

Reference

Novell. ZENworks. 10 Configuration Management SP2 Inventory Database Tables

10.2

May 27, 2009

www.novell.com



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About This Guide

This *Novell ZENworks 10 Configuration Management Inventory Database Tables Reference* includes information to help you create custom reports and integrate data with the ZENworks Configuration Management database. The information in this guide is organized as follows:

- ♦ [Chapter 1, “Understanding ZENworks Inventory Database Tables,” on page 9](#)
- ♦ [Chapter 2, “Inventory Data Tables,” on page 11](#)

Notice

Details about the ZENworks database schema are provided for reference purposes. The schema generally changes in each release of the product and any integration done at the database level may be impacted by these changes.

Audience

This guide is intended for Novell® ZENworks® database administrators.

Feedback

We want to hear your comments and suggestions about this manual and the other documentation included with this product. Please use the User Comments feature at the bottom of each page of the online documentation, or go to the [Novell Documentation Feedback site \(http://www.novell.com/documentation/feedback.html\)](http://www.novell.com/documentation/feedback.html) and enter your comments there.

Additional Documentation

ZENworks 10 Configuration Management Asset Management Services is supported by other documentation (in both PDF and HTML formats) that you can use to learn about and implement the product. For additional documentation, see the [ZENworks 10 Configuration Management SP2 documentation \(http://www.novell.com/documentation/zcm10/index.html\)](http://www.novell.com/documentation/zcm10/index.html).

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When a single pathname can be written with a backslash for some platforms or a forward slash for other platforms, the pathname is presented with a backslash. Users of platforms that require a forward slash, such as Linux*, should use forward slashes as required by your software.

Understanding ZENworks Inventory Database Tables

1

This section provides information about the ZENworks inventory database tables for advanced users who may need information about their contents.

How to Use Database Table Definitions

This information is for advanced users who need to understand the structure of the ZENworks inventory database. For example, some users may want to create their own custom reports with Crystal Reports.

This section is purely informational; its contents should not be used to change the database in any way. In particular,

- ◆ Never edit data in the inventory database directly.
- ◆ Never change the structure of the database tables.

Either action would compromise the integrity of the database severely.

IMPORTANT: If you edit the inventory database directly or alter the database tables in any way, *you will forfeit your right to receive any technical support from Novell related to the altered database.*

Table Description Format

The description of each database table includes the following information for the columns in the table:

- ◆ The column name.
- ◆ The key (if any): PK is a primary key; FK is a foreign key.
- ◆ The data type. Note that some data types have different names in Microsoft SQL Server, Microsoft SQL Express, and Oracle.

The following data types may be found in the ZENworks Inventory database.

- ◆ A float is an 8-byte floating point number.
This data type is called a float(126) in Oracle.
- ◆ A tiny <INT-6> is a 1-byte integer from 0 to 28 -1, or 0 to 255.
This data type is called a tinyint in both Microsoft SQL Server and Microsoft SQL Express and is called a number(5) in Oracle.
- ◆ A short <INT2> is a 2-byte integer from -32,768 to 32,767.
This data type is called a smallint in both Microsoft SQL Server and Microsoft SQL Express and is called a number(10,0) in Oracle.
- ◆ A long <INT4> is a 4-byte integer from -2,147,483,648 to 2,147,483,647.

This data type is called an int in both Microsoft SQL Server and Microsoft SQL Express and is called a number(30,0) in Oracle.

- ◆ A binary(n) is an array of bytes, n bytes in length.

This data type is called a raw in Oracle.

- ◆ A varbinary(n) is a variable length array of bytes, with a maximum length of n .
- ◆ A GUID is equivalent to Uniqueidentifier in Microsoft SQL Server 7.0, 2000, and Microsoft SQL Express. In Oracle, it is a raw(18).
- ◆ A char(n) is a character string of length n .
- ◆ A nvarchar(n) is a variable length character string, with a maximum length of n .

This data type is called a varchar2 in Oracle.

- ◆ Text is character data greater than 255 characters, stored in linked lists of 2 KB data pages.
- ◆ Numeric(p,s) is numeric data with fixed precision (p) and scale (s). The storage is based on the precision.

This data type is called a number in Oracle.

- ◆ A DateTime is the date and time.

This data type is called a date in Oracle.

- ◆ The status of nulls. A "No" in the Null column indicates that a null is not allowed; the absence of a "No" means a null is allowed.
- ◆ A description of the column.

Inventory Data Tables

2

The inventory data tables contain all the available data about a workstation, including hardware and software data, demographic data, and FNI data.

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- ◆ Section 2.2, “NC_BIOS Table,” on page 13
- ◆ Section 2.3, “NC_Category Table,” on page 14
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2.1 NC_ADF Table

The NC_ADF Table contains reference data about administrator-defined fields.

Column	Key	Type	Null	Description
ADFOID	PK	numeric(19,0) identity	No	Internal ID number used as a primary key.
TableName		nvarchar(32)	No	Table to which the ADF is associated.
InternalName		nvarchar(8)	No	Database column name, this is the internal representation.
Label		nvarchar(32)	No	Displayed field label
DataType		smallint		Data type used when querying. Possible data types include: 0 Character 1 Integer 2 Decimal 3 Date
InUse		tinyint	No	TRUE(1) = indicates the field is already in use.
DefaultValue		nvarchar(255)		Default value.
IsDisplay		smallint		TRUE(1)= display the field, FALSE to hide it.
IsEditable		smallint		TRUE(1)=field is editable, FALSE if ReadOnly.
ControlType		smallint		Edit, mask, list, combo, check, button, etc.
EditMask		nvarchar(64)		Data entry editing mask.

