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OSV CSTA-SDK v1.5.9

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Overview

The OpenScape Voice Server CSTA-SDK provides a set of API's to help simplify

the development of Java based desktop applications which want to control the

OpenScape Voice Server Call Control capabilities through the use of CSTA.

It provides simpler API's to connect and manage the CSTA Features, hiding

some of the complexity of the CSTA Object model.

The OSV Server CSTA-SDK connects directly to the OpenScape Voice server via

raw TCP connection. HTTP/SOAP connection support is added since V1.2.0.

TLS connection support is added since V1.3.0.

Release Notes

v1.5.9
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 What's New?

TOOLS-1413: FRN10724 code delivery

Interface Changes

The following interface is updated to reflect the changes introduced

SnapshotDevice

The SnapshotDevice private data can now contain the "aliRebidReq

v1.5.8

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 What's New?

TOOLS-1398: Parsing of StartApplicationSessionPosResponse is updated

v1.5.7

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 What's New?

TOOLS-1049: FRN10395: CSTA SDK - Multiline keyset support for CSTA.

v1.5.6

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 What's New?

TOOLS-562: FRN9813 - Support OSMO OND for CSTA Consultation and comp

Bug Fixes

TOOLS-558: Exception in SnapshotCall.

Interface Changes

The following interface is updated to reflect the changes introduced

     GetConfigurationDataResponse

     The supportedOSMOFeatureList can now contain the "consultationCa

v1.5.5

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 Bug Fixes

TOOLS-503: CSTA-SDK backwards compatibility issue with "privateData"

v1.5.4

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 What's New?

TOOLS-394: Support DeviceCapsChangedEvent in CSTA-SDK.

 Bug Fixes

TOOLS-392: MonitorStop Event is not received properly.

v1.5.3

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Bug Fixes

TOOLS-287: Added missing getter for "newDestination" from DivertedEv

v1.5.2

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What's New?

TOOLS-266: FRN9965 - CSTA SDK Support for FRN9962 CSTA monitoring an

Interface Changes

 The following new interfaces are introduced to the CstaConnection c

    AssociateData

    AssociateData(String altDestination)

    AssociateData(CstaDeviceIdentifier deviceInfo, String altDestin

The new AssociateData interfaces are only used in the FRN9965 s

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What's New?

CQ00332579: FRN9896 - CSTA SDK Support for FRN9855 Busy on busy for

Bug Fixes

CQ00332748: Fixed exception in thread "EventsDispatcher".

Interface Changes

The following new interface is introduced to the CstaConnection clas

ClearConnection

ClearConnection(CstaReason reason)

This in a new ClearConnection interface that is used to when a call
In this case, the new calling device must be cleared using this inte

v1.5.0

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What's New?

CQ00332244: FRN8616 - CSTA SDK enhanced to support FRN8556 Do Not Di

CQ00332245: FRN8613 - CSTA SDK enhanced to support FRN8181 Call Log

Interface Changes

The following new interfaces are introduced to the CstaProvider clas

    CstaGetConfigurationData

    CstaGetConfigurationDataResponse CstaGetConfigurationData(String

    Support for the GetConfigurationData in order to get the appropr

    and OSMO device. Also, the new "snoozeDND" is supported as part

    in the GetConfigurationData Response.

The following new interfaces are introduced to the CstaLogicalDevice

    SetDoNotDisturb

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boolean SetDoNotDisturb(boolean doNotDisturbOn, int DNDResume)

This is a new SetDoNotDisturb interface in order to enable the D

remain active for the period in minutes specified (DNDResume).

GetDoNotDisturbData

CstaDoNotDisturbData GetDoNotDisturbData()

Get the current status of the Do Not Disturb feature for the dev

and the time in minutes remaining till the DND is deactivated wh

The following new interfaces are introduced to the CstaDevice class

CallLogSnapshot

CstaCallLogResponseWithErrorCode CallLogSnapshot()

Given a specified CSTA monitored device, a Call Log Snapshot is

with the arrival of a Call Log Snapshot Response. Every modifica

receiving a Call Log Event message with the updated Call Log.

In case of an error during the processing of Call Log Snapshot,

CallLogDelete

CstaCallLogResponseWithErrorCode CallLogDelete(CstaCallLogDelete

Given a specified CSTA monitored device and a list of call recor
The request success is validated with the arrival of a Call Log
updated Call Log is received as a result.

In case of an error during the processing of Call Log Delete, a

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What's New?

CQ00288521: Support for GetSwitchingFunctionDevices and GetLogicalDe
CQ00283448: Support Application Session.
CQ00285193: Support for event filtering in Monitor Start Requests.
CQ00286729: Support for event filtering in Monitor Start Responses.
CQ00283593: Allow multiple CSTA links through the CstaSystem class.
CQ00285201: Faster method to detect link failure/closed sockets thro

Bug Fixes

CQ00283347: Fix invokeID overflow when invokeID reaches 9998 (max va

CQ00285928: Changes to stabilize the read and send message functions

CQ00286047: Prevent out of memory and overload conditions in volume

Interface Changes

The following new interfaces are introduced to the CstaProvider clas

CstaGetSwitchingFunctionDevices

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boolean CstaGetSwitchingFunctionDevices(CstaDeviceCategory categ

boolean CstaGetSwitchingFunctionDevices(CstaDeviceID deviceId, C

If only the category is specified, then a list of all devices of

a (potentially multiple) CstaSwitchingFuctionDevices event(s).

