

Generic RDKService Patches

Rdkservices Generic Patches for code Upstream			
S.N.O.	Patches	Patch Content	Patch details
1	0001-OCDM-plugin-startup-failure.patch Patch Jira link: https://jira.rdkcentral.com/jira/browse/RDKVREFPLT-1073	<p>From 63e09373eecaee0efae00f23e5ef4589088bd9ec Mon Sep 17 00:00:00 2001 From: natraj_sankarasubbaian <natraj_sankarasubbaian@comcast.com> Date: Tue, 12 Mar 2024 11:46:53 +0000 Subject: [PATCH] AMLS905X4-1488,RTD131X-1131 - OCDM plugin startup failure</p> <p>Reason for change: OCDM plugin is not getting activated on startup by default</p> <p>Test Procedure: Check OCDM plugin is activated at startup of device</p> <p>Risks: High</p> <p>Signed-off-by:natraj_sankarasubbaian@comcast.com</p> <p>--- OpenCDMi/OCDM.conf.in 2 +- 1 file changed, 1 insertion(+), 1 deletion(-)</p> <p>diff --git a/OpenCDMi/OCDM.conf.in b/OpenCDMi/OCDM.conf.in index 2679ceab4..7fd279635 100644 --- a/OpenCDMi/OCDM.conf.in +++ b/OpenCDMi/OCDM.conf.in @@ -1,4 +1,4 @@ -precondition = ["Provisioning"] +precondition = ["Platform"] autostart = "@PLUGIN_OPENCMDI_AUTOSTART@" if boolean ("@PLUGIN_OPENCMDI_PLAYREADY_NEXUS@") or \ -- 2.17.1</p>	<p>Issue is due to precondition of OCDM plugin is not met on wpeframework startup.</p> <p>Failure of precondition result failure to create socket(i.e /tmp/ocdm file) which results exit on playing encrypted contents.</p> <p>there is extra spaces in OCDM.conf.in which is removed by Comcast, which causing this issue</p> <p>Now by removing the extra spaces, it requires for provisioning, which we dont have support on VA devices.</p>
2	0001-RDKCOM-2201-RDKService-plugin-config-configurable.patch Patch Jira link: https://ccp.sys.comcast.net/browse/RDKCOM-2201	<p>From 39431ad4914f787818710376c29da6e6a084a851 Mon Sep 17 00:00:00 2001 From: Arun P Madhavan <arun_madhavan@comcast.com> Date: Tue, 29 Jun 2021 19:28:35 +0000 Subject: [PATCH] RDKCOM-2201: RDKService plugin config configurable</p> <p>Reason for change: Make rdkservices plugin configs configurable from recipe/build options. Added default settings in recipe.</p> <p>Test Procedure: Build complete image and test respective plugins.</p> <p>Risks: Medium</p> <p>Signed-off-by: Arun Madhavan <arun_madhavan@comcast.com></p> <p>--- DisplaySettings/CMakeLists.txt 4 ++++ DisplaySettings/DisplaySettings.config 4 +++- SystemServices/CMakeLists.txt 4 ++++ SystemServices/SystemServices.config 7 +++++ 4 files changed, 15 insertions(+), 4 deletions(-)</p> <p>diff --git a/DisplaySettings/CMakeLists.txt b/DisplaySettings/CMakeLists.txt index eb61307f..53999040 100644 --- a/DisplaySettings/CMakeLists.txt +++ b/DisplaySettings/CMakeLists.txt @@ -23,6 +23,10 @@ set (PLUGIN_DISPLAYSETTINGS_STARTUPORDER "" CACHE STRING "To configure startup or</p> <p>find_package(\${NAMESPACE}Plugins REQUIRED)</p> <p>+# Plugin Configurations +set(PLUGIN_DISPLAYSETTINGS_AUTOSTART false</p>	<p>Make rdkservices plugin configs configurable from recipe/build options. Added default settings in recipe.</p> <p>Community build require few plugins to have autostart true and extra-preconditions to be configurable from build.</p> <p>Scope of autostart: Can be used to activate plugins without UI intervention.</p> <p>Scope of preconditions: Can be used to streamline the plugin startup order based on Thunder precondition events.</p> <p>Few plugins(System and DisplaySettings) need to be made autostart true to reduce the startup delay and aid resident UI for user input handling (Changes related to switching Power mode, Play/Pause controls etc) as well as to initialize device features at startup.</p> <p>If autostart option is enabled; we may require custom precondition ordering as well.</p> <p>Current RDKServices plugins(almost all plugins) does not expose any build-time variables to alter plugin configurations. (Eg: autostart, preconditions etc.).</p> <p>ThunderNanoServices and Common port PremiumApp plugins are exposing build time configuration options (Eg: DeviceIdentification, OCDM, WebKitBrowser, etc) where we could alter those from recipe/build configurations.</p> <p>Aim:</p> <p>Bring-in changes to seleccted rdkservices plugins to expose plugin configuration alterable from build/recipe.</p>