Column	Key	Type	Null	Description
AutoFill		smallint		Indicates when to fill in a field with the default value.
IsStoreMask		smallint		TRUE(1)=store mask template with data.
IsRequired		smallint		TRUE(1)=User must fill field in with data.
IsUnique		smallint		TRUE(1)=Value must be unique.
MaxLength		smallint		Maximum field length (number of characters).
DateLastModified		datetime		The date the record was last modified.

2.2 NC_BIOS Table

The NC_BIOS table contains inventory data about BIOS components.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
Version		nvarchar(64)		The BIOS version.
ReleaseDate		nvarchar(9)		The ROM release date.
DMICompVersion		nvarchar(6)		The DMI (SM) BIOS version.
IsAPMSupport		smallint	No	1 (TRUE) if it supports the Advanced Power Management specification; else 0.
IsACPICompatible		smallint	No	1 (TRUE) if it supports the Advanced Configuration and Power Interface; else 0.
FamilyCode		nvarchar(32)		The BIOS family.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.3 NC_Category Table

The NC_Category table tracks product categories.

Column	Key	Type	Null	Description
CategoryOID	PK	binary(16)	No	An internal ID number used as a primary key.
CategoryName		nvarchar(32)	No	The name of the product category.
CategoryType		smallint	No	The product type to which the category belongs. See "Note" below.
IsTally		smallint	No	1 (TRUE) if the category was defined by Novell; else 0.
IsDeleted		DateTime		The date and time the record was deleted; else null.

NOTE: The CategoryType can be one of the following:

1	BIOS	17	Printer
2	CPU	18	BUS Adapter
3	CD/DVD Drive	19	Serial Port
4	DMI	20	Sound Card
5	Diskette Drive	21	Software
6	Hard Disk	22	System
7	Keyboard	23	System Board
8	LAN Adapter	24	Video Adapter
9	Memory Module Socket	25	Removable Media Drive
10	Modem	26	Other
11	Monitor	29	Hot Fix
12	Mouse	30	USB Port
13	Network Driver	31	Docking Station
14	Operating System		
15	Parallel Port		
16	Partition		

2.4 NC_CDRROM Table

The NC_CDRROM table contains inventory data about CD-ROM components.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
InterfaceType		smallint	No	The interface type: 0=Unknown, 1=IDE, 2=SCSI, 3=USB, 4=FireWire.
DriveLetter		nvarchar(64)	Yes	A letter assigned to the drive
DeviceType		smallint	Yes	Drive type (capabilities)

Device Type

0	Unknown	7	CDR/DVD -R
1	CD Reader	8	CDR/DVD -RW
2	DVD ROM	9	CDR/DVD +R
3	CDR	10	CDR/DVD +RW
4	CD Read/Write	11	CDR/DVD +/-R
5	CD DVD	12	CDR/DVD +/-RW
6	DVD RAM		

FK references:

- ◆ FK_CDROM_CompOID: ComponentOID references NC_Component.ComponentOID

2.5 NC_ChoiceListItem Table

The NC_ChoiceListItem table contains information for choice list items.

Column	Key	Type	Null	Description
ChoiceListItemOID	PK	binary(16)	No	Internal ID number used as a primary key.
ChoiceText		nvarchar(100)		The name the administrator assigns to the column; for example, workstation color.

Column	Key	Type	Null	Description
ADFOID	FK	numeric(19,0)	No	Refers to the adf to which this value belongs.

2.6 NC_CompChanges Table

The NC_CompChanges contains information about hardware and software changes.

Column	Key	Type	Null	Description
CompChangesOID	PK	binary(16)	No	Internal ID number used as primary key.
TypeOfChange		smallint	No	Created, field value edited, deleted, etc. The complete list with codes is: 0 Created 1 Edited 2 Deleted 3 Moved 4 Retired
SourceOfChange		smallint	No	Collector, Collection Server, Mgr, etc. The complete list with codes is: 0 Collector 1 Field Editor 2 Collection Server 3 Manager 4 Admin Server 5 Web Console
FieldId		int		Field ID from the data model.
FieldLabel		nvarchar(50)		Field name label from the data model.
Value1		nvarchar(255)		Old value that was changed.
Value2		nvarchar(255)		New value.
CreateDate		datetime		Date that the change was captured by the collector.
PrevWkstnOID		binary(16)		Workstation with which the component was associated.
ComponentOID	FK	binary(16)	No	Reference to the component changed.

2.7 NC_Component Table

The NC_Component table contains information about hardware and software components.

Column	Key	Type	Null	Description
ComponentOID	PK	binary(16)	No	An internal ID number used as a primary key.
WorkstationOID	FK	binary(16)	No	The workstation with which the component is associated.
ProductOID	FK	binary(16)	No	The product as identified by the Collector.
ProductAlias	FK	binary(16)	No	The product as edited by the user.
ProductType		smallint	No	The product type. See "Notes" in "NC_Product Table."
Collector		smallint		The list is: 0 Win32 1 OS/2 2 DOS 3 UNIX 4 Palm OS 5 OS X
Source		smallint		The source of the component: 0 Novell Defined 1 Collector 2 Field Editor 3 ZENworks Control Center 4 Translator/Migrator 5 Palm Translator 6 UNIX Translator 7 OS X Translator
SerialNumber		nvarchar(38)		The serial number as discovered by the Collector.
AssetTag		nvarchar(38)		The asset tag as discovered by the Collector.
SerialNumberAlias		nvarchar(38)		The serial number as provided by the user.
AssetTagAlias		nvarchar(38)		The asset tag as provided by the user.
ModelNumber		nvarchar(32)		The model number.
CreateDate		DateTime	No	The date the component was first discovered.
DateLastModified		DateTime	No	The date the component was last changed.

