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## Genesys Info Mart Physical Data Model for an Oracle Database

Table RESOURCE\_

# Table RESOURCE\_

## Description

**Modified:** 8.5.003 (in Oracle, fields with VARCHAR data types use explicit CHAR character-length semantics)

In partitioned databases, this table is not partitioned.

This table allows facts to be described based on the attributes of the associated resource; routing points, queues, IVRs, and agents are all resources. Each row describes one resource. A new row is issued for each configured DN--such as routing point, queue DN, position, extension, IVR DN, and agent--identified by its ID in the contact center configuration. The subtype column specifies the media-specific DN type, while the type column recasts the media-specific DN type as a media-neutral type. For example, External Routing Point, Routing Point, Routing Queues, Service Numbers, and Virtual Routing Point DNs are all considered Routing Points; ACD Queue is considered a Queue. For Genesys eServices/Multimedia, Script objects that represent Interaction Queues and Workbins are considered Queues; Script objects that represent Routing Strategies are considered Routing Points.

Deleting a script, routing point, queue, or another DN and re-creating it under the same name causes a new row to be issued. Changing agent attributes--such as last name, first name, and employee ID--causes an update to an existing row. Deleting an agent and re-creating it with the same attributes causes a new row to be issued.

Note: The Genesys Info Mart ETL does not populate the EXTERNAL\_RESOURCE\_ID and IVR\_NAME columns.

### Tip

To assist you in preparing supplementary documentation, click the following link to download a comma-separated text file containing information such as the data types and descriptions for all columns in this table: [Download a CSV file](#).

**Hint:** For easiest viewing, open the downloaded CSV file in Excel and adjust settings for column widths, text wrapping, and so on as desired. Depending on your browser and other system settings, you might need to save the file to your desktop first.

## Column List

## Legend

Column	Data Type	P	M	F	DV
RESOURCE_KEY	NUMBER(10)	X	X		
TENANT_KEY	NUMBER(10)		X	X	
CREATE_AUDIT_KEY	NUMBER(19)		X	X	
UPDATE_AUDIT_KEY	NUMBER(19)		X	X	
SWITCH_DBID	NUMBER(10)				
SWITCH_NAME	VARCHAR2(255 CHAR)				
IVR_NAME	VARCHAR2(255 CHAR)				
RESOURCE_TYPE	VARCHAR2(255 CHAR)				
RESOURCE_TYPE_CODE	VARCHAR2(32 CHAR)				
RESOURCE_SUBTYPE	VARCHAR2(255 CHAR)				
RESOURCE_NAME	VARCHAR2(255 CHAR)				
AGENT_FIRST_NAME	VARCHAR2(64 CHAR)				
AGENT_LAST_NAME	VARCHAR2(64 CHAR)				
EMPLOYEE_ID	VARCHAR2(255 CHAR)				
EXTERNAL_RESOURCE_ID	VARCHAR2(255 CHAR)				
RESOURCE_CFG_DBID	NUMBER(10)				
RESOURCE_CFG_TIME	NUMBER(10)				
RESOURCE_ALIAS	VARCHAR2(255 CHAR)				
NETWORK_RESOURCE_ID	NUMBER(1)				
GMT_START_TIME	TIMESTAMP(3)				
GMT_END_TIME	TIMESTAMP(3)				
PURGE_FLAG	NUMBER(1)				

## RESOURCE\_KEY

The surrogate key that is used to join the RESOURCE\_ dimension table to the fact and aggregate tables.

## TENANT\_KEY

The surrogate key that is used to join the TENANT dimension table to the fact tables.

## CREATE\_AUDIT\_KEY

The surrogate key that is used to join to the CTL\_AUDIT\_LOG control table. The key specifies the lineage for data creation. This value can be useful for aggregation, enterprise application integration (EAI), and ETL tools—that is, applications that need to identify newly added data.

## UPDATE\_AUDIT\_KEY

The surrogate key that is used to join to the CTL\_AUDIT\_LOG control table. The key specifies the lineage for data update. This value can be useful for aggregation, enterprise application integration (EAI), and ETL tools—that is, applications that need to identify recently modified data.

## SWITCH\_DBID

The database identifier assigned to the switch by Configuration Server (the DBID of the switch), for the switch identified in the SWITCH\_NAME field.

## SWITCH\_NAME

The switch name on which the queue, routing point, or IVR DN is configured. It provides a natural hierarchy for queues, routing points, or IVR DNs that are configured on the same switch.

## IVR\_NAME

The IVR name on which the IVR DN is configured. It provides a natural hierarchy for IVR DNs that are configured on the same IVR.

## RESOURCE\_TYPE

The resource type. This field is set to one of the following values:

- Unknown
- Agent
- Queue
- RoutingPoint
- IVRApplication

## Table RESOURCE\_

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- IVRPort
- Other

This value can change with localization.

## RESOURCE\_TYPE\_CODE

The code of the resource type. This field is set to one of the following values:

- UNKNOWN
- AGENT
- QUEUE
- ROUTINGPOINT
- IVRAPPLICATION
- IVRPORT
- OTHER

This value does not change with localization.

## RESOURCE\_SUBTYPE

**Modified:** 8.5.003.17 (new value, Person, added for the Agent resource type)

The detailed resource type. Click the plus sign to see a listing of permissible values.