		<pre> CACHE STRING "To automatically start DisplaySettings plugin.") +set (PLUGIN_DISPLAYSETTINGS_PRECONDITIONS_EXTRA "" CACHE STRING "To add extra preconditions.") + add_library(\${MODULE_NAME} SHARED DisplaySettings.cpp Module.cpp) diff --git a/DisplaySettings/DisplaySettings.config b /DisplaySettings/DisplaySettings.config index b5612846..f863e575 100644 --- a/DisplaySettings/DisplaySettings.config +++ b/DisplaySettings/DisplaySettings.config @@ -1,5 +1,7 @@ set (autostart \${PLUGIN_DISPLAYSETTINGS_AUTOSTART}) -set (preconditions Platform) +# Pass PLUGIN_DISPLAYSETTINGS_PRECONDITIONS_EXTRA as SemiColon seperated 'Preconditions' as string. +# Eg: PLUGIN_DISPLAYSETTINGS_PRECONDITIONS_EXTRA ?= "Graphics;Time" +set (preconditions Platform \${PLUGIN_DISPLAYSETTINGS_PRECONDITIONS_EXTRA}) set (callsign "org.rdk.DisplaySettings") if(PLUGIN_DISPLAYSETTINGS_STARTUPORDER) diff --git a/SystemServices/CMakeLists.txt b/SystemServices /CMakeLists.txt index 043e37f0..7e7f6096 100644 --- a/SystemServices/CMakeLists.txt +++ b/SystemServices/CMakeLists.txt @@ -22,6 +22,10 @@ set (PLUGIN_SYSTEMSERVICE_STARTUPORDER "" CACHE STRING "To configure startup orde find_package(\${NAMESPACE}Plugins REQUIRED) +# Plugin Configurations. +set(PLUGIN_SYSTEM_AUTOSTART false CACHE STRING "To automatically start System plugin.") +set(PLUGIN_SYSTEM_PRECONDITIONS_EXTRA "" CACHE STRING "To add extra preconditions.") + if(BUILD_TESTS) add_subdirectory(TestClient) endif() diff --git a/SystemServices/SystemServices.config b /SystemServices/SystemServices.config index 52f450a2..db1cc370 100644 --- a/SystemServices/SystemServices.config +++ b/SystemServices/SystemServices.config @@ -1,7 +1,8 @@ -set (autostart false) -set (preconditions Platform) +set (autostart \${PLUGIN_SYSTEM_AUTOSTART}) +# Pass PLUGIN_SYSTEM_PRECONDITIONS_EXTRA as SemiColon seperated 'Preconditions' as string. +# Eg: PLUGIN_SYSTEM_PRECONDITIONS_EXTRA ?= "Graphics;Time" +set (preconditions Platform \${PLUGIN_SYSTEM_PRECONDITIONS_EXTRA}) set (callsign "org.rdk.System") - if(PLUGIN_SYSTEMSERVICE_STARTUPORDER) set (startuporder \${PLUGIN_SYSTEMSERVICE_STARTUPORDER}) endif() -- 2.37.0 (Apple Git-136) </pre>	
3	<p>warehouse-rdkservices.patch</p> <p>Patch CL link: https://code.rdkcentral.com/r/c/components/generic/rdk-oe/meta-cmf-video/+/69934</p>	<pre> Index: git/Warehouse/Warehouse.cpp ===== --- git.orig/Warehouse/Warehouse.cpp +++ git/Warehouse/Warehouse.cpp @@ -21,7 +21,7 @@ #include <algorithm> #include <fstream> - +#include "secure_wrapper.h" #include <regex.h> #if defined(USE_IARMBUS) defined(USE_IARM_BUS) </pre>	Changes are pushed by Simon Chung (2022-04-12)

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@@ -66,7 +66,7 @@
#define VERSION_FILE_NAME "/version.txt"
#define CUSTOM_DATA_FILE "/lib/rdk/wh_api_5.conf"