Column	Key	Type	Null	Description
IsDeleted		DateTime		The date and time the record was deleted; else null.
ExcludedNonColl		Tinyint	Yes	0
ADF0		nvarchar(256)		Description of "Administrator Defined Field 0"
ADF1		nvarchar(256)		Description of "Administrator Defined Field 1"
ADF2		nvarchar(64)		Description of "Administrator Defined Field 2"
ADF3		nvarchar(64)		Description of "Administrator Defined Field 3"
ADF4		nvarchar(64)		Description of "Administrator Defined Field 4"
ADF5		nvarchar(64)		Description of "Administrator Defined Field 5"
ADF6		nvarchar(64)		Description of "Administrator Defined Field 6"
ADF7		nvarchar(64)		Description of "Administrator Defined Field 7"
ADF8		nvarchar(64)		Description of "Administrator Defined Field 8"
ADF9		nvarchar(64)		Description of "Administrator Defined Field 9"
ADF10		nvarchar(64)		Description of "Administrator Defined Field 10"
ADF11		nvarchar(64)		Description of "Administrator Defined Field 11"
ADF12		nvarchar(64)		Description of "Administrator Defined Field 12"
ADF13		nvarchar(64)		Description of "Administrator Defined Field 13"
ADF14		nvarchar(64)		Description of "Administrator Defined Field 14"
ADF15		nvarchar(64)		Description of "Administrator Defined Field 15"
ADF16		nvarchar(64)		Description of "Administrator Defined Field 16"
ADF17		nvarchar(64)		Description of "Administrator Defined Field 17"
ADF18		nvarchar(64)		Description of "Administrator Defined Field 18"

Column	Key	Type	Null	Description
ADF19		nvarchar(64)		Description of "Administrator Defined Field 19"
IsRetired		DateTime		The date and time the record was retired; else null.

Notes

1. ProductType: See note 1 within NC_Product Table

FK references:

1. FK_Comp_WkstnOID: WorkstationOID references NC_Workstation.WorkstationOID
2. FK_Comp_ProductOID: ProductOID references NC_Product.ProductOID
3. FK_Comp_ProductAlias: ProductAlias references NC_Product.ProductOID

Indexes:

1. IDX_Comp_WkstnOID: WorkstationOID (nonclustered)
2. IDX_Comp_ProdOID: ProductOID
3. IDX_Comp_ProdAlias: ProductAlias

2.8 NC_CPU Table

The NC_CPU table contains CPU inventory data.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
Speed		Float		The CPU speed in MHz.
VendorIdentifier		nvarchar(12)		The manufacturer of the CPU.
CPUIDType		smallint		The CPU type.
CPUIDFamily		smallint		The CPU family.
CPUIDModel		smallint		The CPU model.
CPUIDStepping		smallint		The CPU stepping result.
IsMMX		smallint	No	1 (TRUE) if the MMX flag features flags; else 0.
L1CacheSize		smallint		The size of the L1 cache.
Is64Bit		tinyint		1 if a 64-bit processor, else 0
CoreCount		tinyint		Number of cores in the CPU count, initially 1

Column	Key	Type	Null	Description
IsHyperThreaded		tinyint		1 if the processor is hyperthreaded, else 0

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.9 NC_DeviceRes Table

The NC_DeviceRes table includes information about a device's I/O map, IRQ, DMA, or memory.

Column	Key	Type	Null	Description
DeviceResOID	PK	binary(16)	No	An internal ID number used as a primary key.
Description		nvarchar(64)		The name of the device.
IOMap		nvarchar(64)		The I/O map.
IRQs		nvarchar(64)		The IRQ.
DMAs		nvarchar(64)		The DMA data.
Memory		nvarchar(64)		Data about memory.
WorkstationOID	FK	binary(16)	No	The workstation ID.

NOTE: The WorkstationOID foreign key references the WorkstationOID primary key column of the NC_Workstation table.

2.10 NC_Disk Table

The NC_Disk table contains data about disk components.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
DriveNumber		smallint		Represents the order of disks in the device.
IsSmartWarning		smallint	No	1 (TRUE) if SMART warning is supported; else 0.
LogicalDrives		nvarchar(32)		A list of logical drives on this disk.
RawTotalSpace		Float		The total disk capacity.
InterfaceType		smallint	No	The interface type: 0=Unknown, 1=IDE, 2=SCSI, 3=USB, 4=FireWire.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.11 NC_FileScanData Table

The NC_FileScanData table contains information about files not associated with recognized products.

Column	Key	Type	Null	Description
FileScanDataOID	PK	binary(16)	No	An internal ID number used as a primary key.
FileDate		datetime		The date the file was first discovered.
FileSize		numeric(19,2)		The size of the file.
FileName		nvarchar(64)		The file name.
SubDirectory		nvarchar(255)		The folder in which the file resides.
Extension		nvarchar(32)		The three-character file extension.
FileScanCategory		smallint		0=None, 1=System, 2=Ancillary, 3=Other
VICompanyName		nvarchar(64)		Version resource block company name.
VIProductName		nvarchar(80)		Version resource block product name.
VIProductVersion		nvarchar(32)		Version resource block product version.
VILanguage		nvarchar(16)		Version resource block language.
VIFileVersion		nvarchar(32)		Version resource block file version.
StartupCount		int		The number of times the application file has been launched.
TotalRuntimeSeconds		int		The total number of seconds the file has been open.
TotalActiveSeconds		int		The total number of seconds the file was active.
WorkstationOID	FK	binary(16)		The ID that connects to the workstation where this file was discovered.

2.12 NC_Floppy Table

The NC_Floppy table includes data about floppy drives.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
Capacity		Float		The storage capacity of the drive.
DriveLetter		nvarchar(64)		The drive letter.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.13 NC_HotFix Table

The NC_HotFix table contains inventory data about hot fixes (patches).

