

Vocera Analytics Database Schema Guide

Version 1.1.0



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How Vocera Analytics Works

Vocera Analytics provides real-time data analysis, trends, dashboards, and reports to customers along with the capability to customize reports, trigger outbound communications based on a rule set and timed distribution of offline reports. Vocera Analytics capture various components that comprise the system and communication between them.

Vocera Analytics architecture consists of the following layers:

- Data Generation
- Ingestion
- Processing Framework
- Facts Persistence
- Visualization

The following figure shows the architecture of Vocera Analytics.

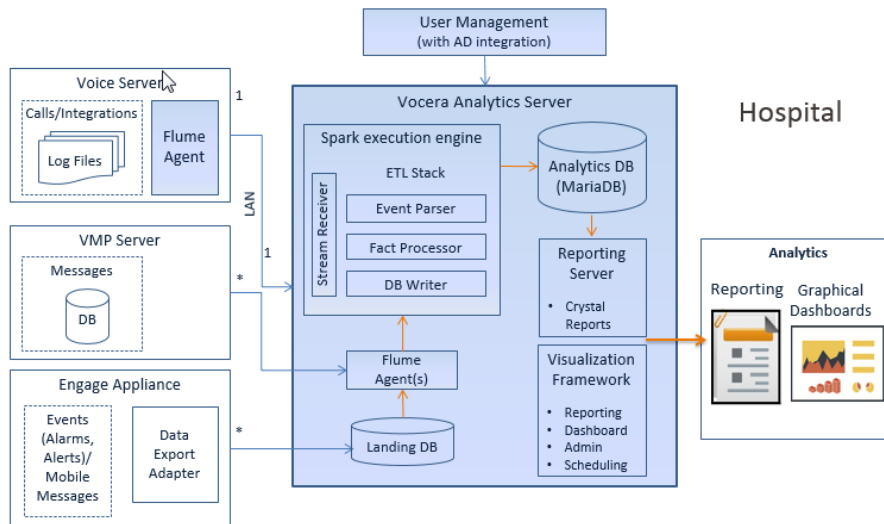




Figure 1: Vocera Analytics Architecture

Supported Vocera Products

Vocera Analytics supports the following products:

Product	Version
Engage Platform	5.5 and later with EMDAN version 1.10.
Vocera Messaging Platform	<ul style="list-style-type: none">• 5.2.2• 5.2.3• 5.3 <div> Note: VMP 5.3 Archive Tables is not supported.</div> <div> Note: Vocera Analytics supports SQL Server 2012 and 2014 versions only. Vocera Analytics does not support SQL Server 2008, 2016, and 2017 versions for VMP agent.</div>
Vocera Platform	6.0 with EMDAN version 2.0
Vocera Voice Server	<ul style="list-style-type: none">• 4.4.4• 5.1• 5.2.1• 5.2.2• 5.2.3• 5.3• 5.3.1

Hardware Requirements

This section describes the hardware requirements and the performance expectations for Vocera Analytics.

Hardware Details


The size of your server normally depends on the number of users and the number of beds at your site. The requirements vary for small, medium, and large servers.


The following table captures the hardware requirement for small, medium, and large Vocera Analytics servers. For more information, refer to [Customer Deployment Sizing](#) on page 10.


Requirement	Small	Medium	Large
Memory	32 GB	64 GB	128 GB
CPU	Octa Core	Octa Core	12 Core
Disk Space	500 GB HDD (per year) with SSD Cache	1 TB HDD (per year) with SSD Cache	2 TB HDD (per year) with SSD Cache
Operating System	Windows Server 2016	Windows Server 2016	Windows Server 2016
Browser Support	Internet Explorer 11, Firefox v57 or later, Safari 10+ or later, Google Chrome v62 or later (JavaScript must be enabled)		
Database Provided	MariaDB (MySQL)	MariaDB (MySQL)	MariaDB (MySQL)

The following table lists the Voice Server hardware (RAM) requirements for small, medium, and large Vocera Analytics servers.

Requirement	Small	Medium	Large
RAM Additions for Voice Server	2 GB	2 GB	4 GB

 **Note:** For Voice Servers in cluster mode, ensure RAM additions are done on all the nodes.

 **Note:** Vocera Analytics does not support memory oversubscription.

 **Note:** To run properly, the Vocera Analytics Agent running on a Vocera Voice Server (VS) will require 2 GB of RAM when interacting with a small or medium Vocera Analytics Server database and 4 GB of RAM when interacting with a large Vocera Analytics Server database. If the VS does not have sufficient memory to meet the mandated minimum memory for the VS plus the needs of the Vocera Analytics Agent, memory will need to be added to the VS. For example, a VS running version 5.2.3 requires a minimum of 8 GB of RAM. If the Vocera Analytics Agent will be interacting with a large Vocera Analytics Server database requiring 4 GB of RAM, the server running the VS and the Vocera Analytics Agent must have a minimum of 8 + 4 or 12 GB of RAM installed. If it does not, sufficient RAM to meet or exceed the 12 GB requirement should be added. If the VS is running in a virtual environment, Memory Over Subscription is not supported and the Host Server should have sufficient physical RAM to support the memory allocated to the Guest Servers plus the Hypervisor.

Customer Deployment Sizing

The customer deployment sizing table helps you calculate the recommended deployment size and categorize the data parameters as a small, medium, and large deployment.

The following table displays the data parameters and the recommended deployment sizing:



Note:

- One month of data is displayed in 10-15 seconds for Reports and Dashboards.
- Data can be exported in 30-45 seconds.

Data Parameters	Small	Medium	Large
Vocera Voice Server Users	450	2000	5000-20000
VMP Users	200	3000	10000
Beds	293	500	1000
Engage Users	450 (225 per shift)	1000 (500 per shift)	2000 (1000 per shift)
Clinical Alarms	2200	5000	9500
Nurse Call Alerts	3200	11000	22000
Orders	400	1200	2400
Lab Alerts	24	75	150
VMI Messages	2000 messages/day	10000 messages/day	60000 messages/day
Calls Per Day	2000 calls/day	10000 calls/day	60000 calls/day
VCS Messages	9000 messages/day	40000 messages/day	400,000 messages/day

Database Schema Tables

Database Schema Tables is a complete list of the tables included in the database schema.

The Vocera Analytics database schema uses a fact/dimension model, defining **fact tables**, **dimension tables**, and **aggregated data tables**:

- Fact tables contain raw data and links to the dimension tables that refer to it.
- Dimension tables contain descriptive attributes or fields that are typically text fields or discrete numbers that behave like text.

The following prefixes are used in the database schema:

- **anl_**—Tables containing Engage data.
- **dim**— Dimension tables for Vocera Voice Server data.
- **dimvmp**—Dimension tables for VMP.
- **fct**— Fact tables for Vocera Voice Server data.
Facts tables sometimes contain dimension data which is used by reports and the dashboard to improve performance.
- **summary**—Summary tables containing Vocera Voice Server and VMP report data used in reports (the aggregated data for each day) and dashboards.
Report summary tables in Engage data have the prefix **anl_rpt_**.
- **v_**— Database views that are useful for report writers.
- **va***—Tables that start with **va*** are internal application tables. These tables should not be moved to EDW (Enterprise data warehouse) or used in custom reports.

Vocera Voice Server Dimension Tables

Dimension tables contain descriptive attributes (or fields) that are typically textual fields (or discrete numbers that behave like text). These tables will be used mostly for populating filter data.

dim_device_use_status

Dimension table pertaining to device use status. It is populated when Vocera Analytics is installed. Values from this table are used in Asset dashboards and reports.

Table 1: dim_device_use_status table

Column	Description	Example
Id	int Specifies the unique id for this device use status.	1
DeviceUseStatus	varchar Displays the device use status (for example: Active, Inactive, Needs Attention).	Active

dim_interrupttypes_detail

Specifies interrupt types one level down. This table is populated when Vocera Analytics is installed.