-#define LIGHT_RESET_SCRIPT "rm -rf /opt/netflix/*
SD_CARD_MOUNT_PATH/netflix/* XDG_DATA_HOME/*
XDG_CACHE_HOME/* XDG_CACHE_HOME/./
sparkStorage/ /opt/QT/home/data/* /opt/hn_service_settings.
conf /opt/apps/common/proxies.conf /opt/lib/bluetooth /opt
/persistent/rdk servicestore"
+#define LIGHT_RESET_SCRIPT "/opt/netflix/*
SD_CARD_MOUNT_PATH/netflix/* XDG_DATA_HOME/*
XDG_CACHE_HOME/* XDG_CACHE_HOME/./
sparkStorage/ /opt/QT/home/data/* /opt/hn_service_settings.
conf /opt/apps/common/proxies.conf /opt/lib/bluetooth /opt
/persistent/rdk servicestore"
#define INTERNAL_RESET_SCRIPT "rm -rf /opt/drm /opt
/www/whitebox /opt/www/authService && /rebootNow.sh -s
WarehouseService &"

#define FRONT_PANEL_NONE -1
@@ -256,33 +256,6 @@ namespace WPEFramework
    }
}

- static bool RunScriptIARM(const std::string& script, std::
string& error)
- {
-     IARM_Bus_SYSMgr_RunScript_t runScriptParam;
-     runScriptParam.return_value = -1;
-     size_t len = sizeof(runScriptParam.script_path)/sizeof
(char);
-     if(script.length() > (len - 1))
-     {
-         std::stringstream errorss;
-         errorss << "Length of script greater than allowed
limit of " << len << " ";
-         error = errorss.str();
-
-         LOGWARN("%s", error.c_str());
-         return false;
-     }
-
-     strcpy(runScriptParam.script_path, script.c_str());
-     IARM_Bus_Call(IARM_BUS_SYSMGR_NAME,
IARM_BUS_SYSMGR_API_RunScript, &runScriptParam,
sizeof(runScriptParam));
-     bool ok = runScriptParam.return_value == 0;
-
-     std::stringstream message;
-     message << "script returned: " << runScriptParam.
return_value;
-
-     LOGINFO("%s", message.str().c_str());
-     if (!ok)
-         error = message.str();
-     return ok;
- }
#endif

void Warehouse::resetDevice(bool suppressReboot,
const string& resetType)
@@ -500,7 +473,8 @@ namespace WPEFramework
{
    #if defined(USE_IARMBUS) || defined(USE_IARM_BUS)
        std::string error;
        bool ok = RunScriptIARM
(INTERNAL_RESET_SCRIPT, error);
+         int return_value = v_secure_system("rm -rf /opt
/drm /opt/www/whitebox /opt/www/authService && /rebootNow.
sh -s WarehouseService &");
+         bool ok = return_value == 0;
+         response[PARAM_SUCCESS] = ok;
+         if (!ok)
+             response[PARAM_ERROR] = error;
@@ -576,7 +550,8 @@ namespace WPEFramework
        LOGWARN("lightReset: %s", script.c_str());

        std::string error;
        bool ok = RunScriptIARM(script, error);
+         int return_value = v_secure_system("rm -rf %s",
script.c_str());
+         bool ok = return_value == 0;

        remove("/opt/secure/persistent/rdk servicestore");

