



POLITECNICO
MILANO 1863

Requirements Analysis and Specifications Document

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Figure 1: New brand logo.

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1 Introduction

2 Architectural design

2.1 Overview

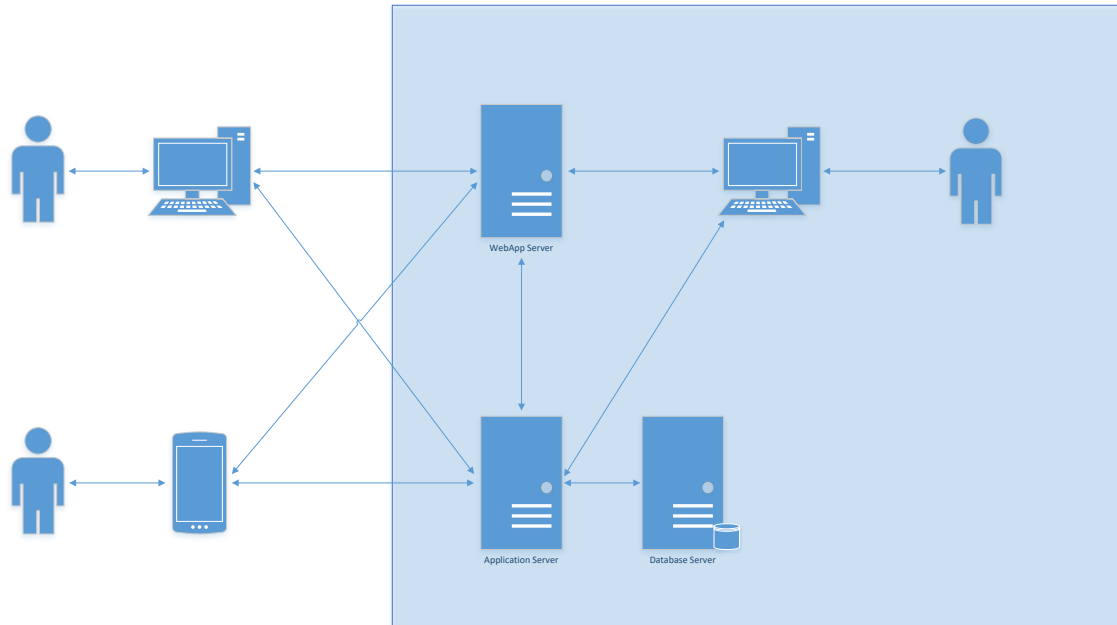


Figure 2: Overview architecture.

Logical architecture <TODO: parlare dell'implementazione di un quarto tier adibito alla business logic. CLOUD?>

The system of PowerEnjoy service is composed by a three layer architecture:

- **Presentation layer:** is the tier which allows the general user (employee and user) of the system to interact with the functionality of PowerEnjoy service. The users can access to the system with a common web browser, or with the mobile application. The web server contains the structure of the web pages, and it answers to the user's requests, generating the page with the proper data, received from the application server. There are two ways of interaction between users and system. The first one with a modern and up to date web browser. The second one is represented by the mobile application, which is completely derived from the website, using Phonegap service to transform it in an executable file for all the mobile OS nowadays available. Due to that, the website will be developed following the principles of responsive pages, in order to reduce the amount of code, and increase the product quality attributes (as

maintainability, performance, portability, etc...). Furthermore, a responsive design will give to the users of PowerEnjoy system a service easy to use and always familiar;

- <TODO: stesso diagramma con DMZ in rosso così si capisce meglio>
- <TODO: server farm con due server per ogni tier tranne il client>

Tier architecture

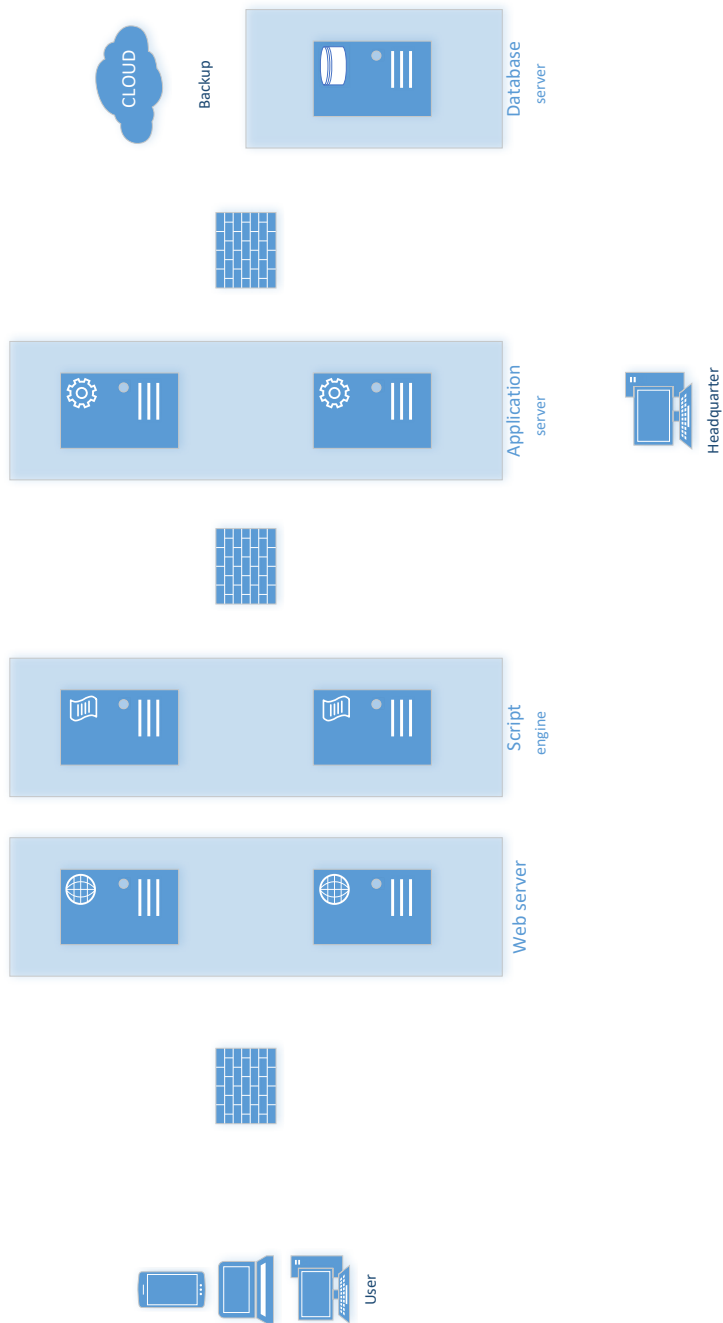


Figure 3: Real architecture of