

# Test of persistence-client-library (PCL)

1. install \*-test at build/conf/local.conf

```
IMAGE_INSTALL_append += " \
    persistence-client-library-test \
"
```

2. run system services

```
systemctl restart dlt
systemctl start dlt-dbus
systemctl start dlt-example-user
systemctl start pas-daemon
systemctl start node-startup-controller
```

3. prepare data

```
root@qemux86:~# persadmin_tool install /Data/Data.tar.gz
2016/02/26 13:42:35.576384 2703828 000 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: Called with:]
2016/02/26 13:42:35.578843 2703852 001 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: command
= <<install>>]
2016/02/26 13:42:35.580092 2703865 002 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: path
= <</Data/Data.tar.gz>>]
2016/02/26 13:42:35.581077 2703875 003 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: selection type
= <<-1>>]
2016/02/26 13:42:35.582301 2703887 004 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: application
= <<Not Applicable>>]
2016/02/26 13:42:35.583532 2703899 005 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: user_no
= <<-1>>]
2016/02/26 13:42:35.584548 2703910 006 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: seat_no
= <<-1>>]
persAdminResourceConfigAdd:</Data/Data.tar.gz>
persAdminResourceConfigAdd: request result=108 !!!
2016/02/26 13:42:41.510540 2763169 007 ECU1 0037 PAST log info V 2 [[Persadmin_Tool]:
persAdminResourceConfigAdd(/Data/Data.tar.gz) returned <<108>>]
```

4. run test program

```
root@qemux86:~# dbus-run-session -- sh
root@qemux86:~# /opt/tests/persistence-client-library/persistence_client_library_test
data_setupBlacklist => Wrong size written: -1Running suite(s): Persistency_client_library
2016/02/26 16:00:50.350147      2211532 000 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: Called with:]
2016/02/26 16:00:50.352009      2211551 001 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: command
= <<export>>]
2016/02/26 16:00:50.352794      2211559 002 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: path
= <</tmp/myBackup>>]
2016/02/26 16:00:50.353607      2211567 003 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: selection type
= <<0>>]
2016/02/26 16:00:50.354454      2211576 004 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: application
= <<Not Applicable>>]
2016/02/26 16:00:50.355376      2211585 005 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: user_no
= <<-1>>]
2016/02/26 16:00:50.356197      2211593 006 ECU1 0037 PAST log error V 2 [[Persadmin_Tool]: seat_no
= <<-1>>]
persAdminDataFolderExport: 0 </tmp/myBackup>
persAdminDataFolderExport: request result=-1310719 !!!
2016/02/26 16:00:50.411216      2212143 007 ECU1 0037 PAST log info V 2 [[Persadmin_Tool]:
persAdminDataFolderExport(<<0>>, <</tmp/myBackup>>) returned <<-1310719>>]
50%: Checks: 28, Failures: 14, Errors: 0
persistence_client_library_test.c:339:F:SetData:test_SetData:0: Wrong write size
persistence_client_library_test.c:122:F:GetData:test_GetData:0: Assertion 'ret == strlen("CACHE_ +48 10'
38.95, +8 44' 39.06")' failed
persistence_client_library_test.c:239:F:GetDataHandle:test_GetDataHandle:0: Buffer not correctly read =>
1
persistence_client_library_test.c:476:F:SetDataNoPRCT:test_SetDataNoPRCT:0: Wrong write size
persistence_client_library_test.c:519:F:GetDataSize:test_GetDataSize:0: Invalid size
persistence_client_library_test.c:547:F>DeleteData:test_DeleteData:0: Failed to delete key
persistence_client_library_test.c:985:F:DataHandle:test_DataHandle:0: Buffer not correctly read =>
mediaDB_write_01.db
persistence_client_library_test.c:1115:P:DataHandleOpen:test_DataHandleOpen:0: Passed
persistence_client_library_test.c:1219:P:ReadDefault:test_ReadDefault:0: Passed
persistence_client_library_test.c:1249:P:ReadConfDefault:test_ReadConfDefault:0: Passed
persistence_client_library_test.c:1293:F:WriteConfDefault:test_WriteConfDefault:0: Buffer not correctly
read
persistence_client_library_test.c:737:F:DataFile:test_DataFile:0: 1. Failed backup => backup available,
but should not
persistence_client_library_test.c:866:P:DataFileBackupCreation:test_DataFileBackupCreation:0: Passed
persistence_client_library_test.c:938:F:DataFileRecovery:test_DataFileRecovery:0: Could not open file
==> /media/mediaDB_DataRecovery.db
persistence_client_library_test.c:1326:P:GetPath:test_GetPath:0: Passed
persistence_client_library_test.c:1444:P:NegHandle:test_NegHandle:0: Passed
persistence_client_library_test.c:1467:F:UTF-8:test_utf8_string:0: Wrong read size
persistence_client_library_test.c:1477:P:Notifications:test_Notifications:0: Passed
persistence_client_library_test.c:1137:F:Plugin:test_Plugin:0: Assertion 'ret == strlen("Custom plugin -
> plugin_get_data: secure!")' failed
persistence_client_library_test.c:1560:P:VerifyOnly:test_VerifyOnly:0: Passed
persistence_client_library_test.c:795:F:DataFileConfDefault:test_DataFileConfDefault:0: Buffer not
correctly read => mediaData_01.configurable
persistence_client_library_test.c:1667:F:SharedAccess:test_SharedAccess:0: Failed to write shared data
persistence_client_library_test.c:1777:P:VO722:test_VO722:0: Passed
persistence_client_library_test.c:1879:P:FileTest:test_FileTest:0: Passed
persistence_client_library_test.c:1898:P:InvalidPluginfConf:test_InvalidPluginfConf:0: Passed
persistence_client_library_test.c:1392:P:InitDeinit:test_InitDeinit:0: Passed
persistence_client_library_test.c:1892:P:NoRct:test_NoRct:0: Passed
persistence_client_library_test.c:1578:P:PAS_DbusInterface:test_PAS_DbusInterface:0: Passed
Running automated tests
DLT| WARNING:  dlt_user_atexit_handler dlt_user_initialised==0
```