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4	rdkshell-changes-crash.patch Patch Jira link: https://jira.rdkcentral.com/jira/browse/AMLS905X4-1378	diff --git a/RDKShell/RDKShell.h b/RDKShell/RDKShell.h index 0d2bd2c5..ced76e4 100755 --- a/RDKShell/RDKShell.h +++ b/RDKShell/RDKShell.h @@ -428,7 +428,7 @@ namespace WPEFramework { INTERFACE_ENTRY(Exchange::ICapture) END_INTERFACE_MAP - virtual void AddRef() const {} + virtual uint32_t AddRef() const {return Core::ERROR_NONE;} virtual uint32_t Release() const { return 0; } virtual const TCHAR* Name() const override { return "ScreenCapture"; } }	There is a crash occurred in Wpeframework while executing RVS test For this received some fix from Comcast recipes-extended/wpe-framework/wpeframework/PR_1510_change.patch recipes-extended/wpe-framework/wpeframework/PR_1514_changes.patch https://code.rdkcentral.com/r/c/components/generic/rdk-oe/meta-cmf-video/+98652
5	0003-Update-WebKitBrowser-useragent-deails-in-system-plugin-platformcapsdata-file.patch Patch Jira link: https://jira.rdkcentral.com/jira/browse/RTD131X-719	diff --git a/SystemServices/platformcaps/platformcapsdata.cpp b/SystemServices/platformcaps/platformcapsdata.cpp index d43e9eec..94509108 100644 --- a/SystemServices/platformcaps/platformcapsdata.cpp +++ b/SystemServices/platformcaps/platformcapsdata.cpp @@ -238,8 +238,8 @@ PlatformCapsData::BrowserInfo PlatformCapsData::GetBrowser() const { if (type == "rdkbrowser") { result = {"WPE", "1.0.0.0", - "Mozilla/5.0 (Linux; x86_64 GNU/Linux) AppleWebKit/601.1 - "(KHTML, like Gecko) Version/8.0 Safari/601.1 WPE"); + "Mozilla/5.0 (X11; Linux aarch64) AppleWebKit/605.1.15 + "(KHTML, like Gecko) Version/16.0 Safari/605.1.15 WPE/1.0"); } else if (type == "cef") { result = {"CEF", "1.0.0.0", "Mozilla/5.0 (Unknown; Linux i686) AppleWebKit/537.21 @@ -250,8 +250,8 @@ PlatformCapsData::BrowserInfo PlatformCapsData::GetBrowser() const { "(KHTML, like Gecko) NativeXRReceiver"); } else { result = {"WPE", "1.0.0.0", - "Mozilla/5.0 (Linux; x86_64 GNU/Linux) AppleWebKit/601.1 - "(KHTML, like Gecko) Version/8.0 Safari/601.1 WPE"); + "Mozilla/5.0 (X11; Linux aarch64) AppleWebKit/605.1.15 + "(KHTML, like Gecko) Version/16.0 Safari/605.1.15 WPE/1.0"); } return result; }	root@mediaclient-mediabox:~# curl --header "Content-Type: application/json" --request POST --data '{"jsonrpc": "2.0", "id": 42, "method": "WebKitBrowser.1.userAgent"}' http://127.0.0.1:9998/jsonrpc { "jsonrpc": "2.0", "id": 42, "result": "Mozilla/5.0 (X11; Linux armv7l) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.0 Safari/605.1.15 WPE/1.0" } root@mediaclient-mediabox:~# curl --header "Content-Type: application/json" --request POST --data '{"jsonrpc": "2.0", "id": 23, "method": "org.rdk.System.2.getPlatformConfiguration", "params": {"query": "DeviceInfo.webBrowser"}}' http://127.0.0.1:9998/jsonrpc { "jsonrpc": "2.0", "id": 23, "result": {"DeviceInfo": {"webBrowser": {"browserType": "WPE", "version": "1.0.0.0", "userAgent": "Mozilla/5.0 (Linux; x86_64 GNU/Linux) AppleWebKit/601.1 (KHTML, like Gecko) Version/8.0 Safari/601.1 WPE"}}, "success": true} } here getPlatformConfiguration api is not returning the correct response of userAgent tis is fetch from, PlatformCapsData::GetBrowser() (SystemServices/platformcaps/platformcapsdata.cpp) so added as a patch to removed the old userAgent and added the latest one
	SRC_URI += " \${@bb.utils.contains('DISTRO_FEATURES', 'riot', ' file://0005-Introduce-RioTControl-plugin-To-Community.patch',, d)}"		
	SRC_URI += " \${@bb.utils.contains('DISTRO_FEATURES', 'tinyrdk', ' file://0002-Listen-to-keyevents.patch',, d)}"		

