

Work Package #4:

Supporting Structures for Innovation, Research, and Research Management

LEAD BY : THE UNIVERSITY OF JORDAN

4.3 Innovation and Research Information Platform

- A web-based innovation and research information platform will be created in order to:
 - collect innovation and research data conducted in the university allowing the institution to centralize the information and to share it with other institutions (policy makers, innovation centers).
 - Access to the platform will be given to all researchers and centers within the partnership and beyond.
- Service/Product
- INSTITUTION LEVEL

4.4 Innovation and Research Information Database

- A database will be created through the online platform which will:
 - facilitate information entry that includes comprehensive lists of researchers, centers and industry partners.
 - This database will be linked to a database of national researchers in Jordan and Morocco.
- Service/Product
- INSTITUTION LEVEL

SUGGESTED SCHEDULE / ROADMAP

Task	2017			2018	
	Oct	Nov	Dec	Q1	Q2
Project Management	Kick-off ▼	MIMIr Morocco ▼			System Launching ▼
System Development	Analysis	System Design	Development	Implementation	Stabilization Support
Equipment Installation	Offer Confirmation from UB		Equipment & Platform Fund Transfer	Delivery	Installation, Test, Training
IT Technical Tasks	Requirement Analysis	System Design	Development	Implementation	
Training				Univ. Staff training	External users training
				Documentation & User Manuals	