The following list of permissible values presents the resource subtypes in the following format:

- **RESOURCE\_TYPE**  
RESOURCE\_SUBTYPE
- **Unknown**  
Unknown
  - VirtualRoutingPoint
  - ExternalRoutingPoint
- **Agent**  
Agent
  - ServiceNumber
  - Person
    - RoutingQueue
    - RoutingStrategy
- **Queue**  
ACDQueue
  - VirtualQueue
  - InteractionQueue
  - InteractionWorkBin
- **RoutingPoint**  
RoutingPoint
  - **IVRApplication**
    - UnknownDNType
    - Extension
    - ACDPosition
    - VoiceTreatmentPort
    - VoiceMail

Table RESOURCE\_

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MobileStation	RoutingPoint
CallProcessingPort	VirtualQueue
FAX	VirtualRoutingPoint
Modem	VoiceTreatmentPort
MusicPort	VoiceMail
Trunk	CallProcessingPort
TrunkGroup	FAX
TieLine	Modem
TieLineGroup	MusicPort
Mixed	Trunk
NetworkDestination	TrunkGroup
ServiceNumber	TieLine
CommunicationDN	TieLineGroup
E-mailAddress	Mixed
VoiceOverIPPort	ExternalRoutingPoint
	NetworkDestination
	ServiceNumber
	RoutingQueue
	CommunicationDN
	E-mailAddress
	VoiceOverIPPort
	VideoOverIPPort
	Chat
	CoBrowse
	VoiceOverIPService
	Workflow
	AccessResource
<b>• IVRAApplication (continued)</b>	
VideoOverIPPort	
Chat	
CoBrowse	
VoiceOverIPService	
Workflow	
AccessResource	
<b>• Other</b>	
UnknownDNType	
Extension	
ACDPosition	
ACDQueue	

## RESOURCE\_NAME

The resource name, such as any of the following:

- The routing point or queue directory number
- The IVR application name
- The IVR directory number
- The multimedia interaction queue
- The workbin
- The routing strategy name
- The user name of the agent as specified in the Person object's properties in the Configuration Database

## AGENT\_FIRST\_NAME

If the resource is an agent, this value is the first name of the agent, as specified in the Person object's properties in the Configuration Database. Otherwise, the value is null.

## AGENT\_LAST\_NAME

If the resource is an agent, this value is the last name of the agent, as specified in the Person object's properties in the Configuration Database. Otherwise, the value is null.

## EMPLOYEE\_ID

The employee ID of an agent resource, as it appears in the contact center configuration.

## EXTERNAL\_RESOURCE\_ID

The employee ID of an agent, as it appears in an external human resource application. It enables Genesys Info Mart tables to be joined to external data mart tables. This field is reserved for future use.

## RESOURCE\_CFG\_DBID

The database identifier for the routing point, queue, IVR DN, or agent object in the contact center configuration.

Note: In a deployment with SIP Cluster solution, Genesys Info Mart generates an internal ID to populate this field for a DN resource that does not have a corresponding configuration object.

## RESOURCE\_CFG\_TYPE\_ID

The contact center configuration integer type that is associated with the routing point, queue, IVR DN, or agent object.

Note: In a deployment with SIP Cluster solution, Genesys Info Mart sets this field to 0 (zero) for a DN resource that does not have a corresponding configuration object.

## RESOURCE\_ALIAS

Contains the DN's alias, as specified in contact center configuration if this resource is a DN. Otherwise, this field is null.

## NETWORK\_RESOURCE\_FLAG

Indicates whether the data-supplying resource is a premise T-Server or a network T-Server: 0 = Premise, 1 = Network.

## GMT\_START\_TIME

The GMT-equivalent date and time at which the resource was added to IDB, which can differ from the date and time at which the resource was actually added to contact center configuration.

## GMT\_END\_TIME

The GMT-equivalent date and time at which the resource was removed from contact center configuration.

## PURGE\_FLAG

This field is reserved.

## Index List

CODE	U	C	Description
IDX_RES_CFG_DBID	X		Reserved.
IDX_RES_TYPE_CODE			Improves access time, based on the code for the resource type.
I_RES_KEY_CFG_DBID	X		Reserved.



## Index IDX\_RES\_CFG\_DBID

Field	Sort	Comment
RESOURCE_CFG_DBID	Ascending	
RESOURCE_CFG_TYPE_ID	Ascending	

## Index IDX\_RES\_TYPE\_CODE

Field	Sort	Comment
RESOURCE_TYPE_CODE	Ascending	

## Index I\_RES\_KEY\_CFG\_DBID

Field	Sort	Comment
RESOURCE_KEY	Ascending	
RESOURCE_CFG_DBID	Ascending	
RESOURCE_CFG_TYPE_ID	Ascending	

## Subject Areas

- **Contact\_Attempt** — Represents outbound campaign contact record attempts. An attempt may or may not include dialing.
- **Interaction\_Resource** — Represents a summary of each attempt to handle an interaction. It encompasses the mediation process that is required to offer the interaction to a target handling resource, as well as the activities of that target handling resource.
- **Interaction\_Resource\_State** — Allows facts to be described by the state of the associated agent resource. Each row describes one distinct media-specific agent state.
- **Mediation\_Segment** — Represents interaction activity from the perspective of contact center ACD queues, virtual queues, interaction queues, and interaction workbins, as well as groups thereof.
- **Resource\_Group** — Represents the membership of contact center resources among resource groups.
- **Resource\_Skill** — Represents the skill resumes of agent resources.
- **Summary\_Resource\_Session** — Represents agent resource media sessions from login to logout, summarized to the media type.
- **Summary\_Resource\_State** — Represents agent resource states, summarized to the media type.
- **Summary\_Resource\_State\_Reason** — Represents agent resource state reasons, summarized to the media type.