**Administrator's Guide**

**for software**

**«L\_PLAN»**

**Version 0.1**

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# History of changes

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| **Date** | **Version** | **Author** | **Description** |
| 05.06.2018 | 0.1 | Klein A.M. | Document created. |
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# Introduction

This document contains general information about the «L\_Plan» system, used environments, user authorization, metadata structure, describes manipulations in the administrative part of the system and intends for system administrators.

This document may not reflect all the capabilities of the system at any particular time. This document may also contain references to functions not available on your computer system. Such references should not be interpreted in the sense that these capabilities should necessarily be available on all types of computer systems or in all places of installation of the system.

# Hardware and software requirements

The infrastructure layout of the Oracle schema with the tables of dictionaries and facts tables, and the location of the L\_Plan software imposes minimal hardware requirements.

Also, you need the client-server application Informatica PowerCenter.

The operating system for this ecosystem should be Linux, and the user under whom PMCMD will be called must have the rights to receive data from Oracle and run the sh-scripts.

# The procedure for installing and uninstalling the system

The infrastructure for this software should be deployed using the following software:

1. Linux OS.
2. Oracle 11g R2.
3. Oracle Application Express 5.
4. Informatica PowerCenter 9.5.1.

## Prerequisites

Requirements for installed software:

1. Oracle 11g R2 Express Edition (Database).
2. Oracle Application Express 5.1.

After installing APEX on all environments, you need to create a workspace named DASH\_WKS.

The executable code of the L\_Plan application is in the scheme: L\_PLAN, respectively, the following actions should be performed:

1. In database create, if not, the user L\_PLAN.
2. In the L\_PLAN schema, dblinks are created for metadata of the IPC.

User creation Script L\_PLAN:

create user l\_plan

identified by <password>

default tablespace l\_plan

temporary tablespace temp\_1

profile default

account unlock;

grant create cluster to l\_plan;

grant create database link to l\_plan;

grant create dimension to l\_plan;

grant create external job to l\_plan;

grant create indextype to l\_plan;

grant create job to l\_plan;

grant create materialized view to l\_plan;

grant create operator to l\_plan;

grant create procedure to l\_plan;

grant create sequence to l\_plan;

grant create session to l\_plan;

grant create synonym to l\_plan;

grant create table to l\_plan;

grant create trigger to l\_plan;

grant create type to l\_plan;

grant create view to l\_plan;

alter user l\_plan quota unlimited on l\_plan;

alter user l\_plan grant connect through apex\_rest\_public\_user;

## Installation and Setup

1. Set delivery of all tables, sequence, program, job, package.
2. Put the IPC files in the repository.
3. Put the SH-script on the server.
4. Configure the OS user's account.
5. Install the APEX application.
6. Check the availability of the web-interface of the software «L\_Plan».

# Description of the system

The L\_Plan system currently consists of a custom APEX application that requires only a browser on the client, the Oracle DBMS, which hosts the main infrastructure objects, IPC objects that run the boot plan on schedule. Running is carried out by clicking on the appropriate link and authorizing the user with their personal login and password.

## Description of the media used by the application

The application uses a connection to one of the following environments:

| Environment | APEX | SID | Web link |
| --- | --- | --- | --- |
| Production | my\_dbace | MY\_DBASE | <http://my_dbase:8080/ords/f?p=117:1> |

| Environment | Username |
| --- | --- |
| Monitoring | L\_PLAN |

In each environment, there are the following schemes:

| Schema | Description |
| --- | --- |
| L\_PLAN | A schema that contains application objects |

## Passwords and Accesses

All passwords for DBMS schemes and administrator accounts are located at the Support Department.

## Assignment of access rights

The administrator delimits access rights.

## User Authorization

Each user gets a separate account. After successful authorization, the application can determine which authorization schemes the user is leaving.

## User’s interface

The user’s part includes an interface that allows you to manipulate data and run a plan. To enter the user’s part, the user must be authorized in the L\_Plan application.

# The structure of metadata

Metadata of the «L\_Plan» system are found in the Oracle database database tables.