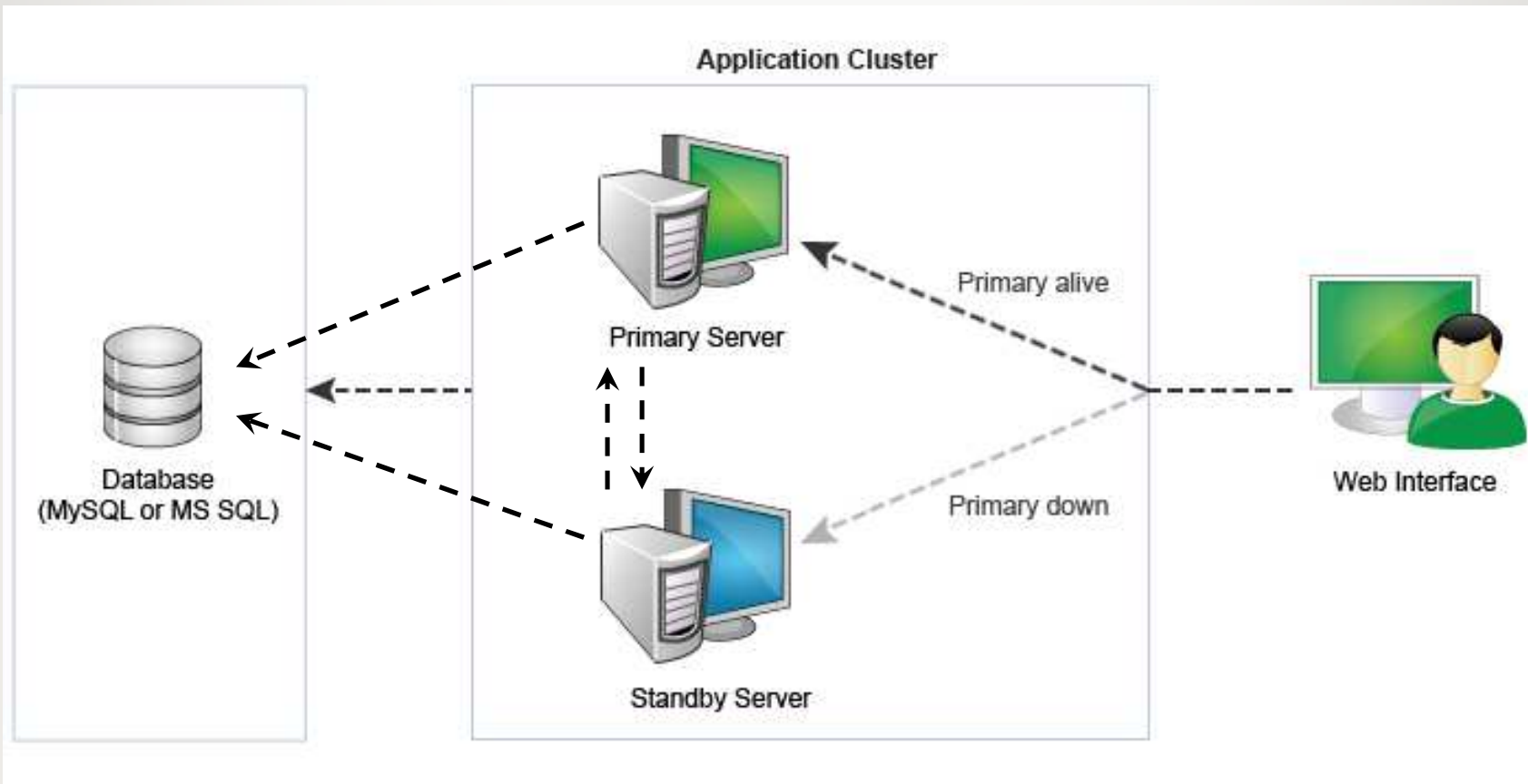
Hardware

Platform

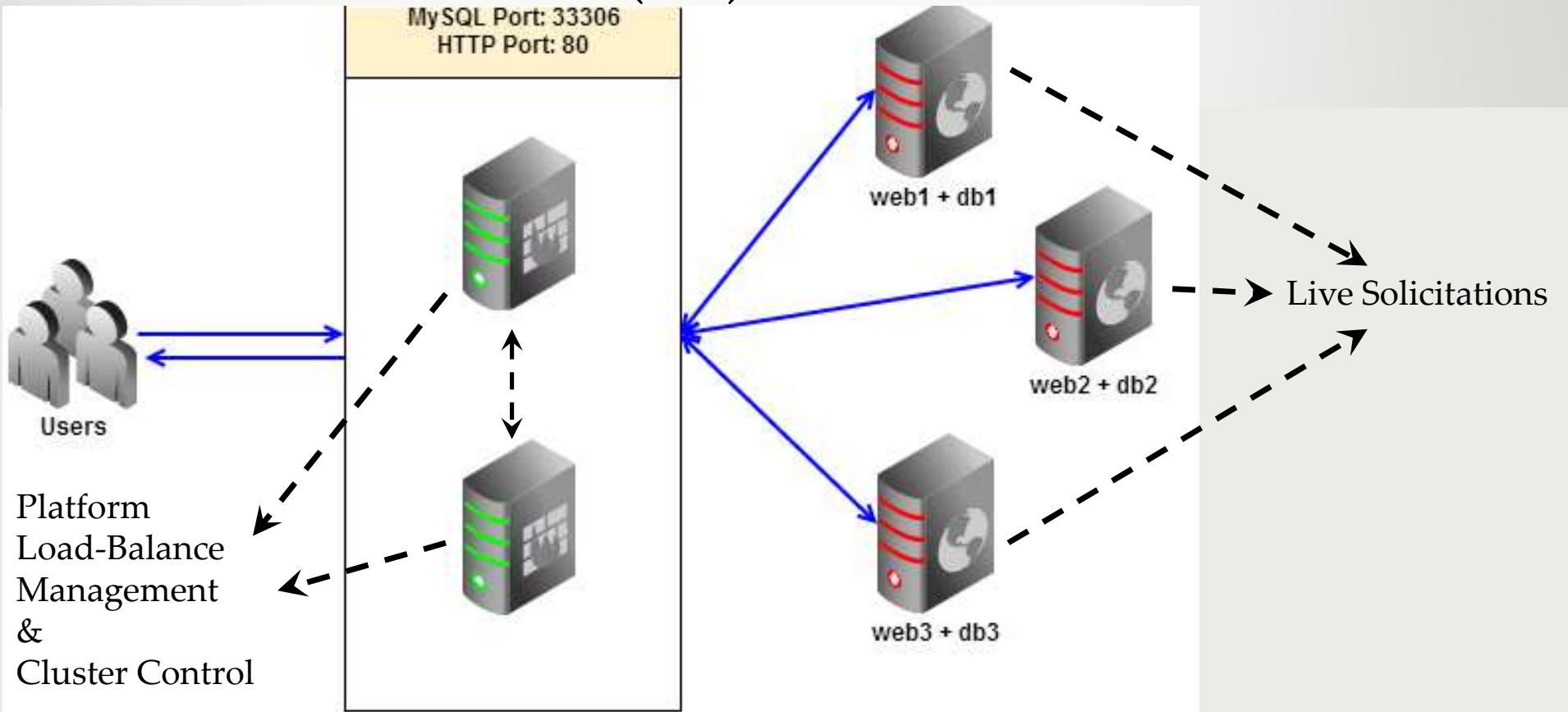
Specifications (Servers x 2)