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
RegistryKey		nvarchar(256)		The registry key used to identify the hot fix.
Description		nvarchar(128)		The description of the hot fix.
DateInstalled		nvarchar(20)		The date the hot fix was installed.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.14 NC_IPAddress Table

The NC_IPAddress table contains information about IP addresses associated with LAN adaptors.

Column	Key	Type	Null	Description
IPAddressOID	PK	binary(16)	No	Internal ID number used as a primary key.
IPAddress		nvarchar(40)		IP address associated with a particular LAN card.
SubnetMask		nvarchar(40)		IP Subnet Mask associated with a particular LAN card.
LANAdapterOID	FK	binary(16)	No	LAN Adapter this IP entry is associated to.

2.15 NC_Keyboard Table

The NC_Keyboard table contains inventory data about keyboards.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
InterfaceType		smallint		The interface type: 0=Unknown, 1=PS/2, 2=USB.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.16 NC_LANAdapter Table

The NC_LANAdapter table contains inventory data about LAN adapters.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
LANAddress		nvarchar(12)		The 48-bit Ethernet address associated with this card.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.17 NC_LDAPImportMappings Table

The LDAPImportMappings table contains LDAP mapping information.

Column	Key	Type	Null	Description
ZUID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
LDAPImportTaskUID	FK	binary(16)		ID providing linkage to the task table record that uses this mapping.
invClassType		nvarchar(8)		The class type.
invFieldType		nvarchar(256)		The field type.
isMatch		tinyint		1 if the record is matched, else 0.
LDAPProperty		nvarchar(255)		The LDAP properties associated with this mapping.

2.18 NC_LDAPImportTask Table

The NC_LDAPImportTask table contains information about LDAP import tasks..

Column	Key	Type	Null	Description
ZUID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
LdapServer		nvarchar(128)		The name of the LDAP server.
LdapPort		nvarchar(8)		The port used to connect to the LDAP server.
LdapBaseDn		nvarchar(256)		The base DN used when searching the LDAP server.
UseSSL		tinyint		1 if an SSL connection is to be used when connecting to the LDAP server, else 0.
LdapSearchFilter		nvarchar(255)		The search filter that is used when searching the LDAP server.
PersistCredentials		tinyint		1 if credentials are saved for future task execution, else 0.
HasCredentials		tinyint		1 if credentials are available for this task, else 0.
CredentialServerUID	FK	binary(16)		ID used to identify the credential server.
LastCredentialUpdate		datetime		Date when credentials were last updated.
RunningStatus		nvarchar(32)		The current status of the running LDAP import task.
LdapSourceName		nvarchar(128)		The LDAP source name for this import task.
LastStartTime		datetime		The last time the import task was started.
LastFinishTime		datetime		The completion time for the last time this task ran.
LdapContexts		ntext		The LDAP context for this task.

Column	Key	Type	Null	Description
LdapServerCert		ntext		The certificate used to connect to the LDAP server.
Packet		ntext		The credentials of the LDAP directory.

2.19 NC_LogicalDrive Table

The NC_LogicalDrive table contains inventory data about logical drives.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
DriveNumber		smallint		The number of the drive.
DriveLetter		nvarchar(64)		The drive letter (without a colon).
AvailableSpace		Float		The free space on this drive.
TotalSpace		Float		The total space on this drive.
LogicalNumber		smallint		The sequential number of this drive on the disk.
IsRemote		smallint	No	1 (TRUE) if the drive is networked; else 0.
FileSystem		smallint		The file system: 0=Unknown, 1=FAT, 2=FAT 32, 3=NTFS, 4=HPFS, 5=NetWare, 6=Xenix, 7=Linux, 8=UNIX, 9=AIX, 10=Mac, 11=Hidden.
VolumeLabel		nvarchar(64)		The volume name of the drive.
VolumeSerialNumber		nvarchar(32)		The serial number of the drive.
UNCPath		nvarchar(100)		The UNC path of the drive.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.20 NC_MemoryModule Table

The NC_MemoryModule table contains inventory data about memory.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.

Column	Key	Type	Null	Description
MemoryType		smallint	No	The type of memory: 0=Other, 1=Unknown, 2=Standard, 3=Fast page mode, 4=EDO, 5=Burst EDO, 6=SDRAM, 7=CDRAM, 8=3DRAM, 9=SGRAM, 10=RDRAM, 11=DDR, 12=DDR2, 13=DDR2 FB DIMM.
ModuleSize		smallint		The size of the module in MB.
Speed		smallint		Access time in nanoseconds.
SocketDesignator		nvarchar(24)		The socket designator for the module.
FormFactor		smallint	No	The physical configuration: 0=unknown, 1=SIMM, 2=DIMM.
Parity		smallint	No	1 (TRUE) if the parity bit is present; else 0.
ECC		smallint	No	1 (TRUE) if error checking and correction is present; else 0.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.21 NC_Modem Table

The NC_Modem table contains inventory data about modems.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
Speed		int		The maximum speed of the modem in bps.
ComPort		nvarchar(4)		The communications port to which the modem is attached.
ModemType		smallint	No	The modem type: 0=Unknown, 1=External, 2=Internal, 3=PC Card.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.22 NC_Monitor Table

The NC_Monitor table contains inventory data about monitors.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
EISAManufacturer		nvarchar(64)		The manufacturer's name.
VESAProduct		nvarchar(64)		The product name.
YearManufactured		smallint		The year of manufacture.
WeekManufactured		smallint		The week (1-52) of manufacture.
DiagonalSize		Float		The calculated diagonal size.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.23 NC_Mouse Table

The NC_Mouse table contains inventory data about mice.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
InterfaceType		smallint		The interface type: 0=Unknown, 1=PS/2, 2=InPort, 3=Bus, 4=USB, 5=USB.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.24 NC_NetworkDriver Table

The NC_NetworkDriver table contains inventory data about network drivers.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
FileVersion		nvarchar(32)		The file version.
Filename		nvarchar(16)		The file name.
Description		nvarchar(80)		The driver description.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.25 NC_OperatingSystem Table

The NC_OperatingSystem table contains inventory data about operating systems.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
OSInternalVersion		nvarchar(8)		Internal version string for the operating system.
ServicePack		nvarchar(8)		The service pack string.
BootDriveLetter		nvarchar(1)		The drive from which the operating system started (without a colon).

