Oracle Communications

ASAP Cartridge for Nortel CS2K SIP

The ASAP Cartridge for the *Nortel CS2K* is an optional software component that enables ASAP to activate services on the Nortel CS2K network element. This specification document is intended to outline enhancements to the CS2K cartridge to support Session Initiation Protocol (SIP) related services on the ISNO9 software load. The SIP services outlined in this document work in conjunction with the services already supported in the existing CS2K cartridge (via standard SERVORD+ activation commands). SIP related network commissioning is considered outside the scope of this cartridge.

Supported Services

Subscriber Services

The *ASAP Cartridge for the Nortel CS2K* supports the following actions related to SIP services:

Service	Actions & Description

Create Subscriber	Add new subscriber with SIP attributes:
	
	• DPL feature
	
	• SIP Data
	
	    o SIP Package
	    o SIP URI
	    o SIP Client Type
	    o SIP Password
	    o SIP Location
	    o SIP Sub Domain
	
	* adding a new subscriber is supported through the existing SERVORD+ command (NEW)

Delete Subscriber	Delete an existing SIP subscriber * deleting a subscriber is supported through the existing SERVORD+ command (OUT)

Modify Subscriber SIP information	Modify an existing subscriber's SIP attributes: o SIP Package o SIP URI o SIP Client Type o SIP Password o SIP Location o SIP Sub Domain * modifying a subscriber's SIP attributes is supported through the existing SERVORD+ command (CHF). The CS2K does not permit the DPL feature to be changed using CHF.
Query Subscriber SIP Information	Queries an existing subscriber's details including SIP Attributes: o SIP Package o SIP URI o SIP Client Type o SIP Location o SIP Sub Domain
Activate Subscriber features	Activate subscriber features for a SIP subscriber (using standard feature activation commands in the existing Residential cartridge – some modifications may be required to the existing feature commands in order to support SIP): • Add subscriber features • Delete existing subscriber features • Modify existing subscriber features • Query an existing subscriber's features details. Note: some standard features are not compatible with SIP as noted in the CS2k documentation. Currently, the supported features are 3WC, ACB, ACRJ, AUL, CCW, CFBL, CFDA, CLF, CLI, CND, CNDB, CWT, CWI, DGT, DNH, SCF, SCRJ, SCS, SUPPRESS, WML, WUC, WUCR.
Support for rollback	The cartridge should allow for rollback to occur, most notably for rolling back the deletion or modification of a subscriber.

Cartridge Contents

The *ASAP Cartridge for Nortel CS2K includes*:

- Common Service Description Layer Commands (CSDLs)

- Atomic Service Description Layer Commands (ASDLs)

- Java methods

- Installation scripts

- Sample work orders

- Cartridge manual

This cartridge can be extended by any of the following:

- Customers

- Systems Integrators

- Oracle Communications Services

The *ASAP Cartridge Development Kit (CDK) for Service Activation* provides guidelines for extending a cartridge.

Technical Specifications

Hardware & Software Requirements

- The *ASAP Cartridge for the Nortel CS2K is* designed to operate with the following hardware and software:

- **Nortel CS2K system running software load ISNO9**

Network Element Interface

The ASAP cartridge interfaces with the Nortel CS2K system using Telnet connection over TCP/IP.