

# Paradigm Software Launcher for Linux

Version 1.26

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## Changelog:

Version 1.26 – 22<sup>nd</sup> December 2016 :

1. Added “scan” mode to scan defined directory for installations
2. Fixed the binaries location detection
3. Fixed shell script to handle absence of \$HOST or \$HOSTNAME environment variable

Version 1.21 – 09<sup>th</sup> November 2015 :

1. Updated Release notes
2. Minor License management issues fixes

Version 1.20 – 28<sup>th</sup> August 2015 :

3. License Checker: Fixed License file path detection...
4. License Checker: Fixed License Log file filter...
5. Added Paradigm 15 release support
6. Minor GUI changes

Version 1.17 – 28<sup>th</sup> October 2013 :

7. Fixed Epos3 PNS detection...
8. Added 2014 release support (based on beta)

Version 1.16 – 30<sup>th</sup> August 2013 :

9. Fixed Geolog was not starting...
10. Added ability to select currently used PNS server for Geolog (this change is not saved to ***geolog6\_env.tcl***)
11. Shell is now started with ***PG\_OVERRIDE\_RTVR*** set to enable changed environment affect applications
12. Feature description in License tool now read from ***PGL.apfl*** and ***pg\_product\_catalog.xml***
13. Now Main window geometry affects Paradigm logo image size

Version 1.15 – 14<sup>th</sup> August 2013 :

14. Added Feature description panel in License tool (read from ***PGL.apfl*** file)

15. Now Main window geometry is saved and restored per-user in PGL configuration file

Version 1.14 – 8<sup>th</sup> August 2013 :

1. Added option to restart ***PG\_Imgrd\_startup\_script*** to restore default license set
2. Fixed license server restart function – now it is done under appropriate user detected from ***PG\_Imgrd\_startup\_script*** script or a running server process owner

Version 1.12 - 1<sup>st</sup> August 2013 :

1. Now Last Version selection is saved to user's home directory in ***.PGLconf*** file
2. Fixed some minor bugs

Version 1.1 – 17<sup>th</sup> July 2013:

1. Added License tool under ***Sync to Customer Licenses...*** command in ***Administration*** menu

Version 1.0 – 28<sup>th</sup> May 2013:

1. Changed PNS path detection logic
2. Minor fixes

Version 0.99 – 25<sup>th</sup> April 2013:

3. ***Epos Control Panel*** moved from ***Start Session*** to ***Administration*** menu
4. Added PNS manager under ***PNS manager...*** command in ***Administration*** menu

Version 0.8 – 18<sup>th</sup> April 2013:

1. Released with current main window interface
2. Automatic PNS selection and its path detection
3. Admin mode replaced with Administration menu
4. Current PNS server name is displayed next to selected Apps version
5. SKUA added to Start session menu
6. ***Start session*** and ***Administration*** menu items are greyed-out if app\service is unavailable
7. Debug mode for applications is added
8. Added info about the script in the bottom of the mail window

Version 0.0 – 7<sup>th</sup> February 2013:

1. Initial wide release

## Purpose:

- Easy way to switch between and run different versions of Paradigm Applications and Services
- Easy access to Applications and Services Configuration utilities
- Replace and co-exist with the outdated **pgver** script
- License tool – automates license-related troubleshooting

## Main window:



Script was created using Visual TCL application.

## Requirements:

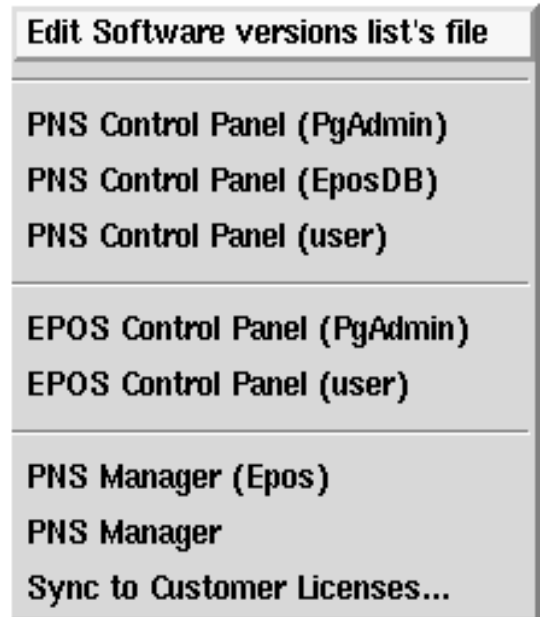
1. Script was tested on Linux distributions: 64-bit RedHat (Centos) 5.x and 6.x
2. Default shell should be set to CSH/KCSH
3. Supported Paradigm Software versions are: from 3TE to current 2011.3
4. Applications and Services assumed to be installed in the same upper folder.
5. PNS Services boot-mode installation is searched in /etc/init.d/ folder.
6. See License tool requirements (chapter 5.b)
7. Gnome text editor "gedit" is used – must be installed on system side.
8. Xterm is used as terminal emulator – must be installed on system side.

