

Oracle Communications

ASAP Cartridge for Nortel CS2K Residential

The *ASAP Cartridge for Nortel CS 2000* is an optional software component that enables ASAP to activate residential line services on the Nortel CS 2000.

Supported Services

Residential Line Services

The *ASAP Cartridge for Nortel CS 2000* supports the following actions related to residential line services:

Service	Actions & Description
Residential Line with features	<ul style="list-style-type: none"> • Establishes residential line service for single line and multi-line telephone sets that are not assigned. • Removes residential line service from single line and multi-line telephone set Directory Numbers (DNs) and Line Equipment Numbers (LENs) except member of the following types of groups <ul style="list-style-type: none"> ◆ Directory Number Hunt (DNH) ◆ Distribute Line Hunt (DLH) ◆ Multiline Hunt (MLH) ◆ Bridged Night Number (BNN)
Residential Features	<ul style="list-style-type: none"> • Adds the features specified on a work order to a particular DN: <ul style="list-style-type: none"> ◆ Options to assigned single-line & multi-line sets ◆ Options to hunt group lines by LEN ◆ Proprietary business set & data unit options to business keys • Deletes the available features from single line and multi-line telephone sets and hunt group lines. • Modifies the features that are available on a residential line. It enables you to delete unwanted features, and then add requested features to the telephone line. • Modifies the information associated with existing features on a residential line that require more information.

Change Service	<ul style="list-style-type: none"> • Change the directory number of the line • Change the line class code of the line • Change the LTG of the line • Change the NCOS of the line • Change the intercept name of the line • Change the LEN of the line
Residential Plug Up-Place on Trouble Intercept (PLP) feature	<ul style="list-style-type: none"> • Adds the PLP feature to a residential line, allowing users to block DNs on single line telephone sets. Users can originate, but not receive telephone calls.
Residential Suspend Service (SUS) feature	<ul style="list-style-type: none"> • Suspends residential line service to DNs on single line and multi-line telephone sets.
Residential Restore Service from Suspension (RES) feature	<ul style="list-style-type: none"> • Restores service to busy or suspended single line and multi-line telephone set DNs.
Hunt group	<ul style="list-style-type: none"> • Creates the following types of groups: <ul style="list-style-type: none"> ◆ Directory Number Hunt (DNH) ◆ Distributed Line Hunt (DLH) ◆ Multi-Line Hunt (MLH) ◆ Bridged Night Number (BNN) ◆ Simultaneous Ringing (SimRing)
Member to Hunt Group	<ul style="list-style-type: none"> • Adds the following types of members to existing groups: <ul style="list-style-type: none"> ◆ Unassigned single line and multi-line telephone set DNs to directory number hunt (DNH) and bridged night number (BNN) groups ◆ Unassigned single line LENS & multi-line telephone set keys to distributed line hunt (DLH) & multi-line hunt (MLH) groups ◆ Assigned single line and multi-line telephone set DNs to call pickup groups ◆ Assigned National Integrated Services Digital Network (ISDN) 2 (NI-2) telephone sets ◆ Non-pilot member DNs to existing SimRing groups
Member from Hunt Group	<ul style="list-style-type: none"> • Removes members from the following types of groups: <ul style="list-style-type: none"> ◆ Directory Number Hunt (DNH) groups ◆ Distributed Line Hunt (DLH) groups ◆ Multi-Line Hunt (MLH) groups

	<ul style="list-style-type: none"> ◆ SimRing, excluding the pilot
Virtual DN	<ul style="list-style-type: none"> • Assigns directory numbers (DN) that are associated with an office route, but not physical line equipment • Remove an virtual DN <ul style="list-style-type: none"> ◆ Deletes virtual directory numbers (VDN) that are not associated with physical line equipment ◆ Deletes remote call forwarding (RCF) from a DN ◆ Deletes call forward/interface busy (CFIB) from a DN ◆ Removes a DN with the Message Storage and Retrieval (MSR) option ◆ Pool out a block of DNs ◆ Port out a single DN or a block of DNs
Residential line based on the DN	<ul style="list-style-type: none"> • Retrieves information about the system and services that are associated with a wireline or wireless subscriber, based on the DN.
Residential line based on the LEN	<ul style="list-style-type: none"> • Retrieves and generates a printout of the line information that is associated with a specific LEN or DN.
PNSCRN	<ul style="list-style-type: none"> • Add • Delete • Query • Modify

