

OpenRTM-aist (C++) - #4176

omniidl shortcut

09/04/2017 02:20 PM - n-miyamoto

Status: <input type="checkbox"/>	Start date: 09/04/2017
Priority: <input type="checkbox"/>	Due date:
Assignee: n-miyamoto	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version:	
Description	
IDL-Wbshortcut LOCAL_CALLS_SHORTCUT POA POA	
<ul style="list-style-type: none">https://sourceforge.net/p/omniorb/svn/HEAD/tree/trunk/omniORB/src/examples/poa/shortcut/shortcut.cc	

Associated revisions

Revision 3037 - 09/04/2017 04:47 PM - miyamoto

[incompat] refs #4176

Revision 3037 - 09/04/2017 04:47 PM - miyamoto

[incompat] refs #4176

Revision 3038 - 09/04/2017 05:08 PM - miyamoto

[incompat] refs #4176

Revision 3038 - 09/04/2017 05:08 PM - miyamoto

[incompat] refs #4176

Revision 3107 - 12/10/2017 03:15 PM - n-ando

merged changed from trunk/OpenRTM-aist r3037-3038, 3042-3048, 3089 during 2017-09:
[incompat,->RELENG_1_2] omniORB's shortcut POA is applied to data ports. refs #4176
[incompat,->RELENG_1_2] omniORB's shortcut POA is applied to data ports. refs #4176
[compat,->RELENG_1_2] Analyzer sample has been added in windows source package. refs #4202
[compat,bugfix,->RELENG_1_2] The header setting of the Visual Studio solution file has been fixed. refs #4201 and #4172
[compat,->RELENG_1_2] vc2017 version has been changed from vc15 to vc141. refs #4172
[compat,->RELENG_1_2] vc2017 version has been changed from vc15 to vc141. refs #4172
[compat,rtc.conf,->RELENG_1_2] A bug in preconnection option parser, which crash when ConnectorProfiles are not given or invalid format, fixed.
[compat,->RELENG_1_2] When executing cmake, it is not influenced by the system environment variable. refs #4171
[compat,example,->RELENG_1_2] Throughput measurement component example added.
[incompat,->RELENG_1_2] Extension module header files have been added to rpm package. refs #4368

Revision 3107 - 12/10/2017 03:15 PM - n-ando

merged changed from trunk/OpenRTM-aist r3037-3038, 3042-3048, 3089 during 2017-09:
[incompat,->RELENG_1_2] omniORB's shortcut POA is applied to data ports. refs #4176
[incompat,->RELENG_1_2] omniORB's shortcut POA is applied to data ports. refs #4176
[compat,->RELENG_1_2] Analyzer sample has been added in windows source package. refs #4202
[compat,bugfix,->RELENG_1_2] The header setting of the Visual Studio solution file has been fixed. refs #4201 and #4172
[compat,->RELENG_1_2] vc2017 version has been changed from vc15 to vc141. refs #4172

[compat,->RELENG_1_2] vc2017 version has been changed from vc15 to vc141. refs #4172
 [compat,rtc.conf,->RELENG_1_2] A bug in preconnection option parser, which crash when ConnectorProfiles are not given or invalid format, fixed.
 [compat,->RELENG_1_2] When executing cmake, it is not influenced by the system environment variable. refs #4171
 [compat,example,->RELENG_1_2] Throughput measurement component example added.
 [incompat,->RELENG_1_2] Extension module header files have been added to rpm package. refs #4368

History

#1 - 09/04/2017 05:58 PM - n-miyamoto

- File vx_test.png added
- File result_direct_vx.txt added
- File result_shortcut_vx.txt added
- File result_cdr_vx.txt added
- File result_cdr_ubuntu.txt added
- File result_direct_ubuntu.txt added
- File result_shortcut_ubuntu.txt added
- Status changed from PENDING to IN PROGRESS
- % Done changed from 0 to 80

- **Changes**

ShortCutPOAManager::theShortCutPOA::getShortCutPOA()

POAManager::initORBPOA()

```
#ifdef ORB_IS_OMNIORB
CORBA::PolicyList pl;
pl.length(1);
#endif
#ifdef RTM_OMNIORB_42
pl[0] = omniPolicy::create_local_shortcut_policy(omniPolicy::LOCAL_CALLS_SHORTCUT);
#else
CORBA::Any v;
v <<= omniPolicy::LOCAL_CALLS_SHORTCUT;
pl[0] = m_pORB->create_policy(omniPolicy::LOCAL_SHORTCUT_POLICY_TYPE, v);
#endif
m_pShortCutPOA = m_pPOA->create_POA("shortcut", m_pPOAManager, pl);
#endif
```

InPortCorbaCdrProvider::OutPortCorbaCdrProvider::shortcutPOA()

```
#ifdef ORB_IS_OMNIORB
::RTC::Manager::instance().theShortCutPOA()->activate_object(this);
#endif
```

CMakeLists.txt::omniid-Wbshortcut

SET(IDLCOMMAND_FLAGS -bcxx -wba -nf -Wbshortcut)

- **Test Results (Ubuntu)**
 Ubuntu 10.04 LTS

Test Case	Time [ms]
corba_cdr(POA)	0.102864
corba_cdr(shortcut)	0.0822503
direct	0.0818192

0.02[ms]100

- (VxWorks)
VxWorks

	[ms]
corba_cdr(POA)	0.12463
corba_cdr(shortcut)	0.099306
direct	0.154659

direct corba_cdr shortcut corba_cdr
vx_test.png

#2 - 12/26/2017 05:22 PM - n-miyamoto

- Status changed from to
- % Done changed from 80 to 100

#3 - 09/13/2018 09:29 AM - n-miyamoto

- Status changed from to

Files

File Name	Size	Date	Owner
vx_test.png	14 KB	09/04/2017	n-miyamoto
result_direct_vx.txt	722 KB	09/04/2017	n-miyamoto
result_shortcut_vx.txt	792 KB	09/04/2017	n-miyamoto
result_cdr_vx.txt	666 KB	09/04/2017	n-miyamoto
result_cdr_ubuntu.txt	806 KB	09/04/2017	n-miyamoto
result_direct_ubuntu.txt	779 KB	09/04/2017	n-miyamoto
result_shortcut_ubuntu.txt	779 KB	09/04/2017	n-miyamoto