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.26 NC_ParallelPort Table

The NC_ParallelPort table contains inventory data about parallel ports.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary	No	An internal ID number used as a primary key.
LogicalName		nvarchar(64)		The name of the port, for example, LPT1.
IsEPP		smallint	No	1 (TRUE) if EPP is supported; else 0.
IsECP		smallint	No	1 (TRUE) if ECP is supported; else 0.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.27 NC_Printer Table

The NC_Printer table contains inventory data about printers.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
IsRemote		smallint	No	1 (TRUE) if it's a network printer; else 0.

Column	Key	Type	Null	Description
UNCPath		nvarchar(255)		The UNC path of the printer.
Port		nvarchar(6)		The port to which the printer is assigned, for example, LPT1.
DriverName		nvarchar(64)		The printer driver name.
WindowsName		nvarchar(64)		The Windows name of the printer.
IPAddress		nvarchar(40)		The IP address for the printer, if it is available.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.28 NC_Product Table

The NC_Product table contains product information.

Column	Key	Type	Null	Description
ProductOID	PK	binary(16)	No	An internal ID number used as a primary key.
Code		int		The product's unique ID where 0 as the leading digit represents hardware and 1 represents software.
ProductType		smallint	No	The product type. See "Notes"below.
ProductCategoryOID	FK	binary(16)		Product classification information.
Manufacturer		nvarchar(35)		The manufacturer's name.
Product		nvarchar(100)		The product name.
Model		nvarchar(25)		The model of the product.
Source		smallint	No	How the product was created: 0=Novell Defined 1= Collection 2=Field Editor 3 = ZENworks Control Center 4=Translator/Migrator 5=Palm Translator 6=UNIX Translator 7=OS X Translator.

Column	Key	Type	Null	Description
SWPlatform		smallint		The platform under which a software product runs. See "Notes" below.
NotInUse		smallint	No	1 (TRUE) if the product is a local product that has been reconciled into another product; else 0.
Classification		smallint	No	The classification of a product: 0=hardware, 1=software.
Platform		smallint	No	The platform. See "Notes" below.
Language		smallint	No	The language. See "Notes" below.
IsCodeValid		smallint	No	1 (TRUE) if the code is valid; else 0.
IsMerged		smallint	No	1 (TRUE) if the local product has been merged into the product KB files; else 0.
DistributionModel		smallint		How the product is sold: 0 = Unknown 1 = Commercial 2 = Freeware 3 = Shareware 4 = Open Source 5 = Multiple 6 = Public Domain
LicenseProductType		smallint		The type of license that is associated with the software: 0 = Unknown 1 = Full 2 = Eval 3 = OEM 4 = Multiple 5 = Network
CurrentManufacturer		nvarchar(35)		
CreateDate		DateTime		The time and date the product was created.
DateLastModified		DateTime		The time and date the product was last modified by a ZENworks Asset Management User.
IsDeleted		DateTime		The date and time the record was deleted;else null.

Column	Key	Type	Null	Description
ADF0		nvarchar(256)		Description of "Administrator Defined Field 0"
ADF1		nvarchar(256)		Description of "Administrator Defined Field 1"
ADF2		nvarchar(64)		Description of "Administrator Defined Field 2"
ADF3		nvarchar(64)		Description of "Administrator Defined Field 3"
ADF4		nvarchar(64)		Description of "Administrator Defined Field 4"
ADF5		nvarchar(64)		Description of "Administrator Defined Field 5"
ADF6		nvarchar(64)		Description of "Administrator Defined Field 6"
ADF7		nvarchar(64)		Description of "Administrator Defined Field 7"
ADF8		nvarchar(64)		Description of "Administrator Defined Field 8"
ADF9		nvarchar(64)		Description of "Administrator Defined Field 9"
ADF10		nvarchar(64)		Description of "Administrator Defined Field 10"
ADF11		nvarchar(64)		Description of "Administrator Defined Field 11"
ADF12		nvarchar(64)		Description of "Administrator Defined Field 12"
ADF13		nvarchar(64)		Description of "Administrator Defined Field 13"
ADF14		nvarchar(64)		Description of "Administrator Defined Field 14"
ADF15		nvarchar(64)		Description of "Administrator Defined Field 15"
ADF16		nvarchar(64)		Description of "Administrator Defined Field 16"
ADF17		nvarchar(64)		Description of "Administrator Defined Field 17"
ADF18		nvarchar(64)		Description of "Administrator Defined Field 18"
ADF19		nvarchar(64)		Description of "Administrator Defined Field 19"

Notes

- ◆ The ProductType can be one of the following:

1	BIOS	16	Partition
2	CPU	17	Printer
3	CD-ROM	18	Bus Adapter
4	DMI	19	Serial Port
5	Floppy	20	Sound Card
6	Hard Disk	21	Software
7	Keyboard	22	System
8	LAN Adapter	23	System Board
9	Memory Module	24	Video Adapter
10	Modem	25	Removable Media
11	Monitor	26	Other
12	Mouse	29	Hot Fix
13	Network Driver	30	USB Port
14	Current Operating System	31	Docking Station
15	Parallel port		

