

Sys Manager

Sys Manager is a IARM Manager application which maintains the state of different subsystem/components of RDK such as HDMI, Network, RF, Date & Time, Tuner, CA, Mfr information etc.

- It collects the State change and error codes through a common event handler.
- It publishes RPC methods for getting the system state data.

Events

IARM_BUS_SYSMGR_EVENT_SYSTEMSTATE

- IARM_Bus_SYSMgr_EventData_t *sysEventData; // The event data contains stateld, state and error.

```
HDCPeventData.data.systemStates.stateId = IARM_BUS_SYSMGR_SYSSSTATE_HDCP_ENABLED;
HDCPeventData.data.systemStates.state = 1;
IARM_Bus_BroadcastEvent( IARM_BUS_SYSMGR_NAME,
                        (IARM_EventId_t) IARM_BUS_SYSMGR_EVENT_SYSTEMSTATE,
                        (void *)&HDCPeventData, sizeof(HDCPeventData));
```

IARM_BUS_SYSMGR_EVENT_HDCP_PROFILE_UPDATE

- Event to notify HDCP Profile change

```
IARM_Bus_SYSMgr_EventData_t eventData;
eventData.data.hdcpprofileData.hdcpprofile = param->Hdcpprofile;
IARM_Bus_BroadcastEvent( IARM_BUS_SYSMGR_NAME,
                        (IARM_EventId_t) IARM_BUS_SYSMGR_EVENT_HDCP_PROFILE_UPDATE,
                        (void *)&eventData, sizeof(eventData));
```

RPC Methods

IARM_BUS_SYSMGR_API_GetSystemStates

- This returns the System State data structure.

```
IARM_Bus_RegisterCall(IARM_BUS_SYSMGR_API_GetSystemStates, _GetSystemStates);
```

IARM_BUS_SYSMGR_API_SetHDCPProfile

- This Method is called to set the new HDCP Profile.

```
IARM_Bus_RegisterCall(IARM_BUS_SYSMGR_API_SetHDCPProfile, _SetHDCPProfile);
```

IARM_BUS_SYSMGR_API_GetHDCPProfile

- This Method is called to get the current HDCP Profile.

```
IARM_Bus_RegisterCall(IARM_BUS_SYSMGR_API_GetHDCPProfile, _GetHDCPProfile);
```

IARM_BUS_SYSMGR_API_RunScript

- This Method is called to run a script through Sys Manager.

```
IARM_Bus_RegisterCall(IARM_BUS_SYSMGR_API_RunScript, _RunScript);
```