LECTRA FASHION PLM
PLM SYSTEM ADMINISTRATION

User Guide

Date of last update: September, 2015

Contents

Modifications made to the document since its last publication are highlighted in blue.

1. INTRODUCTION

Lectra Fashion PLM System Administration has 2 main functionalities:

- Display an overview of the installed PLM infrastructure:

  o Server list

  o Components installed on each server

  o Relationships between servers

- Display & Edit technical configuration parameters:

  o Global parameters (values are common to all servers):

  - **License Server**: Used to control user access to the PLM

  - **Mail Server**: SMTP server used by Lectra PLM to send emails to the users

  - **File & Image Repository**: Path to PLM Binaries Repository

  - **Report Processing**: Max parallel processing count for small and big reports on asynchronous reporting servers

  o Server parameters (with specific values for each server):

  - **Report Server Host**: Asynchronous Report Server Host

  - **Report Server Port**: Asynchronous Report Server Port

  - **Operator Server**: Operator Server host with port

2. INSTALLATION

This component is embedded in LectraSingleInstaller and installed through the Apache installation package.

It creates a "**Lectra Fashion PLM System Administration**" Windows service.

Note: it can be deployed on any host (using the Apache package)

3. ACCESS

During the installation a local Windows security group is created on the server named: "**lectraplmadmin**".

The user account provided during the installation (LectraSingleInstaller) is added to this group "**lectraplmadmin**".

The Lectra Fashion PLM System Administration module can be accessed in two ways:

- Standard (with Apache):

    o **http://{host}/plmadmin**
    o Username/password: a member of "**lectraplmadmin**" local Windows group

- Direct (without Apache, only available on localhost):

    o **http://localhost:8182/plmadmin**
    o No authentication required

4. DATABASE STORAGE

Information is stored in a subordinate "_ADM" schema (example: PLM_01_ADM if the main schema is PLM_01) :

- for configuration parameters (read/write):
    o PLM_CONFIGURATION
- for installation information (read only):
    o PLM_VERSION
    o PLM_VERSIONCOMPONENT

5. SCHEDULED TASKS

The scheduler allows tasks to be run without user interaction. There are two types of tasks:

- Periodic business tasks - called system jobs:
    o Daily planning calculation
    o Mail management (todo list summary)

- User added tasks
    o Asynchronous planning calculation

The scheduler and the jobs can be configured in the
{SERVER_ROOT}\modules\system\layers\base\com\lectra\configuration\quartz\main directory

- The scheduler itself can be configured (logs, name, threadpool, database) in quartz.properties
- Each job has its own xml configuration file
    o You can modify the cron-expression in the trigger section of each file to configure the job:

```
<trigger>
   <cron>
        <name>PlanningCronTrigger</name>
        <group>System/Planning</group>
        <job-name>PlanningLauncherJob</job-name>
        <job-group>System/Planning</job-group>
        <cron-expression>0 0 1 * * ?</cron-expression>
    </cron>

        </trigger>
```

In this example, the job is scheduled every day at 1 a.m.

- For more on configuration, see http://quartz-scheduler.org/documentation/quartz-2.1.x/configuration/

At runtime, a console is provided at **http://{host}/plm-console/scheduler** to monitor jobs and see errors.

6. CONFIGURATION LOAD IN THE FASHION PLATFORM

- On "Lectra Server JBoss Service" start:

    o a **{PLM_install_dir}\platform-config.properties** file is generated from CONFIGURATION table

    o this file contains:

        ▪ all the Global parameters

        ▪ the Server parameters related to the current host

    o This file is loaded in the JBoss JVM

7. WHEN INSTALLED ON A VIRTUAL MACHINE

- The hostname used in PLM_VERSIONCOMPONENT and PLM_CONFIGURATION tables is the VM hostname

- But LoginStation needs to have the physical machine hostname in PLM_VERSIONCOMPONENT for the Apache component => change it only for this component

- Side effect: when opening PLM Administration you will see 2 servers:

  o One with the physical machine hostname, and containing Apache component

  o One with the VM hostname, and containing all the other components

8. TROUBLESHOOTING

Issue	Resolution
Both standard and direct access do not display Lectra Fashion PLM System Administration GUI	Check "Lectra Fashion PLM System Administration" service has started
Direct access (localhot:8182/plmadmin) is ok but not standard access	Check Apache configuration and lectraplmadmin Windows user group
Server parameters are not displayed, but Global parameters are ok	Check hostnames matching between PLM_CONFIGURATION.HOSTNAME and PLM_VERSIONCOMPONENT.COMPONENTSERVERNAME
Changes are well saved into CONFIGURATION but not used in PDM	Check that all concerned JBoss services have been restarted after the change.