Table 2: dim_interrupttypes_detail table

Column	Description	Example
id	int Specifies the unique id.	5
Name	varchar Specifies the interrupt type name (for example, Alarms, Alerts, Messages).	Group
type	varchar The category of the interrupt type. For example, all interrupts that are call-related have an interrupt type of Calls.	Calls
isNotForGroup	bit Indicates whether the interrupt type is not defined for groups. Possible values are 0 (defined for groups) and 1 (not defined).	0

dimconversationtypes

Dimension table delivering details for voice conversation types. Examples include One to One, Group Chat, and Patient Linked.

Table 3: dimconversationtypes table

Column	Description	Example
id	tinyint The id for this conversation type.	
conversationTypeId	varchar Displays the conversation type id.	One to One
conversationType	varchar Displays the conversation type.	One to One

dimdevices

Dimension table delivering details for devices (badges) and smartphones on which the VCS client is installed. These details include the MAC address, serial number, label, status tracking time, owning group, site id, whether the device is shared, and the internal name.

Table 4: dimdevices table

Column	Description	Example
TenantID	int This field is for future use only, and is currently not defined.	
InternalName	varchar Displays the unique internal name of the device.	d-0009ef00009e
MACAddress	varchar Displays the MAC address of the device.	0009ef00009e
SerialNo	varchar Displays the serial number of the device.	A00983XA0400437
Label	varchar Displays the label if it exists.	SER-07-CG
Status	varchar Displays the device status (for example: Active, Secondary, Unregistered, Testing). If device management is not used, this status is always Unregistered.	Active
TrackingTime	varchar Displays the device tracking time.	2008-10-30
OwningGroup	varchar Displays the group that owns the device. This is populated from the Vocera Voice Server administration console's device management.	g-services
SiteId	varchar Displays the home site id for the device.	s-mysitename

Column	Description	Example
Shared	tinyint Displays 1 if the device is shared or else 0.	1
Notes	nvarchar Displays the device notes, if any.	John Smith testing badge
Color	varchar Displays color of badge. Applies to badges only.	
LastUpdateDate	timestamp Displays the date and time that the device was last updated.	2018-01-01 19:15:47
DeviceVersion	varchar Displays the device version.	B1000
DeviceType	varchar Displays the device type.	Badge
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

dimdevicestatus

Dimension table delivering details on device status. This table is populated from the Vocera Voice Server.

Table 5: dimdevicestatus table

Column	Description	Example
id	int Displays the unique id for this device status.	3
DeviceStatus	varchar Displays the device status (for example: Unregistered, Active, Lost, Sent for Repair).	Active

dimdevicetypes_generic

Dimension Table delivering device type details in more generic form.

Table 6: dimdevicetypes_generic table

Column	Description	Example
id	varchar Displays the id for this device type.	badge
name	varchar Displays the device type name.	Badge
is_for_calls	bit Displays 1 if this device type can be used in calls, or 0 otherwise.	1
is_for_messages	bit Displays 1 if this device type can be used in messages, or 0 otherwise.	1
is_source	bit Displays 1 if devices of this type can be source devices, or 0 otherwise.	1
is_target	bit Displays 1 if devices of this type can be target devices, or 0 otherwise.	1

dimgroups

Dimension table delivering group details, including hierarchy details and alias group names. Vocera Voice Server groups, departments, and sub-departments are populated in this table.

Table 7: dimgroups table

Column	Description	Example
TenantId	int This field is for future use only, and is currently not defined.	
GroupId	varchar Displays the unique group id.	g-1201
GroupName	varchar Displays the group name.	1201
GroupType	varchar Displays the group type: Ordinary, Department, or Others.	Ordinary
GroupScheduleType	varchar Displays the group schedule type: Sequential or Others.	Sequential
Site	varchar Displays the internal site id of the group.	s-mysitename
MemberDomainGroup	varchar Displays the Vocera Voice Server internal group id for the domain member.	g-nurses
DeviceManagerGroup	varchar Displays the Vocera Voice Server internal group id for the device manager.	g-nursing_management
ManagerGroup	varchar Displays manager group details.	g-manager
AliasGroupName	varchar Displays the alias (anonymous) group name.	Tech Support
SpokenMemberGroupName	varchar Displays the group name of the user who has spoken for the required event.	A Technical Support Engineer
Department	varchar Not in use in this version.	
CostCenters	varchar Stores a value that identifies the group's cost center (typically used for accounting purposes).	
LastUpdateDate	timestamp Displays the date and time that the group was last updated.	2018-01-01 19:16:13
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

dimgroupsusers

Dimension table delivering detailed associativity for users to groups.

Table 8: dimgroupsusers table

Column	Description	Example
id	int Displays the unique id.	6
TenantId	int This field is for future use only, and is currently not defined.	
GroupId	varchar Displays the internal Vocera Voice Server group id.	g-safety0

Column	Description	Example
UserName	varchar Displays the internal Vocera Voice Server user id.	u-jsmith
LastUpdateDate	timestamp Displays the date and time that the users in the group were last updated.	2018-01-01 19:16:37
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

dimgroupsdepartments

Dimension table delivering detailed associativity between group and department.

Table 9: dimgroupsdepartments table

Column	Description	Example
id	int Specifies the unique id.	7
TenantId	int This field is for future use only, and is currently not defined.	
GroupId	varchar Displays the Vocera Voice Server internal group id.	g-2100_nurse
DepartmentId	varchar Displays the unique department id.	g-2100
LastUpdateDate	timestamp Displays the date and time that the group department was last updated.	2017-12-13 19:24:17
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

diminterrupttypes

Specifies the interrupt types.

Table 10: diminterrupttypes table

Column	Description	Example
id	int Displays the interrupt id.	1
interruptTypes	varchar Displays the interrupt type (for example: Alarms, Alerts, Calls, Messages).	Alarms

dimlicenseinfo

Table for storing Vocera Voice Server license information.

Table 11: dimlicenseinfo table

Column	Description	Example
TenantId	int This field is for future use only, and is currently not defined.	
BatchId	int This field is for future use only, and is currently not defined.	
Product	varchar Displays the product version.	VS5
LicenseNumber	int Displays the license number. This field is not currently in use.	

Column	Description	Example
Users	int Displays the number of Vocera Voice Server users.	
Logins	int Displays the number of logins.	30000
SpeechPorts	int Displays the number of speech ports.	96
AnalogLines	int Displays the number of Vocera Voice Server analog lines. This field is not currently in use.	
DigitalLines	int Displays the number of Vocera Voice Server digital lines. This field is not currently in use.	
Languages	int Displays the number of Vocera Voice Server languages. This field is not currently in use.	
VMI	int Displays the VMI count. This field is not currently in use in Vocera Analytics.	
Dictation	varchar Displays the dictation count. This field is not currently in use in Vocera Analytics.	
Devices	int Displays the Vocera Voice Server device count. This field is not currently in use in Vocera Analytics.	
PhoneAccess	int Displays the Vocera Voice Server phone access count. This field is not currently in use in Vocera Analytics.	
Apps	varchar Displays the available apps, and the count for each. This field is not currently in use in Vocera Analytics.	
VRS	int Displays the VRS count. This field is not currently in use in Vocera Analytics.	
Government	int Displays the government count. This field is not currently in use in Vocera Analytics.	
Expire	int Displays the license expiry date.	
CurrentUsers	int Displays the number of current active Vocera Voice Server users. This field is not currently in use in Vocera Analytics.	23666
CurrentLogins	int Displays the current active Vocera Voice Server logins. This field is not currently in use in Vocera Analytics.	
CurrentAnalogLines	int Displays the current analog lines used. This field is not currently in use in Vocera Analytics.	
CurrentDigitalLines	int Displays the current digital lines used. This field is not currently in use in Vocera Analytics.	
CurrentDictation	int Displays the current Vocera Voice Server dictation. This field is not currently in use in Vocera Analytics.	
CurrentDevices	int Displays the current active devices on Vocera Voice Server. This field is not currently in use in Vocera Analytics.	