Available Features

The following table illustrates the residential features that are provided with the *ASAP Cartridge for Nortel CS 2000*:

Feature	Residential Lines
Three Way Calling (3WC)	X
Automatic Call Back (ACB)	X
Anonymous Call Rejection (ACRJ)	X
Advanced Intelligent Network DN (AINDN)	X
Automatic Recall (AR)	X
Access to Messaging Deny (AMSGDENY)	X

Automatic Line (AUL)	X
Cancel Call Waiting (CCW)	X
Call Forwarding Busy Line (CFBL/CFB)	X
Call Forward Do Not Answer (CFDA/CFD)	X
Call Forwarding Remote Access (CFRA)	X
Call Forwarding (CFW)	X
Circular Hunt (CIR)	X
Calling Line Identification with Flash (CLF)	X
Calling Line Identification (CLI)	X
Calling Name Delivery (CNAMD)	X
Calling Number Delivery (CND)	X
Calling Number Delivery Blocking (CNDB)	X
Cutoff on Disconnect (COD)	X
Customer Originated Trace (COT)	X
Call Forwarding Usage Sensitive Denial (CUSD)	X
Call Waiting (CWT)	X
Call Transfer (CXR)	X
Deny Three Way Calling – Usage Sensitive (DENYU3WC)	X
Deny Access to CLASS Features (DENY)	X
DigiTone (DGT)	X
Directory Number Hunt (DNH)	X
Denied Originator (DOR)	X
Distinctive Ringing/Call Waiting (DRCW)	X
Deluxe Spontaneous Call Waiting Identification (DSCWID)	X
Denied Termination (DTM)	X
Essential Line (ELN)	X

Flexible Automatic Number ID (FANI)	X
Intercom Single Party Revertive Calling (INT)	X
Local Call Detail Recording (LCDR)	X
Line Overflow to DN (LOD)	X
Intra-LATA PIC (LPIC)	X
Message Waiting (MWT)	X
Primary Inter-LATA Carrier (PIC)	X
Assigning Line Data Option PORT (PORT)	X
Residential Call Hold (RCHD)	X
Remote Message Register – Reversal (RMR)	X
Remote Message Register for Toll Calls (RMT)	X
Restricted Sent Paid (RSP)	X
Requested Suspension (RSUS)	X
Subscriber Activated Call Blocking (SACB)	X
Selective Call Acceptance (SCA)	X
Selective Call Forwarding (SCF)	X
Selective Call Rejection (SCRJ)	X
Speed Call Short List (SC1)	X
Speed Call Long List 30 (SC2)	X
Spontaneous Call Waiting Identification (SCWID)	X
Secondary Directory Number (SDN)	X
Special Delivery Service Deny (SDSDENY)	X
Suppress Line Identification Information (SUPPRESS)	X
Talking Call Waiting (TCW)	X
Toll Denial (TDN)	X
Warm Line (WML)	X

Wake Up Call Reminder (WUCR)	X
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Cartridge Contents

The *ASAP Cartridge for Nortel CS 2000* 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 groups:

- Customers
- Systems Integrators
- Oracle Communications Services

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

Technical Specifications

Network Element Hardware & Software Requirements

The *ASAP Cartridge for Nortel CS 2000* is designed to operate with the following hardware and software:

- Nortel Succession Call Server 2000 Release ISN09.
- Nortel Succession OSSGate Release ISN09.

Network Element Interface

Nortel Succession's OSSGate provides an upstream interface that enables OSS software products to interface with Succession network elements including the CS 2000.

The ASAP cartridge interfaces with the Nortel Succession CS 2000 through OSSGate using the Telnet connection protocol.