- ◆ SWPlatform and Platform can have one of the following values:

0	DOS
1	Windows 3.x
2	Windows 95
3	Windows 98
4	Windows 32-bit
5	Windows NT
6	Windows 9x
7	OS/2
8	Unassigned
9	Palm OS
10	Windows 2000
11	Windows XP
12	UNIX
13	OS X

14 Windows Vista

- ◆ Language can have one of the following values:

1	Afrikaans	15	Hungarian
2	Arabic	16	International
3	Chinese	17	Italian
4	Simple Chinese	18	Japanese
5	Traditional Chinese	19	Korean
6	Danish	20	Norwegian
7	Dutch	21	Polish
8	English (U.K.)	22	Portuguese
9	English (U.S.)	23	Brazilian Portuguese
10	Finnish	24	Russian
11	French	25	Spanish
12	German	26	Swedish
13	Greek	27	Turkish
14	Hebrew		

- ◆ The ProductCategoryOID foreign key references the ProductCategoryOID primary key column of the NC_ProductCategory table.
- ◆ ProductType + Manufacturer + Product + Model + Source + Language + IsDeleted has a unique constraint named UQ_Product_Names.

2.29 NC_ProductCategory Table

The NC_ProductCategory table contains information about product subcategories.

Column	Key	Type	Null	Description
ProductCategoryOID	PK	binary(16)	No	An internal ID number used as a primary key.
ProductCategoryName		nvarchar(32)	No	The name of the product subcategory.
CategoryOID	FK	binary(16)	No	Product category information.
IsTally		smallint	No	1 if this is a product category defined by Novell; 0 if it is user-defined.
IsDeleted		DateTime		The date and time the record was deleted; else null.

NOTE: The CategoryOID foreign key references the CategoryOID primary key column of the NC_Category table.

2.30 NC_PRU Table

The NC_PRU table contains information about product recognition updates.

Column	Key	Type	Null	Description
PRUOID	PK	binary(16)	No	Internal ID number used as the primary key.
KBVersion		nvarchar(48)		Version number of the KB files created.
PRUVersion		nvarchar(48)		Version number of the PRU updated.
PRUNumber		smallint		Number of the last PRU.
PRULabel		nvarchar(16)		Label of the last PRU.
PRUDate		datetime		Date of last PRU.
PRU		image		PRU stored directly in the database as a Blob.
LMPRUVersion		nvarchar(48)		Version number of the License Management PRU.

2.31 NC_RemovableMedia Table

The NC_RemovableMedia table contains inventory data about removable media drives.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
InterfaceType		smallint		The interface type: 0=Unknown, 1=IDE, 2=SCSI, 3=USB, 4=FireWire.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.32 NC_SerialPort Table

The NC_SerialPort table contains inventory data about serial ports.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
LogicalName		nvarchar(4)		The name of the port, for example, COM1.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.33 NC_Software Table

The NC_Software table contains inventory data about software.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
Path		nvarchar(255)		The path to the folder where the software resides.
AdditionalInfo		nvarchar(200)		Additional information about the software, for example, the date of a virus definition.
ParentSuiteOID		binary(16)	Yes	Link from a suite component to the parent suite product.

Notes

FK references:

1. FK_SW_CompOID: ComponentOID references NC_Component.ComponentOID
2. FK_SW_ParentSuiteOID: ParentSuiteOID references NC_Software.ComponentOID

Indexes:

- ♦ IDX_SW_ParentSuiteOID: ParentSuiteOID

2.34 NC_System Table

The NC_System table contains inventory data about systems.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
ChassisType		smallint		The type of chassis. See "Notes" below.

Column	Key	Type	Null	Description
ThermalState		smallint		The thermal state. See "Notes" below.
CoverRemoved		DateTime		The CPU cover has been removed.
Fingerprint		Varbinary(255)		The fingerprint used to identify the system.

Notes

- ◆ The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.
- ◆ The ChassisType can have one of the following values:

0	Out of Range	13	All in One
1	Other	14	Sub Notebook
2	Unknown	15	Space-saving
3	Desktop	16	Lunch Box
4	Low Profile Desktop	17	Main Server Chassis
5	Pizza Box	18	Expansion Chassis
6	Mini Tower	19	SubChassis
7	Tower	20	Bus Expansion Chassis
8	Portable	21	Peripheral Chassis
9	Laptop	22	RAID chassis
10	Notebook	23	Rack Mount Chassis
11	Hand Held	24	Sealed-case PC
12	Docking Station		

- ◆ ThermalState can have one of the following values:

0	Out of range
1	Other
2	Unknown
3	Safe
4	Warning
5	Critical
6	Non-recoverable

2.35 NC_SystemBoard Table

The NC_SystemBoard table contains inventory data about system boards.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
Revision		nvarchar(32)		The motherboard version.
Bus1type		smallint		The first bus type: 0=unknown, 1=ISA, 2=PCI, 3=MCA, 4=EISA, 5=PCMCIA, 6=VL.
Bus1slots		smallint		The number of slots for the first bus.
Bus2type		smallint		The second bus type: 0=unknown, 1=ISA, 2=PCI, 3=MCA, 4=EISA, 5=PCMCIA, 6=VL.
Bus2slots		smallint		The number of slots for the second bus.
L2CacheSize		smallint		The size of the L2 cache.
L2CacheSpeed		smallint		The access time of the L2 cache in nanoseconds.
L2CacheWritePolicy		smallint		The write policy of the L2 cache: 0=unknown, 1=write back, 2=write through, 3=write variable.
SystemBoardId		nvarchar(64)		The identification of the system board.
MotherboardUID		binary(16)		The identification of the mother board.