Column	Description	Example
CurrentPhoneAccess	int Displays the current Vocera Voice Server phone access. This field is not currently in use in Vocera Analytics.	
CurrentApps	varchar Displays the current Vocera Voice Server apps.	
CurrentAppUsers	varchar Displays a count of the current Vocera Voice Server app usage. This field is not currently in use in Vocera Analytics.	VB0+UC0
LastUpdateDate	timestamp Displays the last update date of the license information.	2017-12-05 23:49:50

dimlocationaccesspoints

Dimension table delivering details on the location of access points.

Table 12: dimlocationaccesspoints table

Column	Description	Example
TenantId	int This field is for future use only, and is currently not defined.	
LocationId	varchar Displays the internal location id for the access point.	1-3rd_floor_qa
AccessPoint	varchar Displays the access point address.	001e4abe3e10
LastUpdateDate	timestamp Displays the last update date of the location access points.	2018-01-01 19:16:48
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

dimlocations

Dimension table delivering location details.

Table 13: dimlocations table

Column	Description	Example
TenantId	int This field is for future use only, and is currently not defined.	
LocationId	varchar Displays the location id for the element/device. To get access points for a location, perform a join operation with the LocationId column of the dimlocationaccesspoints table.	1-3rd_floor_qa
LocationName	varchar Displays where the element/device is being operated.	3rd Floor QA
SiteId	varchar Displays the internal site id for the location.	s-mysitename
LastUpdateDate	timestamp Displays the last update date of the location access point.	2018-01-01 19:16:25
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

dimschedulererrors

Dimension table delivering the id and name of the error categories that may occur in the report scheduler.

Table 14: dimschedulererrors table

Column	Description	Example
Id	int Displays the unique id.	3
Name	varchar Displays the error category name.	Report Invocation

dimseverity

Dimension table delivering the severity type of Vocera Voice Server interrupts.

Table 15: dimseverity table

Column	Description	Example
ID	int Displays the unique id.	1
SeverityType	varchar Displays the severity/priority type (normal, high, urgent).	high

dimsites

Dimension table delivering information on Vocera Voice Server sites.

Table 16: dimsites table

Column	Description	Example
TenantId	int This field is for future use only, and is currently not defined.	
SiteId	varchar Displays the internal Vocera Voice Server site id.	s-mysitename
SiteName	varchar Displays the site name.	My Site Name
PanicGroup	varchar Displays the panic group (emergency) id.	g-panic_group
TimeZone	varchar Displays the time zone of the site.	
LastUpdateDate	timestamp Displays the last update date for the site.	2018-01-01 19:16:48
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

dimunansweredreason

Dimension Table delivering the list of all reasons that a call interruption can be left unanswered.

Table 17: dimunansweredreason table

Column	Description	Example
id	int Displays the unanswered reason id.	call rejected
name	varchar Displays the unanswered reason name.	Call Rejected

dimusers

Dimension table delivering detailed associativity for Vocera Voice Server user details.

Table 18: dimusers table

Column	Description	Example
TenantId	int This field is for future use only, and is currently not defined.	
UserId	varchar Displays the internal Vocera Voice Server user id.	u-jsmith
UserName	varchar Displays the user name.	JSmith
FirstName	varchar Displays the user's first name.	John
LastName	varchar Displays the user's last name.	Smith
SiteId	varchar Displays the internal Vocera Voice Server site id. This is the home site for the Vocera Voice Server user.	s-mysitename
UserType	varchar Displays user type (for example: Ordinary User, Address Book Entry).	Ordinary User
ConferenceGroup	varchar Displays the conference group id.	g-tech_support
CostCenters	varchar Displays the cost centers for the user.	401533
LastUpdateDate	timestamp Displays the last update date for the user.	2017-12-18 11:04:43
AddressBookType	varchar Displays whether address book is a place or a person.	
DeskPhone	varchar Displays the desk phone number of the user.	888-555-1212
CellPhone	varchar Displays the cell phone number of the user.	888-555-1212
HomePhone	varchar Displays the home phone number of the user.	888-555-1212
Owner	varchar Displays the owner of the user.	u-jsmith
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

dimusersbuddies

Dimension table delivering details on Vocera Voice Server users and their buddies, which are the users frequently called by each user in the table.

Table 19: dimusersbuddies table

Column	Description	Example
TenantID	int This field is for future use only, and is currently not defined.	
UserName	varchar Displays the internal Vocera Voice Server user id.	u-jsmith
BuddyName	varchar Displays the internal Vocera Voice Server buddy id.	u-jdoe
BuddyNickName	varchar Displays the buddy nickname.	John Doe

Column	Description	Example
LastUpdateDate	timestamp Displays the last update date for user buddies.	2017-12-05 23:46:55
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

dimusersdepartments

Dimension table delivering information on Vocera Voice Server users associated with departments.

Table 20: dimusersdepartments table

Column	Description	Example
TenantID	int This field is for future use only, and is currently not defined.	
UserName	varchar Displays the internal Vocera Voice Server user id.	u-jsmith
Department	varchar Displays the internal Vocera Voice Server group id.	g-nursing_administration
LastUpdateDate	timestamp Displays the last update date of the user department.	2018-01-01 19:15:22
DeletedFlag	tinyint Displays 1 if deleted or else 0.	0

dimvmclients

Stores the VMI client ids.

This table is pre-populated with values for VMP and Engage. The events/alerts for these clients will not be considered for VMI alerts reports and dashboards.

Table 21: dimvmclients table

Column	Description	Example
Id	int Displays the unique id.	1
ClientId	varchar Displays the client id (for example: VMP, Engage).	VMP

dimvmresponse

Information on VMI responses.

This table is pre-populated with values that are considered as accepted Alerts. If you want any other responses to be considered as Accepted, add them here.

Table 22: dimvmresponse table

Column	Description	Example
AcceptResponses	varchar The accept responses.	ok
RejectResponse	varchar The reject response. Not in use in this release.	

Vocera Voice Server Fact Tables

These tables contain Vocera Voice Server data.

dnd

Stores data about device DND activity to the Vocera system.

Table 23: dnd table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date.	1507548410702
TxDateTime	date Stores the date and time of an event, accurate to the second.	2017-10-09 04:26:50
TxDate	date Stores the date of an event, accurate to the day.	2017-10-09
UserID	varchar Specifies the user ID of the person who made the change. This value corresponds to a User ID specified via the Administration Console or the User Console on the Vocera Server, unless the user logged in with the built-in login ID Administrator.	jsmith
UserSite	varchar In a multi-site installation, the UserSite column specifies the Vocera site with which the user is associated. In a single-site installation, this value is null.	My Site Name
DND	int Specifies whether the user has turned DND on (1) or off (0).	1
UserUID	varchar Specifies the Vocera Voice Server internal user id.	u-jsmith
UserDisplayName	varchar Specifies the user display name (LastName, FirstName) of the person who made the change. This value corresponds to a User lastname, firstname specified via the Administration Console or the User Console on the Vocera Voice Server, unless the user logged in with the built-in login ID Administrator.	Smith, John
UserDepartments	varchar Specifies the departments with which the user is associated.	

fctactionsongroup

Stores data about adding or removing users from a group.