If a deviceId is specified, and that deviceId is an MLHG Pilot,

pilot are returned in a (potentially multiple) CstaSwitchingFuct

If a deviceId is specified, and that deviceId is an MLHG agent,

agent belongs to are returned in a (potentially multiple) CstaSw

CstaGetLogicalDeviceInformation

CstaGetLogicalDeviceInformationResponse CstaGetLogicalDeviceInfo
CstaGetLogicalDeviceInformationResponse CstaGetLogicalDeviceInfo

Note: The information returned is defined in the CSTA interface
then the appearanceList data contains appearances for each relat
then the associatedGroupList contains deviceIds for each member

Monitor Event Filtering

CstaMonitor MonitorStart(CstaDevice device, boolean silmTag, boo

The full interface for MonitorStart is extended to allow a CstaF
can be created and populated with the events that you do NOT wis
monitored under this monitor point.

Application Session

The following interfaces are provided for Application Session su

    CstaApplicationSession StartApplicationSession(int sessionDurati

    CstaApplicationSession StartApplicationSession(String applicatio

    CstaApplicationSession StartApplicationSession(String applicatio

    CstaApplicationSession getApplicationSession()

    int ResetApplicationSessionTimer(int requestedSessionDuration)

    int ResetApplicationSessionTimer(int requestedSessionDuration, i

    void StopApplicationSession(String definedEndReason, String appE

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What's New?

CQ00275056: Enhancement to support appCallbackID and appCallbackName

        in the privateData for Make Call requests

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What's New?

CQ00242438: FRN4844 - SIP URI support

CQ00240730: Support AssociatedCallingDevice and AssociatedCalledDevi

v1.3.0

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What's New?

CQ00233503: CSTA-SDK: Support TLS connection for FRN4181

Bug Fixes

CQ00221692: Null pointer when handling a basic Held/Retrieved event

CQ00222319:   XML Parse error for element "restricted" and "acdCal

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What's New?

CQ00214198: CSTA-SDK: Support HTTP/SOAP connection

CQ00157701: Support Message Waiting Indicator Physical Device servic

CQ00170233: Add suport for FRN4464 Support for Xpressions SAP phone

        ASC active voice recording (Heidelberger Cement)

CQ00157718: Support Routing Service for Telefonica Step 2

CQ00157473: Support CompoundCallState in SnapshotDevice response

CQ00159062: CSTA-SDK: Support of services permitted

CQ00159066: CSTA-SDK: Provide local CstaConnection object in the Cst

    CQ00200594:   FRN4208 CSTA-SDK support for Continuous Silent M

                     without Verint, ASC, and OpenScape Contact Cente

    CQ00193909:   FRN4242 CSTA-SDK support for CSTA Application ex

                     via CSTA Network Interface Device (NID) service

    CQ00213840:   FRN5670: Rebrand OSV - CSTA-SDK.

Bug Fixes

CQ00158981: autoOriginate option in CSTA MakeCall and JoinCall reque

       should be a enum type instead of String

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What's New?

CQ00145625: Updated Javadoc to include a brief description for

       CstaException including all the CSTA Requests.

CQ00146946: Improved DeviceID / DeviceIdentifier String parsing.

CQ00146986: Improved ForwardingEvent to support optional tags such a

        "forwardTo", "ringCount", and "ringDuration".

CQ00147181: Allow multiple MonitorStarts after a failed attempt.

CQ00157462: Added Application interface access to object "cstaEventO

        and "CstaEventType". Allowing easy access to the type of

        the currentObject and the ability to caste the object.

        Example:

        if(cstaEventObject.evtType == CstaEventType.DELIVERED)

        {

            CstaDeliveredEvent deliveredXml = (CstaDeliveredEvent) c

            CstaDeviceIdentifier deviceIdentifier = new CstaDeviceId

        }

CQ00157464: Allows Application to be notified if there is a network

        failure to the heart beat. Next heart beat will fail

        and a CstaEvent with type="CstaException" and

        indicator="HeartbeatFailure" will be sent to the EventListen

CQ00157469 Added ArrayList<CstaConnection> to the CstaCall object,

        which returns a snapshot object.

        Note:

        Application can only use this snapshot CstaCall object

to check CallIDs, and is not able to send a request

such as connection.HoldCall().

CQ00157704: Added Custom XML support for CSTA SDK Browser

CQ00157741: Allows incoming MonitorStop requests to remove SDK monit

objects, related connections, and to notify the application.

CQ00158008: Added Application interface enabling the application to

specify an external inbound name in the AcceptCall.

Example:

CstaConnection.AcceptCallWithNameProvider(string)

CQ00158976: Extra handling for "restricted" tag as one of the CstaDe

elements. Thereby setting the device's FQDN to "restricted"

if it is "restricted" in message.

Bug Fixes

CQ00147199: Fixed NullPointerException issues when calling method

CstaProvider.registerEventListener().

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Implemented basic functionality to the CSTA-SDK.