NOTE: The ComponentOID foreign key references the ComponentOID primary key column of the NC_Component table.

2.36 NC_User Table

The NC_User table contains information about entered users.

Column	Key	Type	Null	Description
UserOID	PK	binary(16)	No	An internal ID number used as a primary key.
FirstName		nvarchar(32)		The user's first name.
MiddleName		nvarchar(32)		The user's middle name.
LastName		nvarchar(32)		The user's last name.

Column	Key	Type	Null	Description
Phone		nvarchar(32)		The user's telephone number.
Email		nvarchar(100)		The user's e-mail address.
Phone2		nvarchar(32)		The user's second telephone number.
Fax		nvarchar(32)		The user's fax number.
IsDeleted		DateTime		The date and time the record was deleted; else null.
ADF0		nvarchar(256)		Description of "Administrator Defined Field 0"
ADF1		nvarchar(256)		Description of "Administrator Defined Field 1"
ADF2		nvarchar(64)		Description of "Administrator Defined Field 2"
ADF3		nvarchar(64)		Description of "Administrator Defined Field 3"
ADF4		nvarchar(64)		Description of "Administrator Defined Field 4"
ADF5		nvarchar(64)		Description of "Administrator Defined Field 5"
ADF6		nvarchar(64)		Description of "Administrator Defined Field 6"
ADF7		nvarchar(64)		Description of "Administrator Defined Field 7"
ADF8		nvarchar(64)		Description of "Administrator Defined Field 8"
ADF9		nvarchar(64)		Description of "Administrator Defined Field 9"
ADF10		nvarchar(64)		Description of "Administrator Defined Field 10"
ADF11		nvarchar(64)		Description of "Administrator Defined Field 11"
ADF12		nvarchar(64)		Description of "Administrator Defined Field 12"
ADF13		nvarchar(64)		Description of "Administrator Defined Field 13"
ADF14		nvarchar(64)		Description of "Administrator Defined Field 14"
ADF15		nvarchar(64)		Description of "Administrator Defined Field 15"

Column	Key	Type	Null	Description
ADF16		nvarchar(64)		Description of "Administrator Defined Field 16"
ADF17		nvarchar(64)		Description of "Administrator Defined Field 17"
ADF18		nvarchar(64)		Description of "Administrator Defined Field 18"
ADF19		nvarchar(64)		Description of "Administrator Defined Field 19"

2.37 NC_VideoAdapter Table

The NC_VideoAdapter table contains inventory data about video adapters.

Column	Key	Type	Null	Description
ComponentOID	PK, FK	binary(16)	No	An internal ID number used as a primary key.
MinRefreshRate		smallint		The minimum refresh rate.
MaxRefreshRate		smallint		The maximum refresh rate.
MemoryType		smallint		The memory type.
MemorySize		int		The memory size.
MinVertResolution		smallint		The minimum vertical resolution.
MinHorizResolution		smallint		The minimum horizontal resolution.
MaxVertResolution		smallint		The maximum vertical resolution.
MaxHorizResolution		smallint		The maximum horizontal resolution.
NumberBitsPerPixel		smallint		The number of bits per pixel.
PixelShaderMajorVersion		smallint		Major version for the pixel shader.
PixelShaderMinorVersion		smallint		Minor version for the pixel shader.

NOTE: *FK references:*

1. FK_VideoAdapt_CompOID: ComponentOID references NC_Component.ComponentOID

2.38 NC_VirtualMachine Table

Contains information about a virtual machines.

Column Name	Key	Datatype	Null	Description
VirtualMachineOID	PK,FK	binary(16)	N	internal ID number used as primary key.
HostWorkstationOID		binary(16)	N	identifies the workstation that hosts this VM.
VMDisplayName		nvarchar(100)		The virtual machine display name.
VMGuestOS		nvarchar(100)		The virtual machine operating system.
VMType		tinyint	N	The virtual machine type.
VMEthernetAddress		nvarchar(12)		The virtual machine Ethernet address.
VMUUID		nvarchar(36)		The virtual machine UID.

Notes:

- ♦ VMType: 0=None, 1 = Unknown, 2 = VMware, 3 = VirtualPC

FK references:

- ♦ FK_VirtualMachine_WkstnOID: HostWorkstationOID references NC_Workstation.WorkstationOID

Indexes:

- ♦ IDX_VirtualMachine_WkstnOID: HostWorkstationOID

Check constraints:

- ♦ CK_VirtualMachine_VMType: VMType between 1 and 3 (inclusive)

2.39 NC_Workstation Table

The NC_Workstation table tracks workstation inventory data.

Column	Key	Type	Null	Description
WorkstationOID	PK	binary(16)	No	An internal ID number used as a primary key.

Column	Key	Type	Null	Description
ZenWorksAgentId		binary (16)		The identification for the ZENworks Adaptive Agent installed on this workstation.
UnManagedAgentId		binary (16)		The identification for an unmanaged agent.
MachineName		nvarchar(32)		The machine name. See "Notes" below.
InventoryType		smallint	No	The type of inventory: 0=Workstation, 1=Server, 2=Stockroom, 3=Lost and Found, 4= Portable, 5=NetCensus, 6=Manually-entered Workstation, 7=Workstation Not Yet Scanned, 8=UNIX, 9=PDA.
LoginName		nvarchar(32)		The user's logon name. See "Notes" below.
Site		nvarchar(32)		The site of the workstation.
Dept		nvarchar(32)		The department to which the workstation belongs.
CostCenter		nvarchar(32)		The cost center to which the workstation belongs.
Building		nvarchar(32)		The building in which the workstation resides.
Floor		nvarchar(10)		The floor on which the workstation resides.
Room		nvarchar(32)		The number of the room.
Phone		nvarchar(32)		The telephone number at the workstation.
TotalMemory		int		The total system memory.
TotalHardDiskSpace		Float		The total space on the hard disk.
FreeHardDiskSpace		Float		The total free space on the hard disk.
LastScanId		binary(16)		
LastSuccessfulScanDate		DateTime		The date and time of the last successful scan of the workstation.
LastSuccessfulLoadDate		DateTime		The date and time of the last successful load of inventory from the workstation.
LastUsageGatherDate		DateTime		Reserved for internal use.
LANAddress		nvarchar(12)		The LAN address from the LAN adapter.

