

Oracle Communications

ASAP Cartridge Feature Specification for the CISCO DNCS AsyncRPC

Vendor: Cisco

Technology: DNCSRPC

Software Load / Interface Version: '1.0'

Protocol: Asynchronous Remote Procedure Call (RPC) Protocol

Activation Version: ASAP7.01

Rollback Supported: No

Complexity: High

NE Interface Specifications:

The cartridge uses Open Network Computing (ONC) Asynchronous Remote Procedure Call (RPC) protocol.

NE Description:

The DNCS Administrative Console provides a Graphical User Interface (GUI) allowing a DNCS operator to provision, control, and monitor DNCS components and other components of the Scientific-Atlanta Digital Broadband Delivery System (DBDS). These components may include digital headend equipment, PowerKEY™ equipment, and digital home communications terminals (DHCTs). Additionally, the Administrative Console allows for the configuration of communications paths to external equipment.

Host Element Definition:

- Supports multiple connections to the network element
- Configurable login credentials (Host IP Address and Port)
- Configurable connection timeout
- Configurable read timeout (on responses from the NE)

Supported Services

Service	Description
ModifyDhctAdminStatus	This transaction is used to modify the Administrative Status of one or more DHCTs.
DeregisterDhct	This transaction is used to remove a DHCT from the DNCS database.

ModifyDhctConfiguration	This transaction is used to modify the conditional access status and authorizations of one or more DHCTs. It is used to control a DHCT's ability to access digital broadcast services, request interactive sessions, purchase IPPV events and so on
ModifyDhctState	This transaction is used to modify the conditional access status of one or more DHCTs.
DhctInstantHit	This transaction is used to refresh the authorizations for a DHCT.
BootDhct	This transaction is used to direct a DHCT to perform a network boot.
RegisterHost	This device is used to pair a Host device with a CA Module.
DeregisterHost	This transaction is used to disconnect a CA Module from its associated Host device.
Get IppvPoll	This transaction is used to retrieve a single DHCT's IPPV purchases.
QueryDhct	This transaction obtains the current status of a DHCT's Enable DMS flag and IPPV purchase count, as well as the list of authorized packages.
SetPin	This transaction is used to define new values for the channel blocking PIN or IPPV purchase PIN for a specific DHCT.
AddRppvAuthorization	This transaction is used to authorize a reservation (ordered by the subscriber via ANI, an ARU, or some other ordering mechanism) PPV event on a specific DHCT.
RemoveRppvAuthorization	This transaction is used to remove an authorization for a reservation PPV event on a specific DHCT
ResetClientNvm	This transaction is used to command application clients resident on the indicated DHCTs to reset any allocated non-volatile memory to its factory default values
DefinePppvEvent	This transaction is used to define PPV events to the PPV application server. It can also be used to modify the definition of existing PPV events.
RetirePppvEvent	This transaction is used to retire previously defined PPV events.

Cartridge Deliverables

Software:

- Atomic Actions (for testing purposes)
- Service Actions (for testing purposes)
- Action Processors
- Connection Handlers
- Installation script
- Sample Network Element Configuration
- Sample Work Orders

Documentation:

- Cartridge Guide: Containing descriptions of the following items:
 - Atomic Actions
 - Service Actions
 - Installation Procedures
 - Sample Network Element Configuration
- Cartridge Release Record: Indicating the software used during the certification process of the product.

Customer Acceptance of this Cartridge Feature Specification

<p>Customer representative authorised to accept:</p> <p>Signature:</p> <p>Date:</p>
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