6	<p>0002-Listen-to-keyevents.patch</p> <p>Patch CL link: https://code.rdkcentral.com/r/c/components/generic/rdk-oe/meta-cmf-video/+79615 https://jira.rdkcentral.com/jira/browse/TINYRDKV-166</p>	<p>From 3a6e2e8d1033788ef8c5263ce52f842756545a15 Mon Sep 17 00:00:00 2001 From: josekutty_kuriakose <josekutty_kuriakose@cable.comcast.com> Date: Thu, 21 Apr 2022 02:31:34 +0000 Subject: [PATCH] Changes for keyevents</p> <pre> --- RDKShell/RDKShell.cpp 10 ++++++++ RDKShell/RDKShell.h 2 ++ 2 files changed, 12 insertions(+) diff --git a/RDKShell/RDKShell.cpp b/RDKShell/RDKShell.cpp index 0b387304d..29d80253e 100755 --- a/RDKShell/RDKShell.cpp +++ b/RDKShell/RDKShell.cpp @@ -139,6 +139,7 @@ @@ const string WPEFramework::Plugin:: RDKShell::RDKSHELL_EVENT_DEVICE_CRITICALLY_LO const string WPEFramework::Plugin::RDKShell:: RDKSHELL_EVENT_ON_EASTER_EGG = "onEasterEgg"; const string WPEFramework::Plugin::RDKShell:: RDKSHELL_EVENT_ON_WILL_DESTROY = "onWillDestroy"; const string WPEFramework::Plugin::RDKShell:: RDKSHELL_EVENT_ON_SCREENSHOT_COMPLETE = "onScreenshotComplete"; +const string WPEFramework::Plugin::RDKShell:: RDKSHELL_EVENT_ON_KEYEVENT = "onKeyEvent"; using namespace std; using namespace RdkShell; @@ -1601,6 +1602,15 @@ @@ namespace WPEFramework { params["client"] = client; mShell.notify (RDKSHELL_EVENT_SIZE_CHANGE_COMPLETE, params); } + void RDKShell::RdkShellListener::onKeyEvent(const uint32_t keyCode, const uint32_t flags, const bool keyDown) + { + std::cout << "RDKShell onKeyEvent event received ..." << keyCode << std::endl; + JsonObject params; + params["keyCode"] = keyCode; + params["flags"] = flags; + params["keyDown"] = keyDown; + mShell.notify(RDKSHELL_EVENT_ON_KEYEVENT, params); + } // Registered methods (wrappers) begin uint32_t RDKShell::moveToFrontWrapper(const JsonObject& parameters, JsonObject& response) diff --git a/RDKShell/RDKShell.h b/RDKShell/RDKShell.h index fcbf7532c..8b2980c36 100755 --- a/RDKShell/RDKShell.h +++ b/RDKShell/RDKShell.h @@ -148,6 +148,7 @@ @@ namespace WPEFramework { static const string RDKSHELL_EVENT_ON_EASTER_EGG; static const string RDKSHELL_EVENT_ON_WILL_DESTROY; static const string RDKSHELL_EVENT_ON_SCREENSHOT_COMPLETE; + static const string RDKSHELL_EVENT_ON_KEYEVENT; void notify(const std::string& event, const JsonObject& parameters); void pluginEventHandler(const JsonObject& parameters); @@ -332,6 +333,7 @@ @@ namespace WPEFramework { virtual void onEasterEgg(const std::string& name, const std::string& actionJson); virtual void onPowerKey(); virtual void onSizeChangeComplete(const std:: string& client); + virtual void onKeyEvent(const uint32_t keyCode, const uint32_t flags, const bool keyDown); private: RDKShell& mShell; </pre>	<p>TINYRDKV-166: Key listener patches</p> <p>Reason for change: This one taps the key events from RDKShell and pushes it to monitor application. Test Procedure: Enable distro feature for tinyrdk Risks: This will be disabled by default.</p>

7	<p>0005-Introduce-RIoTControl-plugin-To-Community.patch</p> <p>Patch CL link: https://code.rdkcentral.com/r/c/components/generic/rdk-oe/meta-cmf-video/+89475 https://jira.rdkcentral.com/jira/browse/RDKVVA-43</p>	<pre> Index: git/cmake/FindAvahi.cmake ===== --- /dev/null +++ git/cmake/FindAvahi.cmake @@ -0,0 +1,6 @@ +find_package(PkgConfig) + +find_library(AVAHI_CLIENT_LIBRARIES NAMES avahi- client) +find_library(AVAHI_COMMON_LIBRARIES NAMES avahi- common) +mark_as_advanced(AVAHI_CLIENT_LIBRARIES) +mark_as_advanced(AVAHI_COMMON_LIBRARIES) Index: git/CMakeLists.txt ===== --- git.orig/CMakeLists.txt +++ git/CMakeLists.txt @@ -31,6 +31,7 @@ if(COMCAST_CONFIG) endif() option(PLUGIN_OCICONTAINER "Include OCIContainer plugin" OFF) +option(PLUGIN_RIOTCONTROL "Include IOTControl plugin" OFF) if(RDK_SERVICES_TEST) include(tests.cmake) @@ -367,6 +368,10 @@ if(PLUGIN_AIRPLAYSERVICE) add_subdirectory(AirplayService) endif() +if (PLUGIN_RIOTCONTROL) + add_subdirectory(RIoTControl) +endif() + +if(WPEFRAMEWORK_CREATE_IPKG_TARGETS) + set(CPACK_GENERATOR "DEB") + set(CPACK_DEB_COMPONENT_INSTALL ON) Index: git/RIoTControl/AvahiClient.cpp ===== --- /dev/null +++ git/RIoTControl/AvahiClient.cpp @@ -0,0 +1,242 @@ +/** + * If not stated otherwise in this file or this component's + LICENSE + * file the following copyright and licenses apply: + * + * Copyright 2023 RDK Management </pre>	<p>RIoT rdkservices plugin. This can be used to query the devices from rdkb gateway, retrieve device characteristics and execute commands on the IoT device.</p>
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