Table 24: fctactionsongroup table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date.	1512166469296
TxDateTime	datetime Stores the date and time of an event, accurate to the second.	2017-12-01 14:14:29
TxDate	date Stores the date of an event, accurate to the day.	2017-12-01
UserType	varchar Specifies which type of user initiated the group action. Example values: User, Phone.	User

Column	Description	Example
UserID	varchar Specifies the user ID of the person who initiated the group action. This value corresponds to a User ID specified via the Administration Console or the User Console on the Vocera Voice Server.	jsmith
UserSite	varchar In a multi-site installation, the UserSite column specifies the Vocera site with which the user is associated. In a single-site installation, this value is null.	MyRemoteLocation
Operation	varchar Specifies the operation, either AddToGroup or RemoveFromGroup.	AddToGroup
GroupName	varchar Specifies the Vocera group to which the party was added or from which the party was removed.	MyGroupName
GroupSite	varchar In a multi-site installation, the GroupSite column specifies the Vocera site associated with the group to which the party was added or removed to/from. In a single-site installation, this value is null.	MyGroupSiteLocation
PartyID	varchar Specifies the user ID of the party (person/entity) who was added or removed to/from the group. This value corresponds to a User ID specified via the Administration Console or the User Console on the Vocera Voice Server.	jsmith
PartySite	varchar In a multi-site installation, the UserSite column specifies the Vocera site with which the party is associated. In a single-site installation, this value is null.	MyPartySiteLocation
IdGenie	bigint An integer that identifies a Genie session. A single Genie session may comprise several events. For example, a Genie session for a badge-to-badge call may include the "Vocera" prompt played on the calling party's badge and the "Can you talk to ..." prompt played on the caller's badge.	125
modifierDisplayName	varchar Specifies the user Display Name of the person who initiated the group operation. This value corresponds to a LastName, FirstName pair specified via the Administration Console or the User Console on the Vocera Voice Server.	Smith, John
modifierUID	varchar Specifies the Vocera Voice Server internal user id of the person who initiated the "add to group" or "remove from group" operation.	u-jsmith
groupId	varchar Specifies the Vocera internal group ID to which the party was added, or from which the party was removed.	g-qa
partyUID	varchar Specifies the Vocera Voice Server of the party who was added to or removed from the group.	u-jdoe
partyDisplayName	varchar Specifies the user Display Name of the party who was added to or removed from the group. This value corresponds to a LastName,FirstName specified via the Administration Console or the User Console on the Vocera Server.	Doe, Jane
modifierUserDepartments	varchar Specifies the comma-separated list of modifier user departments.	g-dietary
modifiedGroupDepartments	varchar Specifies the comma-separated list of modified group departments.	

fctaudit

Stores data about changes made to the Vocera system.

Table 25: fctaudit table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date.	1507550401992
TxDateTime	datetime Stores the date and time of an event, accurate to the second.	2017-10-09 05:00:01
TxDate	date Stores the date of an event, accurate to the day.	2017-10-09
UserID	varchar Specifies the user ID of the person who made the change. This value corresponds to a User ID specified via the Administration Console or the User Console on the Vocera Server, unless the user logged in with the built-in login ID Administrator, in which ca	JSmith
UserSite	varchar In a multi-site installation, the UserSite column specifies the Vocera site with which the user is associated. In a single-site installation, this value is null.	MyUserSite
LoginId	varchar Specifies the login ID of the person who made the change. This value corresponds to a User ID specified via the Administration Console or the User Console on the Vocera Server, unless the user logged in with the built-in login ID Administrator.	JSmith
Operation	varchar Specifies the operation that changed the Vocera database. Sample values include: Backup, Update, Create, and Update Conference Group.	Login Admin Console
ModifiedEntityType	varchar Specifies the type of the entity that was changed. Sample values include: AddrBook, Group, and User.	Site
ModifiedEntityID	varchar Identifies the entity that was changed. For a user, the value is the user ID. For a group, the value is the group name. For an address book entry, the value is the address book entry name. If the Vocera database was not changed, for example, when a Backup	JSmith
userUId	varchar Specifies the Vocera Voice Server internal user id of the person who made the change.	u-jsmith
userDisplayName	varchar Specifies the user Name (LastName,FirstName) of the person who made the change. This value corresponds to a User Name specified via the Administration Console or the User Console on the Vocera Server, unless the user logged in with the built-in login ID Administrator, in which ca	Smith, John
modifiedEntityUId	varchar Specifies the Vocera Voice Server internal id of the entity changed.	u-jsmith
modifiedDisplayName	varchar Identifies the entity that was changed. For a user, the value is the user Lastname,User first Name. For a group, the value is the group name. For an address book entry, the value is the address book entry name. If the Vocera database was not changed, for example, when a Backup	Smith, John
modifiedEntitySite	varchar Specifies the Vocera site with which the modified entity is associated.	MyEntitySite
groupDepartment	varchar Displays the comma-separated Vocera Voice Server internal department ids of the group. This field is populated only if ModifiedEntityType is set to Group.	g-group_one

Column	Description	Example
userDepartments	varchar Displays a comma-separated list of the user's Vocera Voice Server internal department ids.	g-group_one,g-engineering
groupMembers	varchar Displays a comma-separated list of the Vocera Voice Server internal ids of the members of the group. This field is populated only if ModifiedEntityType is set to Group.	u-jsmith,u-jdoe

ftcalls

Fact table delivering detailed insight on calls.

Table 26: ftcalls table

Column	Description	Example
TenantID	int This field is for future use only, and is currently set to 0.	
TenantName	varchar This field is for future use only, and is currently set to blank.	
CallerDeviceID	varchar Displays the MAC address of the calling device. For telephone calls, this may be the name or extension of the caller.	ddd01fbf328c
CallerDeviceType	varchar Displays the device type.	Android
CallerDeviceVersion	varchar Displays the device version.	Android VCS
CallerId	varchar Displays the internal Vocera Voice Server caller user id. If the caller is a telephone or extension, this displays the calling number.	u-jsmith
CallerName	varchar Displays the caller name specified in the Vocera Voice Server. For a telephone, this displays the calling number.	JSmith
CallerDisplayName	varchar Displays the caller display name in "Lastname, Firstname" format. For a telephone, this displays the calling number.	Smith, John
CallerUserSite	varchar Displays the user home site of the caller.	MyCallerSite
CallType	varchar Displays the call type (for example: Unicast, Multicast).	Unicast
CallToType	varchar Displays the entity that the call is going to (for example: Address Book, Broadcast, Buddy, Group, Telephone, User).	Address Book
CallId	bigint Displays the call id.	85390967418
PartyNumber	int When calling to a group, this field displays the order in which members of the group are called. The first member called will have a party number of 1, the second will be 2, and so on.	1
LastParty	tinyint Indicates whether this group member being called is the last party involved in a group call. Set to 1 if the user is last party involved. For others, it will be set to 0. If CallToType is Broadcast this will be set to 0 for all users. If CallToType is User, it will be 1.	0
ReceiverDeviceId	varchar The MAC address of the receiver. In telephone calls, this can be the name or extension number.	0009ef345661

Column	Description	Example
ReceiverDeviceType	varchar Displays the device type for the receiver.	Badge
ReceiverDeviceVersion	varchar Displays the device version for the receiver.	B3000N
ReceiverId	varchar Displays the receiver userid.	u-jsmith
ReceiverName	varchar Displays the receiver user name specified in the Vocera Voice Server.	JSmith
ReceiverDisplayName	varchar Displays the display name for the receiver in the format "Lastname, Firstname".	Smith, John
ReceiverUserSite	varchar Displays the user home site for the receiver.	MyReceiverSite
ReceiverGroupId	varchar Displays the internal group id for the receiver. This field is used in group calls and multicasts only.	g-engineering
ReceiverGroupName	varchar Displays the group name for the receiver. This field is used in group calls and multicasts only.	Engineering
CallDurationSS	int Displays the call duration in seconds.	92
TalkingDurationSS	int Displays the talking duration in seconds, or null if there was no talking in the call.	89
DialingDuration	int Displays the dialing duration. This field is currently not used in any dashboards.	
InitiatedAcceptedDuration	int Displays the initiation accepted duration in seconds.	2
InitiatedAt	timestamp Displays the date and time on which the call was initiated.	2017-11-17 17:12:53
StartedAt	timestamp Displays the date and time at which the server interrupted the user.	2017-11-17 17:12:54
ReachedAt	timestamp Displays the date and time at which the receiver was reached. This is normally the time in the <i>InitiatedAt</i> field plus the number of seconds specified in the <i>InitiatedAcceptedDuration</i> field.	2017-11-17 17:14:53
UnavailableAt	timestamp If the caller is unavailable or has rejected the call, the date and time at which the receiver was unavailable. If the caller is available, this field is null.	2017-11-17 17:14:53
UnavailableReason	varchar Displays the reason for unavailability. Examples: Call rejected, Not online. If the receiver is available, this field is set to Available .	Not online
AcceptedAt	timestamp The date and time at which the call was accepted. If the receiver was not available, this field is null.	2017-11-17 17:14:53
AbortedAt	timestamp If the call was aborted by the caller, the date and time at which this happened. If the call was not aborted, this field is null.	2017-11-17 17:14:53
AbortReason	varchar Displays the reason why the call was aborted.	Canceled
FinishedAt	timestamp The date and time at which the call was finished.	2017-11-17 17:14:53

