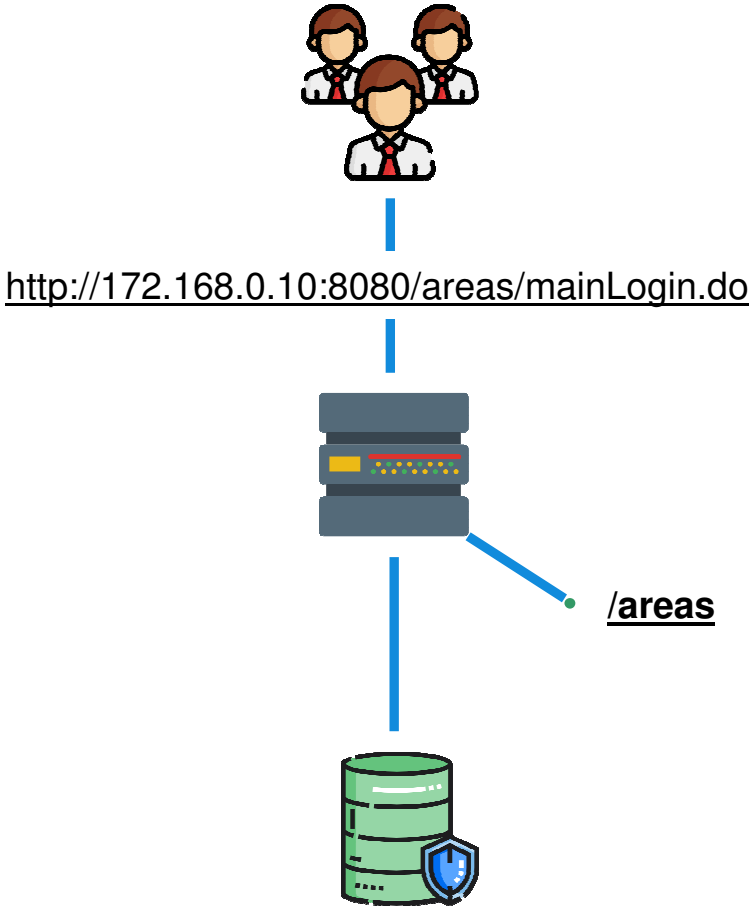
webapp *(AREAS instance)*

AREAS is installed using a dedicated tool called **ABFInstaller**.

Database

Oracle 11,12,19

AREAS Architecture / Basic architecture



URL: http://172.168.0.10:8080/areas/mainLogin.do

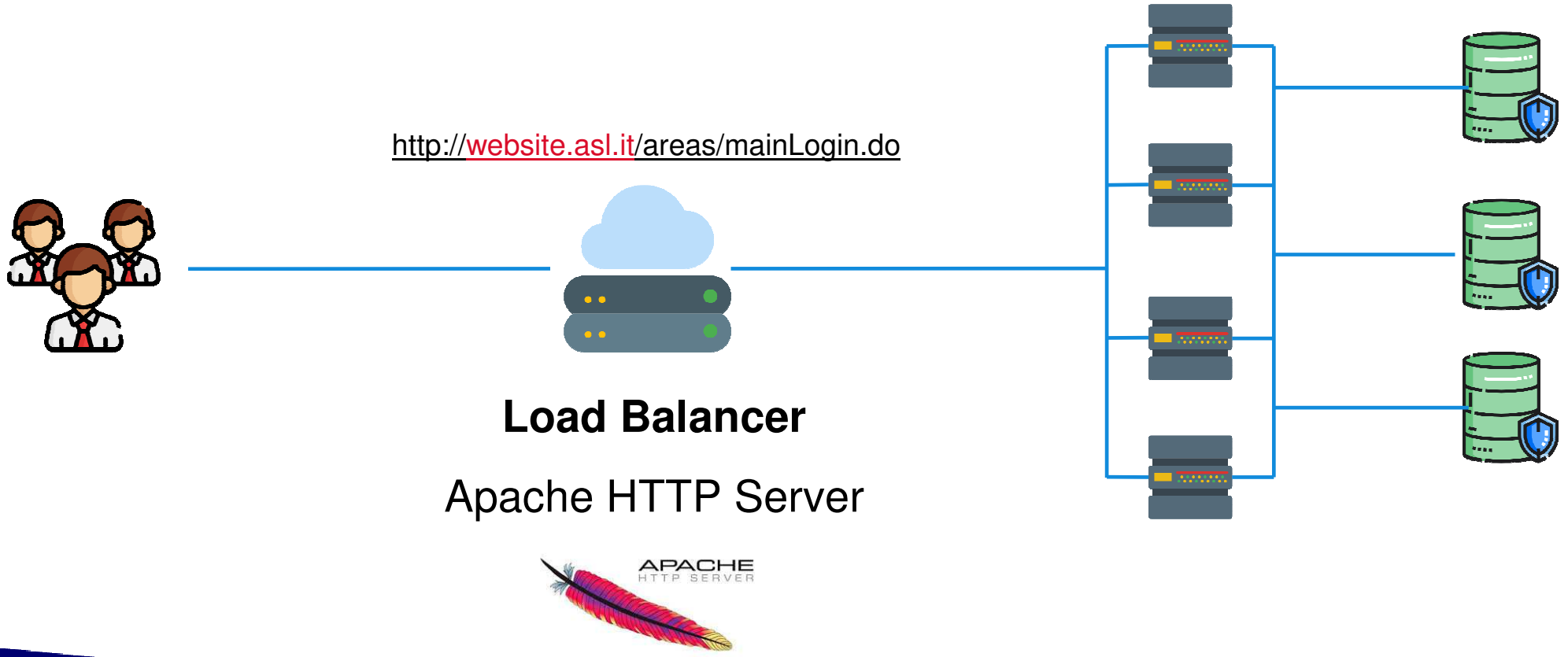
Host: 172.168.0.10

Port: 8080

Context: areas

Mapping: mainLogin.do

AREAS Architecture / Complex architecture



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The Development Kit / What do we need?

1. **Java JDK 1.8 (minimum update: 1.8.161).** https://www.oracle.com/technetwork/java/javase/downloads/java-archive-javase8-2177648.html
2. **Apache Tomcat 8.x. (8.0.33 suggested).** https://archive.apache.org/dist/tomcat/tomcat-8/v8.0.33/bin/
3. **Eclipse IDE.** https://www.eclipse.org/downloads/
4. **SVN plugin (Subversive suggested).** You can download it directly from the marketplace of Eclipse
5. **SQLDeveloper (or any other IDE SQL that is able to work with Oracle).** https://www.oracle.com/tools/downloads/sqldev-v192-downloads.html
6. **Orale JDBC Driver**

All the things above can be downloaded here:

NB: All the softwares in 32 bit or 64bit