- **Intel® Xeon E5-2609 v4 (1.7GHz, 20M Cache, 6.4GT/s)**
- **Intel® Express Chipset**
- **96GB (6x16 GB 2400MT/s Dual Rank RDIMMs)/**
- **6 x 600 GB RPM SAS 15K 6Gbps 3.5in Hot-plug Hard Drive Kit / H330 Integrated RAID Controller**
- **iDRAC8 Express/ On-Board LOM 1GBE (Dual Port for Racks and Towers, Quad Port for Blades)/ RAID 1 for H330/H730/H730P**
- **Dual Hot-plug, Redundant Power Supply (1+1) 495W**
- **3 years warranty**

Platform Architecture (1/3)



Platform Architecture (2/3)



Platform Architecture (3/3)



Who is setting in the middle of the platform ?

No one.



Who is actually in control ?

Everyone are in control of their own data, and how much they want to share. Load balancing & cluster management; however, are done at two servers, and could be controlled by UoJ until implementation is finished, then UoJ will be responsible for maintenance, only!



Software

Platform

Stakeholders

Administrators

Responsible for system updates and high level content management

- Universities
- Ministries of Higher Education

Content Managers

Staff responsible for information update and management

- Universities
- Ministries
- Industries
- Researchers

Guests

Viewing the information on some webservers.

- Academia
- Government
- Industries
- Researchers
- Doners
- Policy Makers

Functional/Non-function Requirements

Functional Requirements

- **User Management & Privacy Control**
 - Accepting users
 - Defining privileges
- **Content Management & Information Sharing**
 - Creating new content
 - Modifying existing content
- **Querying (user / content)**

Non-Functional Requirements


- **Efficiency**
- **Effectiveness**
- **Reliability**
- **Accessibility**
- **Scalability**
- **Stability**
- **Etc..**



Bashar Al-Shboul

Dashboard / Profile

Reset page to default



Abeer Albawab

Message

User details

[Abeer Albawab](#)

Email address
bashar.shboul@gmail.com

Country
Jordan

City/town
Amman

Interests

- Natural Language Processing
- Data Mining
- Text Mining
- Semantic Web
- Web Economics
- Information Retrieval

[Abeer Albawab](#) a.bawab@ju.edu.jo Amman Jordan Never [Confirm](#)

shboul is an Associate Professor at the Department of Telecommunications Technology Engineering and is a technical advisor for the Scientific Research Support. He worked as freelance solo developer at PricewaterhouseCoopers in Jordan (PwC ME), he also served (201

Dashboard / Users / Abeer Albawab / View profile

User details

Email address
a.bawab@ju.edu.jo

[Edit profile](#)

WP1 will focus on mapping and research within each part of Morocco and Jordan.

- [DEV 1.1](#)
- [Dev 1.2 \(Part #1\)](#)
- 702.9KB PDF document Uploaded 24/01/18, 15:08
- [Dev 1.2 \(Part #2\)](#)

What can we query ?

In a nutshell, everything:

- Information Contents
- Database Contents
- Activities
- IMs
- Users

Current State

- Implementing the load-balance & cluster management servers require actual servers
 - We have thought about the virtual cluster platform, **didn't work !**
- We are aware that different universities have wide range of diverse requirements
 - This is a generic/customizable version of the application that universities may adapt according to their needs.
 - We will, very soon, distribute a survey, and we will need support to collect data on the database users (what fields are required to appear?), and the kind of information every institution is willing to share to the public (what projects? What profiles?). We count on your active participation !

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