## Features:

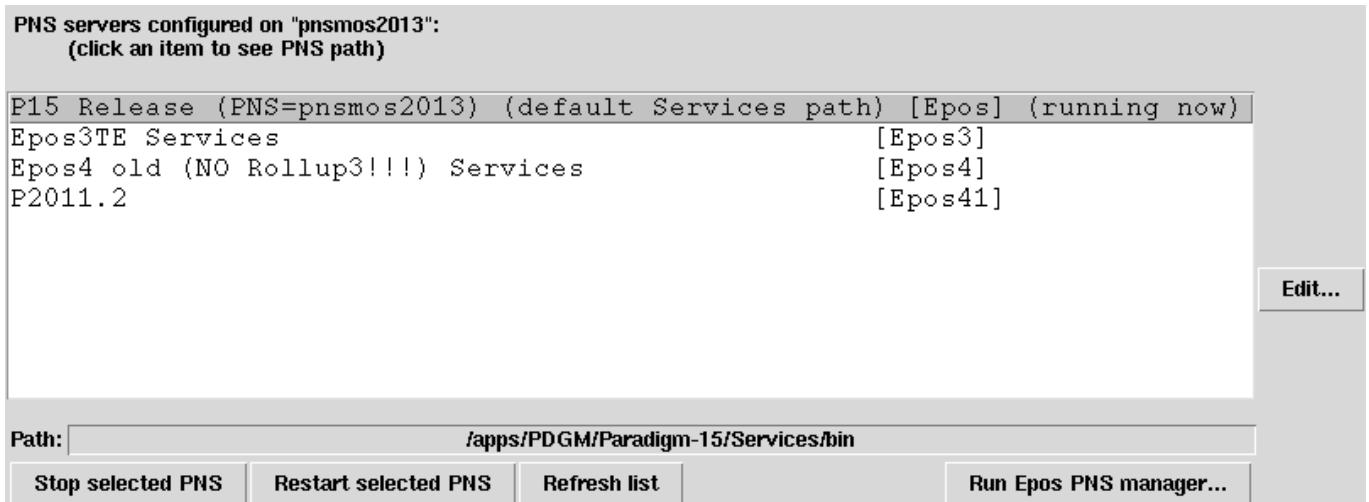
1. **pgversions** file processing the same way **pgver** script does. Files are created automatically if do not exist, with included format description.
2. Selection of PNS server is automatic with detection of services installation path by checking running PNS binary location (if PNS not running – default PNS Services location is assumed as same level as Applications location, see Note #1.)

3. Administration menu allows to run:

- Run **gedit** to edit **pgversions** file as owner of this file to be able to write to it...
- pns\_config** and **PG\_epos\_config** utilities on behalf of PNS administrator (default is **PgAdmin**; requires password input)
- pns\_config** utility on behalf of DB administrator (default is **EposDb**; requires password input)
- pns\_config** and **PG\_epos\_config** utilities on behalf of **current user** running PGL script (for Authentication setup, for example)
- In case current user is **PNS\DB\pgversions\_file\_owner** user, no prompt for password
- License tool. Filters current license files to match customer's ones. Can restart license servers.



4. PNS manager in the Administration menu allows to perform:



- Start/Stop PNS (using root, password required) on the currently selected PNS server (**pns\_install\_service** and **pns\_remove\_service** scripts are used for that)
- Display list of found PNS Services installations on the PNS server (in Boot or Initab modes)
- Create and Edit list of the installed PNS Services with corresponding paths (**pnsversions** file, same structure as **pgversions** one)
- All operations on the PNS server performed through SSH. Some are done with root password prompt if needed
- If **pnsversions** file absent:
  - Program searches PNS installation in the same folder as Application is installed.
  - Then it looks if the **pns\_host** is running any PNS services and checks its version. (versions are detected from **pgarch** script. options – **Epos3**, **Epos4**, **Epos41**)
  - If running PNS services are compatible with **selected applications**. No message is given.
  - If installation is found in default path, but no PNS services are running, script prompts to start PNS at default location for selected applications.
  - If running PNS is detected, but its version is not compatible with selected applications, script prompts to open embedded PNS Manager.

