

REPORT

Development of Integrated
Library Management System (LMS)
and Library RFID System

Development of SLiMS for ARC
(ASEAN RESOURCE CENTER)

Server Development Settings

This report is compiled as of January 2019

This report created by:
SDC (SLiMS Developer Community)

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Server Development Settings

SERVER Development SLINGS

*) IP Address: 206.189.89.165

Username: root

Password: W\$rd1y0n0#2018

SERVER Development ELASTIC

*) IP Address: 167.99.74.249

Username: root

Password: W\$rd1y0n0#2018

*) Discontinued tanggal 27 Oktober 2017

Things done with Lab Server Configuration:

No.	Date	Activities
1	02 May 2018	a. Installing git-core
2	04 May 2018	a. Installing apache2 b. Configuring apache2.conf. Adding line: ... ServerName 206.189.89.165 c. Installing mysql server Mysql version 5.7 Uname: root Passwd: W\$rd1y0n0#2018 d. Install php7.0 Configuring dir.conf within /etc/apache2/mods-enabled to make apache read index.php file first e. Adding file info.php f. Adding adminer. For access: http://206.189.89.165/adm.php g. Adding SLiMS source code for AsecLib from gitlab repo h. Adding php-gettext i. Adding php-mbstring j. Adding php-gd k. Adding php-dev l. Install YAZ for activating z3950 service m. Install MARC support

3.	05 May 2018	<p>Test pdftotext</p> <ul style="list-style-type: none"> • apt-get install poppler-utils • Git clone https://github.com/spatie/pdf-to-text.git • Git clone https://github.com/christian-vigh-phpclasses/PdfToText.git
4	15 June 2018	<p>Elastic server on server 167.99.74.249</p> <p>Installation of elastic server with detail:</p> <ul style="list-style-type: none"> • ORACLE JDK 10.0.1 installed as requirement for Elastic server from Linuxuprising PPA (ppa:linuxuprising/java) with following command: <pre>sudo add-apt-repository ppa:linuxuprising/java sudo apt update sudo apt install oracle-java10-installer</pre> <p>java -version output:</p> <pre>java version "10.0.1" 2018-04-17 Java(TM) SE Runtime Environment 18.3 (build 10.0.1+10) Java HotSpot(TM) 64-Bit Server VM 18.3 (build 10.0.1+10, mixed mode)</pre> <ul style="list-style-type: none"> • Elasticsearch version 6.3.0 installed using official elastic' installation instruction at https://www.elastic.co/guide/en/elasticsearch/reference/current/deb.html • Elasticsearch service is confirmed running using curl command: <code>curl -X GET "localhost:9200/"</code> <p>Result:</p> <pre>{ "name" : "asean_elastic_main", "cluster_name" : "asean_elastic", "cluster_uuid" : "-hydatccTK62XShDXsS5aQ", "version" : { "number" : "6.3.0", "build_flavor" : "default", "build_type" : "deb", "build_hash" : "424e937", "build_date" : "2018-06-11T23:38:03.357887Z", "build_snapshot" : false, "lucene_version" : "7.3.1", "minimum_wire_compatibility_version" : "5.6.0", "minimum_index_compatibility_version" : "5.0.0" }, "tagline" : "You Know, for Search" }</pre> <ul style="list-style-type: none"> • Elasticsearch service confirmed can be called from application server using curl command: <code>curl -X GET "167.99.74.249:9200/"</code> • Elasticsearch server currently running with 2GB dedicated memory • To start Elastic server run: <code>systemctl start elasticsearch.service</code>

		<ul style="list-style-type: none"> To stop Elastic server run: <code>systemctl stop elasticsearch.service</code>
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Note:

1. Installation guide for LAMP taken from:
<https://www.digitalocean.com/community/tutorials/how-to-install-linux-apache-mysql-php-lamp-stack-on-ubuntu-16-04>

ASECLIB Server information

1. Server Aplikasi

Online application servers (internet) can be used to implement applications and other services that are needed.

For this server, because it can be accessed via a remote connection, the handling is different. The IP information and accounts that are on this server are:

IP : 103.118.3.36
 Username : root
 Password : secured by using a public key

*) the use of Public IP on this server is temporary, until configuration activities, application installation, is considered complete. After that, the server will use the local IP with the address from December 24, 2018:

IP : 10.1.3.124
 Username : root
 Password : 4s3c2018#SLiMSapp

No.	Date	Activities
1	06 September 2018	This server has apache and slings installed. For slings can be accessed at: http://103.118.3.36/library
2	24 Desember 2018	The application server is moved to the Private network so that it cannot be accessed directly by the public with IP private configuration 10.1.3.124

2. Database Server

Online database servers (internet) can be used for implementation database and other services needed.

For this server, because it can be accessed via a remote connection, the handling is different. IP information and the account that is on this server are:

IP : 103.118.3.35

Username: root

Password : secured by using a public key

*) The use of public IP on this server is temporary, until configuration activities, application installation, are considered complete. After that, the server will use the local IP address:

IP : 10.1.3.125

Username: root

Password: 4s3c2018#SLiMSdbase

No.	Date	Activities
1	06 September 2018	<p>This server can be accessed via the internet, because it has been installed:</p> <ul style="list-style-type: none">A. Mariadb;B. Httpd. <p>For access to the admin on this server: http://103.118.3.35/dbmonit.php Uname: root Passwd: 4s3c2018#SLiMSdbase</p>
2		

REMOTE ACCESS NUC

To open the remote access SLiNGS application server, placed the NUC computer as a remote server with network configuration as follows:

Local IP: 10.1.3.126

Gateway: 10.1.3.19

No.	Date	Activities
1	26 Desember 2018	<p>The Remote Access server has been installed TeamViewer (version 14) with access configuration as follows:</p> <ul style="list-style-type: none">A. Partner ID: 1141338645B. Password: ARCSLiMS <p>For access to the application server at IP 10.1.3.124, use putty that is directly connected</p>

Note LDAP Server

LDAP: 10.1.3.55

DN: internal.asean.org

Test user : slims.test@asean.org

Ldap User Account : slims test

Password : 1q2w3e\$r

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