Column	Key	Type	Null	Description
IPAddress		nvarchar(15)		The IP address from the LAN adapter.
SubnetMask		nvarchar(15)		The subnet mask from the LAN adapter.
DefaultGateway		nvarchar(15)		The default gateway from the LAN adapter.
WkstnDomain		nvarchar(64)		The workstation domain.
SerialNumber		nvarchar(38)		The serial number of the system component.
AssetTag		nvarchar(38)		The asset tag of the system component.
IsLeased		smallint	No	1 (TRUE) if the machine is leased; else 0.
LeaseExpireDate		DateTime		Lease expiration date.
LeaseContractId		VarChar(20)		The contract ID of the lease.
AccountId		varbinary(16)		The account identification.
CreateDate		DateTime	No	The date and time the workstation was added.
DateLastModified		DateTime	No	The date and time the workstation was last modified.
IsDeleted		DateTime		Used to record the date when a workstation is marked as retired.
CPU Speed		float		The CPU speed.
CPU Product		DateTime		The product name of the CPU.
CPU Count		smallint		The number of CPUs in the workstation.
SystemManufacturer		nvarchar(35)		The system manufacturer.
SystemProduct		nvarchar(100)		The system product name.
SystemModel		nvarchar(25)		The system model.
SystemChassis		smallint		The type of system chassis. See the chassis type listing under the NC_System table.
OSManufacturer		nvarchar(35)		The operating system manufacturer.
OSProduct		nvarchar(100)		The operating system product name.
OSModel		nvarchar(25)		The operating system model number.

Column	Key	Type	Null	Description
OSServicePack		nvarchar(8)		The operating system service pack level.
OSBuild		nvarchar(8)		The operating system build number.
ScannedSerialNumber		nvarchar(38)		The scanned serial number for the workstation.
CalculatedPrimaryUser		nvarchar(128)		The calculated primary user from an authoritative source.
ADF0		nvarchar(256)		Description of "Administrator Defined Field 0"
ADF1		nvarchar(256)		Description of "Administrator Defined Field 1"
ADF2		nvarchar(64)		Description of "Administrator Defined Field 2"
ADF3		nvarchar(64)		Description of "Administrator Defined Field 3"
ADF4		nvarchar(64)		Description of "Administrator Defined Field 4"
ADF5		nvarchar(64)		Description of "Administrator Defined Field 5"
ADF6		nvarchar(64)		Description of "Administrator Defined Field 6"
ADF7		nvarchar(64)		Description of "Administrator Defined Field 7"
ADF8		nvarchar(64)		Description of "Administrator Defined Field 8"
ADF9		nvarchar(64)		Description of "Administrator Defined Field 9"
ADF10		nvarchar(64)		Description of "Administrator Defined Field 10"
ADF11		nvarchar(64)		Description of "Administrator Defined Field 11"
ADF12		nvarchar(64)		Description of "Administrator Defined Field 12"
ADF13		nvarchar(64)		Description of "Administrator Defined Field 13"
ADF14		nvarchar(64)		Description of "Administrator Defined Field 14"
ADF15		nvarchar(64)		Description of "Administrator Defined Field 15"

Column	Key	Type	Null	Description
ADF16		nvarchar(64)		Description of "Administrator Defined Field 16"
ADF17		nvarchar(64)		Description of "Administrator Defined Field 17"
ADF18		nvarchar(64)		Description of "Administrator Defined Field 18"
ADF19		nvarchar(64)		Description of "Administrator Defined Field 19"
PrimaryUserOID	FK1,I2	binary(16)		ID to link in entered user information from NC_User.

Notes

- ♦ MachineName and LoginName are obtained from the network. If more than one network is available, the order used is Windows network, NetWare, and NetBIOS.
- ♦ The PrimaryUserOID foreign key references the UserOID primary key column of the NC_User table.

2.40 NC_WkstnChanges Table

The NC_Workstation table tracks workstation changes.

Column	Key	Type	Null	Description
WkstnChangesOID	PK	binary(16)	No	Internal ID number used as a primary key.
TypeOfChange		smallint	No	0 = Created 1 = Edited 2 = Deleted 3 = Moved 4 = Retired
SourceOfChange		smallint	No	0 = Collector 1 = Field editor 2 = Collection server 3 = Managed 4 = Admin server 5 = Web Console
FieldId		int		Field ID from the data model.
FieldLabel		nvarchar(50)		Field name label from the data model.
Value1		nvarchar(255)		Old value that was changed.
Value2		nvarchar(255)		New value.
CreateDate		datetime	No	Date that the change was entered in the database.

Column	Key	Type	Null	Description
WorkstationOID	FK	binary(16)	No	Reference to the workstation changed.

2.41 NC_WkstnReconcileData Table

The NC_WkstnReconcileData table contains data reconciliation data.

Column	Key	Type	Null	Description
WkstnReconcileDataOID	PK	binary(16)		Internal ID number used as a primary key.
ReconcileData		nvarchar(38)		Data upon which reconciliation is based.
ReconcileType		smallint		The type of reconciliation that is performed.
IsNovell		smallint		1 if this is a Novell-defined product, else 0.
InstanceVer		int		