Column	Description	Example
BatchId	int This field is for future use only, and is currently set to 0.	
RowCreatedTS	timestamp The date and time when this table row was created.	2017-12-06 00:16:35
RowUpdatedTS	timestamp The date and time when this table row was updated, or null if it has not been updated.	2017-12-06 00:16:35
Priority	varchar Specifies the call priority (for example: normal, urgent).	normal
TotalOnHoldCount	int Displays the number of times that the call was put on hold.	1
TotalOnHoldDuration	int Displays the total amount of on hold time in seconds.	13
CallerDeviceSite	varchar Displays the site of the caller device.	MyDeviceSite
CallerDeviceSerialNo	varchar Displays the serial number of the caller device.	K5EB16313222
ReceiverDeviceSite	varchar Displays the site of the receiver device.	MyReceiverSite
ReceiverDeviceSerialNo	varchar Displays the serial number of the receiver device.	H4AA15300EF4
DisconnectedAt	timestamp The date and time that the receiver disconnected the call or broadcast.	2017-12-06 00:16:35
CallerSite	varchar Displays the site where the caller placed the call or broadcast.	MyCallerSite
CallerAccessPoint	varchar Displays the caller access point.	707db95e2461
CallerLocation	varchar Displays the caller location.	Operations
CallerDepartments	varchar Displays a comma-separated list of caller department ids. Set to Unknown if the caller is not part of any department.	g-operations
ReceiverSite	varchar Displays the site where the receiver received the call.	MyReceiverSite
ReceiverAccessPoint	varchar Displays the receiver access point.	707db9767761
ReceiverLocation	varchar Displays the receiver location.	Engineering
ReceiverDepartments	varchar Displays a comma-separated list of receiver department ids. Set to Unknown if the receiver is not part of any department.	g-tech_support
ReceiverGroupDepartments	varchar For group calls and broadcasts, displays a comma-separated list of receiver group departments, or Unknown if there are no departments. For other calls, this is null.	g-tech_support

fctdeviceactivity

Fact table delivering detailed insight associated with device activity.

Table 27: fctdeviceactivity table

Column	Description	Example
TenantID	int This field is for future use only, and is currently set to 0.	
TenantName	varchar This field is for future use only, and is currently set to blank.	
DeviceOnlineSessionId	int A unique integer that identifies this device activity session.	
DeviceId	varchar Displays, as a hexadecimal number, the id of the device used by the user that is logging in.	ddd01fbf328e
DeviceType	varchar Displays the device type.	Android
DeviceVersion	varchar Displays the device version.	Android VCS
Site	varchar The name of the site where the device is currently located.	MySiteName
StartedAt	timestamp Displays the date and time at which the device activity started.	2017-11-18 09:04:11
FinishedAt	timestamp Displays the date and time at which the device activity ended.	2017-11-18 09:06:11
OnlineSeconds	int Displays the online duration time in seconds.	120
BatchId	int This field is for future use only, and is currently set to 0.	
RowCreatedTS	timestamp Displays the row creation timestamp.	2017-12-06 00:16:35
DeviceSite	varchar Displays the device's home site.	MyDeviceSite
DeviceSerialNo	varchar Displays, as a hexadecimal number, the device serial number.	H4ZK14300B7F
AccessPoint	varchar Displays, as a hexadecimal number, the site access point.	707db9767761
Location	varchar Displays the location of the site access point.	Second Floor
UserName	varchar Displays the Vocera Voice Server internal user id of the user who is using the device.	u-jsmith
PingState	varchar Displays the ping/UI state of the device. This can be either Active or Standby.	Standby
OwningGroupName	varchar Displays the name of the device owning group, or null if it does not exist.	Engineering
OwningGroupDepartments	varchar Specifies a comma-separated list of the internal department ids of the owning group. If the owning group is not assigned, this is null.	g-engineering
UserDisplayName	varchar Specifies the user display name in "Lastname, Firstname" format.	Smith, John
UserDepartments	varchar Specifies a comma-separated list of the user's internal department ids.	g-logistics

Column	Description	Example
UserSite	varchar Displays the user's home site.	MyUserSite
Label	varchar Displays the label that appears when the user performs an activity.	
Status	varchar Displays the device status.	Unregistered
TrackingTime	varchar Displays the device tracking time.	
Notes	nvarchar Displays notes about the device activity, if any.	Test Message
OwningGroupSite	varchar Displays the site name of the device's owning group, if any.	MyGroupSite
OwningGroupID	varchar Displays the internal group id of the device's owning group, if any.	g-engineering

fctdevicefirmware

Fact Table delivering detailed insight on firmware associated with the device.

Table 28: fctdevicefirmware table

Column	Description	Example
BatchId	int This field is for future use only, and is currently set to 0.	
TenantID	int This field is for future use only, and is currently set to 0.	
TenantName	varchar This field is for future use only, and is currently blank.	
EUID	varchar This field is for future use only.	
DeviceId	varchar Displays the device id.	0009ef116ac8
DeviceVersion	varchar Displays the device version.	B3000
FWVersion	varchar Displays the firmware version.	4.3.0.34
StartedAt	timestamp Displays the date and time at which the event started..	2017-11-17 16:37:36
RowCreatedTS	timestamp Displays the date and time at which the table row was created.	2017-12-05 23:42:17

fctdevicestatuschange

Fact table delivering detailed insight on device status changes.

Table 29: fctdevicestatuschange table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date.	1510749827261

Column	Description	Example
TxDateTime	datetime Stores the date and time of an event, accurate to the second.	2017-11-15 04:43:47
TxDate	date Specifies the date the device status was changed.	2017-11-15
DeviceID	varchar Specifies the device id as the device MAC address.	ddd01fbf328e
DeviceSite	varchar Specifies the home site to which the device is mapped.	MyDeviceSite
Status	varchar Specifies the device status.	Sent for Repair
Notes	text Specifies the notes that the user has entered.	Analytics testing
DeviceType	varchar Displays the device type.	iOS
DeviceVersion	varchar Displays the device version.	Apple VCS
OwningGroupID	varchar Displays the id of the group that owns the device.	g-engineering
OwningGroupSite	varchar Displays the site of the group that owns the device.	MyGroupSite
OwningGroupName	varchar Displays the name of the group that owns the device.	Engineering
SerialNo	varchar Displays the serial number of the device.	Analytics testing
Label	varchar The label for the device.	Vocera analytics

fcemailmessages

Fact table delivering detailed insight on information about email messages and their variables.

Table 30: fcemailmessages table

Column	Description	Example
TenantID	int This field is for future use only, and is currently not defined.	
StartedAt	timestamp Displays the date and time at which the email message was started.	2017-12-18 11:54:53
SenderName	varchar The name of the person who initiated the email message activity.	jsmith
SenderEmailId	varchar The email address of the person who initiated the email message activity.	jsmith@companyname.com
ReceiverType	varchar The receiver type (User or Group).	User
ReceiverId	varchar The internal id for the email message.	u-jsmith
Priority	varchar Specifies the priority name of the email message. Can be NORMAL or URGENT.	NORMAL
PriorityId	int Specifies the priority id of the email message. This can be 0 or 1.	0

Column	Description	Example
ReceiverSite	varchar The name of the receiver site for the email message.	MySiteName
receiverDisplayName	varchar The receiver display name for the email message.	Doe, Jane
groupDepartment	varchar Displays a comma-separated list of group departments.	
userDepartments	varchar Displays a comma-separated list of user departments.	
groupMembers	varchar Displays a comma-separated list of user internal IDs.	

fctgeniesession

Fact Table delivering detailed insight into Genie sessions.

