Data Extract Server Setup

# Introduction

This document describes the setup of the Data Extract Server.

The server is ukwtsvulm737 – 192.57.84.170

# Software Installation

All installation files are in directory d:\Downloads.

Downloaded applications are in the main directory. Scripts and configuration files are in the subdirectory ‘Applications’.

* Tortoise – SVN Package
  + <http://tortoisesvn.net/downloads.html>
  + Create a folder d:\svn
  + Right click – Tortoise SVN – Settings – Network, update Proxy settings
  + In directory, select Tortoise / Checkout, select trunk\analysisdeliverables directory
* ActivePerl – script language
  + Installation directory c:\Perl510
  + Do NOT create Perl file association (Default action for .pl scripts is to open in an editor, not to run uncontrolled).
  + Load 2 modules using Perl Package Manager (Start – Programma’s - ActivePerl – Perl Package Manager) Make sure there is an Internet connection before launching Package Manager. Be patient due to slow response.
  + Make sure to set the proxy environment setting for PPM: http\_proxy=http://*ip\_address*:8080. Check IP Address in Internet Explorer Proxy setting.
  + Select ‘View All Packages’, then add packages ‘DBD-mysql’ and ‘Config-IniFiles’
  + Copy files dbParams\_aluCMDB.pm, Log.pm from TortoiseSVN to Perl514\site\lib directory.
  + Verify Log.pm, set logdir variable to d:\\temp\\log. Make sure that directory exists.
* MySQL – Database Engine
  + Select CUSTOM setup type (only MyISAM engine should be installed later on).
  + Select default components
  + Select “Configure the MySQL Server now”. Do NOT select “Register the MySQL Server now”.
  + Select “Detailed Configuration”.
  + Select “Developer Machine”
  + Select “Non-Transactional Database Only” (This will install the MyISAM engine, but not the transactional InnoDB engine. This way no transaction log will be created, resulting in faster performance and easier maintenance).
  + Set the approximate number of concurrent connections to 15.
  + Enable TCP/IP Networking on Port 3306. Also Enable Strict Mode to have password protection.
  + Select Standard Character Set
  + Install as Windows Service, launch MySQL server automatically.
  + Do not include Windows directory in Path.
  + Modify Security Settings with new root password. Enable root access from remote machines.
* Apache – Web server for phpmyadmin interface (MySQL configuration) and result publishing.
  + Accept all defaults
  + Typical installation
  + Test successful installation from browser on local PC. <http://127.0.0.1> should return ‘It works!’. Note that <http://localhost> does not work.
  + In httpd.conf, uncomment line “Include conf/extra/httpd-manual.conf” and recycle Apache. Documentation is now available on http://*servername*/manual
* PHP – Web scripting language, required for phpmyadmin. Can be used for real-time monitoring result publishing.
  + Installation directory c:\Program Files\PHP53\
  + Web server setup: Apache 2.2x Module
  + Apache configuration directory: c:\program files\apache software foundation\apache2.2\conf\
  + Accept default items to install
  + Create an directory for the php applications c:\phpweb
  + Edit php configuration file c:\Program Files\PHP53\php.ini
    - doc\_root = “c:\phpweb”
  + Edit Apache configuration file c:\Program Files\Apache Software Foundation\Apache2.2\conf\httpd.conf
    - Comment existing DocumentRoot
    - DocumentRoot = “c:/phpweb” (forwarding slash!)
    - Find the <Directory ...> setting to be changed for DocumentRoot, change it to DocumentRoot (<Directory “c:/phpweb”>).
  + Restart Apache to pick up changes.
  + Create a php test script c:\phpweb\phpinfo.php
    - <?php phpinfo() ?>
  + Launch browser, <http://127.0.0.1/phpinfo.php> should show php settings.
* Extract phpmyadmin zip file to DocumentRoot directory. Test with
  + <http://127.0.0.1/phpMyAdmin-3.2.0.1-english/main.php>, log-in with MySQL (root) username and password.

# ~~Application Installation~~

* With phpmyadmin, create database ‘appsmon’
* Load tables (mysql –uusername –ppassword appsmon < c:\MonInstallDir\Applications\MySQL)
* Copy scheduler directory (scheduler.ini, scheduler.pl, badboyAgent.pl) to ApplMon directory
* Copy probes directory (with badboy scripts) to ApplMon directory.
* Review scheduler.ini settings

# Run Application Remotely

The application is designed to manage remotely.

Make sure there is a Windows connection to the probe server. This can be established with

net use \* [\\10.140.242.55\e$](file:///\\10.140.242.55\e$) \* /user:corpad\dz09s6

Then a task can be launched with

at [\\10.140.242.55](file:///\\10.140.242.55) 16:27 e:\applmon\scheduler\scheduler.bat

The time specified (16:27) must be in the future . Script execution can be controlled with scheduler.ini file on the share.

# Record Script

* Fresh Start Badboy
* Walk through site
* Select Text on regular base, Use Ctrl & Alt & A for quick Assertions
* Stop Recording
* Save as “New Badboy Script…”, do not use spaces in Script name. Save without responses.

# Jmeter Application configuration

Configure jmeter.properties to guarantee log file in expected format:

jmeter.save.saveservice.output\_format=csv

jmeter.save.saveservice.assertion\_results\_failure\_message=true

jmeter.save.saveservice.default\_delimiter=|

Additional information in jmeter User Manual, 14. Listeners, 14.1 Default Configuration

* Make sure that Assertion Strings do not contain line breaks. They do appear as line break in the resulting csv file, and the application cannot handle this.
* Go to first HTTP Header Manager – delete Referer (no requirement)
* Check for identical labels – add identifier if required (e.g. webAccess)
* Check for expired sessions (e.g. watis – vind een job)

# AppsMon website

* Create directory phpweb\appsmon, create subdirectory perfcharts.
* Check cgi scripts, path to Perl