

PkMS nTier Environment Overview

Please note this document does not “replace” the installation document, rather it offers supplemental information.

This document gives examples and a short explanation about the PkMS environment variables used by PkMS on the application server. These are defined in the `pkms.env` file on UNIX systems, and in the `PkManager.cfg` file on Windows 2000 systems. Most of these are set during PkMS installation, but sometimes additional tweaking and fine tuning is necessary. Please note the documentation should always be consulted as these values can change from version to version of PkMS.

`CLS_DIR = {directory}` – Set to the directory where CLS (Core Language Services) libraries are installed. PkMS will not function if this is not set correctly

`COMLINK_DB_LOCN = {database location}` – Set to the comlink database location. For Oracle, this is an instance name. For SQL Server this is a System DSN name.

`COMLINK_DB_PSWD = {database password}` – Set to the password used to login to the comlink (EIS) database.

`COMLINK_DB_USER = {database user name}` – Set to the user name used to login to the comlink (EIS) database.

`COMLINK_DIR = {directory}` – Set to the directory where comlink is installed.

`CUSTSRC = {directory}` – Set to the directory containing the PkMS Custom source code. This variable only needs to be set to compile and build PkMS. It is not necessary to set it when running PkMS.

`DAL_DIR = {directory}` – Set to the directory where DAL (Database Access Layer) coreservices are installed. This variable must be set for PkMS to function.

`DAL_TABLELIB = {library}` – Set to the name of the DAL Table library DLL which is usually `libdalt`. The `libdalt` DLL contains objects representing all the tables in PkMS. If this value is not set, PkMS will not function.

`DB_LOCN = {database location}` – Set to the PkMS database location. For Oracle, this is an instance name. For SQL Server this is a System DSN name.

`DB_PSWD = {database password}` – Set to the password used to login to the PkMS database.

`DB_REV = {database revision name}` – Set to a value to specify the database type and version. Please see documentation for correct values. An example is `ORA9I`, which indicates Oracle 9i.

`DB_USERID = {database user}` – Set to the userid used to login to the PkMS database.

LD_LIBRARY_PATH or LIBPATH = {path directories} – A path containing all directories containing load libraries PkMS needs to run. Usually at least the following directories need to be specified (values may vary depending on your installation):

\$PKMS/lib
\$ORBDIR/lib
\$ORACLE_HOME/lib or \$SS2K/lib
\$CLS_DIR/lib
\$COMMLINK_DIR/lib
\$DAL_DIR/lib

LOGNAME = DBZ

RF_DEFAULT_LANG = {language code} – Set to a language code to control language displayed in RF Clients. Usually set to ENG for English.

ORACLE_HOME = {directory} – Set to Oracle installation directory. This is valid only when using Oracle.

ORBDIR = {directory} – Set to the directory where Visibroker CORBA is installed.

OS_REV = {operating system name} – Set to a value to specify the operating system type and version. Please see documentation for correct values. An example is SOL8, which indicates Sun Solaris 8.

OSAGENT_ADDR = {IP address OR hostname} – Set to the listening address for CORBA. Frequently set to 127.0.0.1 or localhost on the application server, except in the case of a host with multiple network cards and addresses.

OSAGENT_PORT = {TCP/IP port} – Set to the listening port for CORBA. Check CORBA configuration for this value.

PATH = \$PATH:{path directories} – Set add path directories. This setting varies from one installation to another. Usually at least \$PKMS is set in the list. \$ORACLE_HOME and \$ORBDIR are also sometimes set, although this is not required for PkMS to run.

PKMS = {directory} – Set to the installation directory where PkMS is installed.

PKMS_CLIENT_DEBUG = {Y} – Set this to “pause” RF clients for running with a source code debugger. Of course this should only be done in a test environment. Do not specify in a production environment.

PKMS_ENV = {environment name} – Set to the name of the environment. For example ACCPT_01 NH2001R10BQA

PKMS_USERTYPE = {FIXED_STATION} – Controls rendering of RF Clients. Set to FIXED_STATION for Terminals or can be left blank for RF Guns.

PKMSCSSRC = {directory} – Set to the directory containing the PkMS Base source code. This variable only needs to be set to compile and build PkMS. It is not necessary to set it when running PkMS.

TERM = {term type} – This is a UNIX environment variable specifying the terminal type. To render correctly on RF Guns or terminals, sometimes this value must be set.

VBROKER_ADM = {directory} – Set to visibroker admin directory \$ORBDIR/adm.

VBROKER_IMPL_PATH = {directory} – Set to \$PKMS/vbroker or \$PKMS/impl_dir depending on the version of PkMS..