Table 31: fctgeniesession table

Column	Description	Example
TenantId	int This field is for future use only, and is currently set to 0.	
TenantName	varchar This field is for future use only, and is currently blank.	
DeviceId	varchar Displays the device id.	0009ef31a31d
DeviceType	varchar Displays the device type.	Badge
DeviceVersion	varchar Displays the device version.	B3000N
UserName	varchar Displays the internal user id. If the device is a telephone, this is the phone number.	u-jsmith
UserDisplayName	varchar Displays the user display name if the device is not a telephone.	John Smith
Site	varchar Displays the site details for the device if it is not a telephone.	MySiteName
GlobalSessionId	varchar Displays the global session id.	
SessionId	int Displays the session id. This is useful for the Vocera support team when debugging.	
SpeechPort	int Displays the speech port address or number.	27
SpeechAttempt	int Displays the number of speech attempts.	
Result	varchar Displays the result - for example: No Match, Maxtime, Success.	No Match
SessionStartedAt	timestamp Displays the date and time at which the session was started.	2017-11-17 16:47:04
SpeechStartedAt	timestamp Displays the date and time at which speech was started.	2017-11-17 16:47:04
SpeechFinishedAt	timestamp Displays the date and time at which speech was finished.	2017-11-17 16:47:04

Column	Description	Example
SpeechRecognizedAt	timestamp If any speech was recognized, displays the date and time at which this happened.	2017-11-17 16:47:04
SessionFinishedAt	timestamp Displays the date and time at which the session was finished.	2017-11-17 16:47:04
OnlineSessionID	int Displays the online session id. This is useful for the Vocera support team when debugging.	
AccessPoint	varchar Displays the access point as a hexadecimal number. Defined only when the device is not a telephone.	b4a4e3b4a95e
BatteryStateOfCharge	int This field is for future use only.	
BatchId	int This field is for future use only, and is currently set to 0.	
RowCreatedTS	timestamp Displays the date and time at which the table row was created.	2017-12-05 23:52:54
DeviceSite	varchar Displays the device's home site.	MyDeviceSite
DeviceSerialNo	varchar Displays the device's serial number.	H5AB153011C5
UserSite	varchar Displays the user's home site.	MyUserSite
Location	varchar Displays the element/device location.	Customer Support
UserType	varchar Displays the type of user.	
SpeechDuration	bigint Specifies the speech duration in the Genie session, in seconds.	

factlogins

Fact table delivering detailed insight and events associated with Vocera Voice Server logins.

Table 32: factlogins table

Column	Description	Example
TenantId	int This field is for future use only, and is currently set to 0.	
TenantName	varchar This field is for future use only, and is currently set to blank.	
DeviceId	varchar Displays, as a hexadecimal number, the id of the device used by the user that is logging in.	0009ef11039f
DeviceType	varchar Displays the device type.	Badge
DeviceVersion	varchar Displays the version of the device.	B3000
UserName	varchar Displays the user name.	u-jsmith
UserDisplayName	varchar Displays the user display name in "Lastname, Firstname" format.	Smith, John

Column	Description	Example
Site	varchar Displays the site.	MySiteName
LoggedInAt	timestamp Displays date and time at which the login occurred.	2017-12-13 13:39:34
LoggedOutAt	timestamp Displays the date and time that the user logged out.	2017-12-13 13:40:03
SimultaneousUsersLoggedIn	int This field is for future use only, and is currently set to 0.	
SimultaneousUsersLoggedInBySite	int This field is for future use only, and is currently set to 0.	
BatchId	int This field is for future use only, and is currently set to 0.	
RowCreatedTS	timestamp The date and time when this table row was created.	2017-12-06 00:16:35
DeviceSite	varchar Displays the device's home site.	MyDeviceSite
DeviceSerialNo	varchar Displays, as a hexadecimal number, the device serial number.	E6ED13115482
UserSite	varchar Displays the user's home site.	MyUserSite
AccessPoint	varchar Displays, as a hexadecimal number, the site access point.	707db996322e
Location	varchar Displays the location of the site access point.	Second Floor
userDepartments	varchar A comma-separated list of internal department ids.	g-daisy,g-engineering

fctmessageactivity

Stores data about Vocera Voice Server message activity in Vocera.

Table 33: fctmessageactivity table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date	1507565242852
TxDateTime	datetime Stores the date and time of an event, accurate to the second.	2017-10-09 09:07:22
TxDate	Stores the date of an event, accurate to the day.	2017-10-09
SenderType	varchar Specifies which type of user initiated the message activity. Example values: User, Phone.	User
SenderID	varchar Specifies the user ID of the person who initiated the message activity. This value corresponds to a User ID specified via the Administration Console or the User Console on the Vocera Voice Server.	jsmith
SenderSite	varchar Displays site details for the sender.	MySenderSite
Operation	varchar Specifies the operation.	LeaveMessage

Column	Description	Example
ReceiverType	varchar Specifies which type of user received the message activity. Example values: User, Phone, Group.	Group
ReceiverID	varchar Specifies the Vocera user/group ID of the receiver.	IT
ReceiverSite	varchar Displays site details for the receiver.	MyReceiverSite
Duration	bigint Specifies the duration of the voice message in seconds.	41
IdMsgActivity	bigint Identifies a voice message activity. However, this value is not guaranteed to be unique. Any given message activity could have the same IdMsgActivity value as another Message Activity that took place earlier or later.	
IdGenie	bigint A unique integer that identifies a Genie session. A single Genie session may comprise several events. For example, a Genie session for a badge-to-badge call may include the "Vocera" prompt played on the calling party's badge and the "Can you talk to ..." prompt played on the called party's badge.	8107
senderName	varchar Displays the sender's display name in "Lastname, Firstname" format.	Smith, John
receiverName	varchar Displays the receiver's display name in "Lastname, Firstname" format.	Doe, Jane
receiverU_Id	varchar Specifies the Vocera user internal id or group id of the receiver.	u-jdoe
senderU_Id	varchar Specifies the Vocera user internal id or group id of the sender.	u-jsmith
receiverUserDepartments	varchar Specifies the comma-separated list of receiver user departments.	g-logistics,g-icu
receiverGroupDepartmen	varchar Specifies the comma-separated list of receiver group departments.	
senderDepartments	varchar Specifies the comma-separated list of sender departments.	g-operations,g-finance

fc trecresults

Stores speech recognition results.

Table 34: fc trecresults table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date	1507520264332
TxDateTime	datetime Stores the date and time of the event, accurate to the second.	2017-10-08 20:37:44
TxDate	dateL Stores the date of an event, accurate to the day.	2017-10-08
UserType	varchar Specifies which type of user uttered the speech. Example values: User, Phone	User

Column	Description	Example
UserID	varchar Specifies the user ID of the person who uttered the speech. When the UserType value is User, this value is either a User ID specified via the Administration Console or the User Console on the Vocera Voice Server.	JSmith
UserSite	varchar In a multi-site installation, the UserSite column specifies the Vocera site with which the user is associated.	VCSLoadSite
BadgeMACAddr	varchar Specifies the badge MAC address.	bbbb00000040
APMACAddr	varchar Specifies the MAC address of the wireless access point with which the badge was associated when this speech recognition event happened.	557557557557
RecStatus	varchar Specifies the recognition status of the utterance. Example values: Recognized, Rejected, NoSpeech	NoSpeech
Score	int Specifies the recognition score for the utterance. Values range from 0 to 100.	
Recognized	varchar Specifies the speech that was recognized by the Vocera system. Example values: Wherels Randy Floren, Call Chris Long, Yes, LogOut	
Grammar	varchar The type of speech grammar. Examples include yesorno, singlename, mainmenu, phonenumber, spelledname, messageaction, and messageresponse.	yesorno
DeviceType	varchar The type of the device that has initiated contact with the Genie.	Badge
IdGenie	bigint Identifies a Genie session. A single Genie session may comprise several events. For example, a Genie session for a badge-to-badge call may include the "Vocera" prompt played on the calling party's badge and the "Can you talk to ..." prompt played on the caller's badge.	6540
UserUID	varchar Specifies the Vocera Voice Server user internal ID.	u-jsmith
userDisplayName	varchar Specifies the user Display Name of the person who uttered the speech. When the UserType value is User, this value is either a User LastName, FirstName specified via the Administration Console or the User Console on the Vocera Server.	Smith, John
UserDepartments	varchar Displays a comma-separated list of the internal ids of the user departments. This is Unknown if the user is not part of any department.	g-operations
DeviceVersion	varchar Displays the user's device version. Example values are B3000N, Android VCS, Apple VCS.	B3000N
owningGroupID	varchar Displays the ID of the device's owning group.	g-engineering
owningGroupName	varchar Displays the group name of the device's owning group.	Engineering
owningGroupDepartments	varchar Specifies the owning group departments.	g-engineering

Column	Description	Example
owningGroupSite	varchar Specifies the Vocera site with which the owning group is associated.	MyGroupSite

fcreportgeniesession

Fact table delivering detailed insight into a Genie session.

