

Oracle Communications

ASAP Cartridge for Nortel CS2K Centrex

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

Supported Services

Centrex Line Services

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

Service	Actions & Description
Centrex Line with Features	<ul style="list-style-type: none"> • Establishes centrex line service for single line and multi-lines telephone sets that is not assigned. It can also add features specified on a work order to the Centrex line. • Removes centrex line service from single line and multi-line telephone set Directory Numbers (DNs) and Line Equipment Numbers (LENs).
Centrex 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 Centrex line. It enables you to delete unwanted features, and then add requested features to the telephone line. • Modifies the information that is associated with existing features on a Centrex 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
Centrex Plug Up-Place on Trouble Intercept (PLP) feature	<ul style="list-style-type: none"> • Adds the PLP feature to a Centrex line, allowing users to block DNs on single line and multi-line telephone sets. Users can originate, but not receive telephone calls.
Centrex Suspend Service (SUS) feature	<ul style="list-style-type: none"> • Suspends Centrex line service to DNs on single line and multi-line telephone sets.
Centrex 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)
New 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"> ◆ DNH

	<ul style="list-style-type: none"> ◆ DLH ◆ MLH ◆ 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
Query Centrex 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.
Query Centrex line based on the LEN	<ul style="list-style-type: none"> • Generates a printout of the line information that is associated with a specific LEN or DN.

Available Features

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

Feature	Centrex 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
AR Dialable DN (ARDDN)	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 Forward Do Not Answer Variable Timer (CFDVT)	X
Call Forwarding Remote Access (CFRA)	X
Call Forwarding Unconditional (CFU)	X
Call Hold (CHD)	X
Circular Hunt (CIR)	X
Calling Line Identification with Flash (CLF)	X
Calling Line Identification (CLI)	X
Calling Name Delivery Blocking (CNAB)	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 Waiting (CWT)	X
Call Transfer (CXR)	X
DigiTone (DGT)	X
Dialable Directory Number (DDN)	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
Local Call Detail Recording (LCDR)	X
Line Overflow to DN (LOD)	X
Intra-LATA PIC (LPIC)	X
Last Number Redial (LNR)	X
Make Set Busy (MSB)	X
Message Waiting (MWT)	X
Primary Inter-LATA Carrier (PIC)	X
Assigning Line Data Option PORT (PORT)	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
Speed Call Long (SCL)	X
Selective Call Rejection (SCRJ)	X
Speed Call Short (SCS)	X
Spontaneous Call Waiting Identification (SCWID)	X
Secondary Directory Number (SDN)	X
Special Delivery Service Deny (SDSDENY)	X
Suppress Line Identification Information (SUPPRESS)	X
Secondary Language (SL)	X
Uniform Call Distribution (UCD)	X
Warm Line (WML)	X
Wake Up Call (WUC)	X

Warm Line (WML)	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 SN06.
- Nortel Succession OSSGate Release SN06.

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.