5. **Sync to Customer's Licenses...** This tool allows:

**Current License Server(s):**

yptmos1  
pc-mos-grits

**Load Full/Owned license...** **Server Name:** pc-mos-grits **Add**

**Server's Features list:**

Feature	count	expires
alea_core	2	17-apr-2016
alea_gui	2	17-apr-2016
fracmv_core	2	17-apr-2016
fracmv_gui	2	17-apr-2016
g2_core	2	17-apr-2016
g2_core_jcrtl	2	17-apr-2016
g2_gui	2	17-apr-2016
go4space	2	17-apr-2016
gocad_base	2	17-apr-2016
gocad_base_jcrtl	2	17-apr-2016
gocad_base_mp	2	17-apr-2016
gocad_base_ste	2	17-apr-2016
gocad_core	2	17-apr-2016
gocad_core_jcrtl	2	17-apr-2016
gocad_core_ste	2	17-apr-2016

**Select all** **Clear selection** **Search:** gd **Found: 35 match(es)**

Product: [AO,] ED-1142 Multi-Core Support for Foundation Modeling  
Description: Multi-Core support for base modeling functionalities. For shared memory platforms only (not available for Linux clusters). Limited to 8 Cores.

**Customer's License...** **pos License Manager.** **Reset License Server to default...** **Save as..** **Restart Server...**

**Running Server log:**

**License file header:**

```
#
# Paradigm License
# Generated on: 2015-04-17 17:53:55 GMT
# Licensee: Paradigm Geophysical - CIS
# Location: Moscow, RUSSIAN FEDERATION
#
SERVER pc-mos-grits 003048b9b522 7507
VENDOR prdm_geo
USE_SERVER
```

**Filter by:** Date

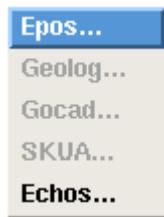
Date: (click - full log)

5/21/2014  
5/22/2014  
5/23/2014  
5/28/2014  
5/29/2014  
5/30/2014  
5/31/2014

16:01:29 (prdm\_geo) (@prdm\_ge  
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16:01:29 (prdm\_geo) (@prdm\_ge  
16:01:29 (prdm\_geo) (@prdm\_ge  
18:00:45 (Imgrd) TIMESTAMP 11  
18:30:13 (prdm\_geo) TCP\_NODE

- View currently configured license servers (configured via **Environment** or **PG\_epos\_config** tool)
- View features of a running server's license file. Requirements:
  - Linux license servers only
  - PG\_Imgrd\_startup\_script** should be available in **/etc/init.d/**,
  - Current User must exist on the license server host
  - Local servers allowable too (through SSH)
- View feature description and related Product name and ID (requires **PGL.apfl** file)
- View License server log file automatically and with manual update...
- Filter Log file view using **date/user/host** mode
- Load and view any License file's features
- Search** and select any **features** in list
- Sync current licenses available for support team to **match** the Customer's license file

- i. Save as new license file or **Restart Server** with selected features list (to restart you have to input password of license server owner)
  - j. The window provides tooltips on main features...
6. **Start Session...** menu allows to run specific Application: (Grayed out items mean binary is not found in the selected Software version **bin** folder)



7. **Debug mode.** Setting this trigger ON allows:
- a. Applications are run in a separate **xterm** window with debug environment and options enabled (variables set: **PG\_ARG\_log\_level=DEBUG**; **PG\_DEBUG=yes** and **-d2** command line option is appended for sure)
  - b. Terminal window doesn't close after Application is terminated\closed to see the last output in the terminal.
8. In the **selected version** Button currently selected PNS server name is displayed

## Installation:

1. Extract contents of **release** folder from PGL.tgz to the location of the **pgver** script and **pgversions** file (usually /apps/pgbin/ ).
2. Execute PGL script which calls PGL.tcl with certain parameters (**pgversions** file name and **pnsversions** file name)
3. Binaries of TclTk interpreter are included in the installation package (**bin** and **lib** folders), but they can be replaced by links to locally install **bin** and **lib** folder containing tksh and required libraries (for example, any installation of Paradigm Software has these binaries in several places...).