Table 35: fcreportgeniesession table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date	1507565242852
UserType	varchar The location or type of the element or device.	User
UserID	varchar The user ID of the person who uttered the speech. If UserType is User, this is specified on the Administration Console or the User Console on the Vocera Voice Server.	jsmith
UserUID	varchar The u-id of the person who uttered the speech. If UserType is User, this is specified on the Administration Console or the User Console on the Vocera Voice Server.	u-jsmith
UserSite	varchar In a multi-site installation, the Vocera site with which the user is associated. In a single-site installation, this is set to Global.	Vocera
UserSiteId	varchar In a multi-site installation, the internal ID of the Vocera site with which the user is associated. In a single-site installation, this is set to s-global.	Vocera
userDisplayName	varchar The display name of the person that uttered the speech. If UserType is User, this is specified on the Administration Console or the User Console on the Vocera Voice Server.	Smith, John
UserDepartments	varchar A comma-separated list of user departments.	
SessionId	int The session id for this Genie session.	
SpeechPort	int The speech port address or number.	1
SessionStartedAt	timestamp The date and time at which the session started.	2018-11-05 13:27:11
SessionFinishedAt	timestamp The date and time at which the session ended.	2018-11-05 13:27:28
SpeechDuration	bigint Specifies the duration of the Genie session in seconds.	17

fcserverspeechchannelstatsevent

Fact table delivering detailed events and values pertaining to the server speech channel statistics event.

These statistics are measured over a sliding window, usually 30 minutes in length. This window is divided into a number of time periods or slots, usually 60, each lasting 30 seconds. After a slot is completed, the window slides, and a new slot is created.

Table 36: fctserverspeechchannelstatsevent table

Column	Description	Example
TenantId	int This field is for future use only, and is currently set to 0.	
StartedAt	timestamp Displays the date and time of the start of the event.	2017-10-14 19:21:58
EventType	int Displays the event type.	0
ChansAvg	decimal Displays the average number of concurrent Genie sessions, over the sliding window, at the end of each slot.	0.03
ChansMax	int Displays the maximum number of concurrent Genie sessions during the current set of slots in the sliding window.	2
ChansAllTimeMax	int Displays the all-time maximum number of concurrent Genie sessions since the server was started.	3
Freq	decimal(5,2) NOT NULL Displays the average of the number of started Genie sessions per time slot divided by the minutes per slot.	0.13
DurationSec	decimal Displays the average, over all slots in the sliding window, of the average length of the ended Genie sessions in a slot.	0.42
RecogPrc	int Displays the percentage of accepted speech recognition attempts that return with a confidence score higher than the confirm threshold.	83
ProbBusyPrc	decimal(11,2) NOT NULL The average of the number of times a started Genie session had to wait to get a speech port, divided by the average of the number of started Genie sessions over the sliding window.	17.24
BusyTimeSec	decimal Displays the average amount of wait time in seconds, over the sliding window, for waiting Genie sessions.	0.11
LoginCount	int Displays the number of logins (using a login license, and not necessarily active).	7926
TenantName	varchar This field is for future use only, and is currently blank.	
BatchID	int This field is for future use only, and is currently set to 0.	
RowCreatedTS	timestamp Displays the date and time that the table row was created.	2017-12-05 23:43:52

fctsimultaneoususerbyfacility

The simultaneous user login count, organized by facility.

Table 37: fctsimultaneoususerbyfacility table

Column	Description	Example
StartedAt	timestamp Displays the date and time of the start of information collection.	2017-10-14 19:21:58
LoginCount	int Displays the number of logins at the specified site.	67
SiteId	varchar Displays the internal id of the user's home site.	s-mysitename

fcctelephony

Stores data about telephony activities.

Table 38: fcctelephony table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date	1507530224921
TxDateTime	datetime Stores the date and time of the event, accurate to the second.	2017-10-08 23:23:44
TxDate	date Stores the date of an event, accurate to the day.	2017-10-08
TelephonyId	bigint Identifies a telephony log entry.	12989
UserType	varchar Specifies which type of user initiated the call.	User
UserID	varchar Specifies the user ID of the person who initiated the call. When the UserType value is User, this value corresponds to a User ID specified via the Administration Console or the User Console on the Vocera Server.	JSmith
UserSite	varchar Specifies the Vocera site with which the calling party is associated.	Mysitename
PrimarySite	varchar Specifies the Vocera site with which the VSTG array is associated.	S-Mysitename
TotalLines	bigint The total number of lines allocated to the primary site.	48
AvailableLines	bigint The number of lines available at the primary site.	47
SharingSite	varchar Specifies the Vocera site to which the call is sent or from which the call is made.	S-Mysharingsite
CallType	varchar Specifies the call type: Incoming, Outgoing, Disconnect, or GatewayFailed	Incoming
IdCall	bigint Identifies a call placed or received through the Vocera system. However, this value is not guaranteed to be unique. Any given call could have the same IdCall value as another call that took place earlier or later.	3216
userUID	varchar Specifies the Vocera Voice Server internal user id of the person who initiated the call. When the UserType value is User, this value is the internal user id.	u-jsmith
userDisplayName	varchar Specifies the user Display Name of the person who initiated the call. When the UserType value is User, this value corresponds to a LastName,FirstName specified via the Administration Console or the User Console on the Vocera Server.	Smith, John

fcvmiactions

Stores messages/alerts sent through VMI to the Vocera Voice Server.

Table 39: fctvmiactions table

Column	Description	Message
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date.	1507514309777
TxDateTime	datetime Stores the date and time of the event, accurate to the second.	2017-10-08 18:58:29
TxDate	date Stores the date of an event, accurate to the day.	2017-10-08
ClientID	varchar The VMI client id.	VMILoad
MessageID	int The VMI message id.	10172022
RecipientType	varchar Specifies which type of entity received the message. Examples include User and Group.	User
RecipientSite	varchar In a multi-site installation, the column specifies the Vocera site with which the recipient is associated.	MyRecipientSite
RecipientID	varchar For users, this is the user id specified in the Vocera Voice Server Administration Console. For groups, this is the actual group name.	JSmith
RecipientName	varchar For users, this specifies the name of the message recipient in Firstname Lastname format. For groups, this is the name of the group.	John Smith
ActionType	varchar Specifies the action type. Possible values are Response, Rejected, Dead, Delivered, DeleteMessage, CallStarted, CallEnded, and Accepted.	Delivered
ActionDetail	text Specifies the action details, if any.	User is not logged in
recipientU_Id	varchar Specifies the internal Vocera Voice Server id of the message recipient.	u-jsmith
recipientDisplayName	varchar Specifies the display name (last name, first name) of the message recipient.	Smith, John
receiverUserDepartments	varchar Specifies the user departments. This is a comma-separated list if the user is part of multiple departments.	g-tech_support
receiverGroupDepartments	varchar When RecipientType is Group, this is populated with a comma-separated list of group department ids. If the recipient group has no departments, this is set to Unknown.	

fctvmievent

Stores VMI event information.

Table 40: fctvmievent table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date	1512150680643
TxDateTime	datetime Stores the date and time of the event, accurate to the second.	2017-12-01 09:51:20
TxDate	date Stores the date of an event, accurate to the day.	2017-12-01
ClientID	varchar The VMI client id.	ENGAGE
EventID	bigint The unique VMI event id.	7443
EventType	varchar Specifies the VMI event type. Supported event types are MessageEvent, CancelEvent, and SystemEvent.	MessageEvent
Item1	varchar Stores the first item of the log event information.	Epic:12012017-001
Item2	varchar Stores the second item of the log event information, or blank if this item does not exist.	21
Item3	varchar Stores the third item of the log event information, or blank if this item does not exist.	1
Item4	varchar Stores the fourth item of the log event information, or blank if this item does not exist.	1
Item5	varchar Stores the fifth item of the log event information, or blank if this item does not exist.	
Item6	varchar Stores the sixth item of the log event information, or blank if this item does not exist.	
Item7	varchar Stores the seventh item of the log event information, or blank if this item does not exist.	
Item8	varchar Stores the eighth item of the log event information, or blank if this item does not exist.	
Item9	varchar Stores the ninth item of the log event information, or blank if this item does not exist.	
Item10	varchar Stores the tenth item of the log event information, or blank if this item does not exist.	

fctvmimessages

Stores VMI message information.

Table 41: fctvmimessages table

Column	Description	Example
TxMillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date	1507525143403
TxDateTime	datetime Stores the date and time of the event, accurate to the second.	2017-10-08 21:40:12
TxDate	date Stores the date of an event, accurate to the day.	2017-10-08
ClientID	varchar The VMI client id.	VMILoad
DestinationType	varchar Specifies which type of entity was sent the message (for example: User, Group).	User
DestinationSite	varchar In a multi-site installation, the column specifies the Vocera site with which the destination is associated. In a single-site installation, this value is null.	VCSLoadSite
DestinationID	varchar For users, this is the user id specified in the Vocera Voice Server Administration Console. For groups, this is the actual group name.	JSmith
DestinationName	varchar For users, this specifies the name of the message recipient in Firstname Lastname format. For groups, this is the name of the group.	John Smith
MessageID	int Specifies the numeric VMImMessage id.	10172020
Priority	varchar Specifies the VMI message priority (for example: Normal, High, Urgent).	Normal
MessageText	text Specifies the message content.	This is a test message.
PriorityID	int Specifies the VMI message priority id (for example: normal as 0, high as 1, urgent as 2).	0
recipientU_Id	varchar Specifies the internal Vocera Voice Server id of the message recipient.	u-jsmith
recipientDisplayName	varchar Specifies the display name (last name, first name) of the message recipient.	Smith, John
receiverUserDepartments	varchar Specifies the user departments. This is a comma-separated list if the user is part of multiple departments.	g-tech_support
receiverGroupDepartments	varchar When RecipientType is Group, this is populated with a comma-separated list of group department ids. If the recipient group has no departments, this is set to Unknown.	

vmialerts

Stores information for VMI alerts.

Table 42: vmialerts table

Column	Description	Example
TxDate	INT The unique auto-incremented identifier for this record.	43
TxDate	date Stores the date of an event, accurate to the day.	2017-10-08
Txmillis	bigint Gives each row in the table a unique identifier. The value represents the number of milliseconds since January 1, 1970 (a date specified for internal use by the report system). Because of the uniqueness constraint, it may not reflect the exact actual date.	1507514375333
messageInitiatedAt	datetime Stores the date and time of the message initiation event, accurate to the second.	2017-10-08 21:40:12
txdatetime	datetime Stores the date and time of the event, accurate to the second.	2017-10-08 18:59:35
MessageId	bigint The VMI message id.	1
Item2	varchar The VMI message id.	1
ClientId	varchar The VMI client id.	VMILoad
MessageText	varchar The VMI message text.	Test message for TestUser1.
priority	varchar Specifies the VMI message priority (Normal, High, Urgent).	Normal
priorityId	int Specifies the VMI message priority id (0 = normal, 1 = high, 2 = urgent).	0
RecipientType	varchar Specifies which type of entity received the message (for example: User, Group).	User
recipientSite	varchar In a multi-site installation, the column specifies the Vocera site with which the recipient is associated. In a single-site installation, this value is null.	VCSLoadSite
recipientId	varchar For users, this is the user id specified in the Vocera Voice Server Administration Console. For groups, this is the actual group name.	JohnSmith
recipientU_id	varchar Specifies the internal Vocera Voice Server id of the message recipient.	u-jsmith
recipientDisplayName	varchar Specifies the display name (LastName, FirstName) of the message recipient.	Smith, John
ActionType	varchar Specifies the action type (for example: Accepted, Delivered, Rejected)	Accepted
Actiondetail	text Specifies the details of the action (for example, the reason why the alert was rejected).	User is not on network
Response	longtext The alert response (for example: CallBack, Ok, Busy, Cancel).	CallBack
receiveruserdepartments	varchar Specifies the user departments.	g-tech_support

Column	Description	Example
receivergroupDepartments	varchar Specifies the group departments.	g-testgroup
DestinationType	varchar Specifies the destination type (for example: User, Group).	User
DestinationName	varchar Specifies the destination name.	Jane Doe
destinationU_id	varchar Specifies the destination name userid.	u-jdoe
DestinationSite	varchar In a multi-site installation, the column specifies the Vocera site with which the destination is associated. In a single-site installation, this value is null.	MySiteName

Summary Tables

These summary tables are automatically produced every day for use in reports and dashboards.

summarycalls

The Summary Calls table aggregates data for Vocera Voice Server sites and units (Vocera Voice Server departments) each day with the accepted, declined, and total number of calls.

Table 43: summarycalls table

Column	Description	Example
TxDate	date The date of the aggregated data.	2016-10-14
Site	varchar The user site of the receiver.	MySiteName
Unit	varchar A comma-separated list of receiver user department ids.	g-tech_support, g-office
severity	varchar The severity (normal or urgent).	normal
CallToType	varchar Displays Call To type (for example: User, Telephone, Address Book).	User
accept	bigint The number of accepted calls.	3
decline	bigint The number of declined calls.	4
TotalCalls	bigint The total number of calls.	8

summarydeviceactivity

This summary table lists the latest device activity on a per-day basis.

Table 44: summarydeviceactivity table

Column	Description	Example
txDate	date The date of the aggregated data.	2016-10-21
DeviceId	varchar Displays the device id.	0009ee13a7d8

Column	Description	Example
DeviceType	varchar Displays the device type (for example: Badge, iOS, Android).	Badge
DeviceVersion	varchar Displays the device version (for example, B3000, Apple VCS, Android VCS).	B3000N
Site	varchar Displays the site where the device was used.	MySiteName
DeviceSite	varchar Displays the home site for the device.	MyDeviceSiteName
DeviceSerialNo	varchar Displays the device serial number.	G5DH2313A6D8
FinishedAt	timestamp NULL DEFAULT NULL Displays the timestamp for when the activity was finished.	2016-10-21 16:35:13
AccessPoint	varchar Displays the access point for the device.	b414895bad32
Location	varchar Displays the device location.	Product Management
UserName	varchar Displays the Vocera Voice Server user internal id.	u-jsmith
PingState	varchar Displays the ping/UI state of the device (for example: Standby).	Standby
owningGroupName	varchar Displays the name of the device's owning group.	Engineering
owningGroupDepartments	varchar A comma-separated list of the owning group departments.	g-engineering0,g-office
userDisplayName	varchar Specifies the user display name.	Smith, John
userDepartments	varchar Specifies the user departments.	g-operations,g-tech_support
userSite	varchar Displays the user's home site.	MySiteName
TrackingTime	varchar Displays the device tracking time.	2017-11-21
Label	varchar Displays the label.	MyCompanyName John Smith
Status	varchar Displays the device status (for example: Active, Unregistered, RMA'ed).	Active
OwningGroupSite	varchar Displays the site of the group that owns the device, if any.	MyGroupSite
OwningGroupID	varchar Displays the id of the group that owns the device.	g-mygroupname

summaryengagedata

This summary table aggregates the accepted, declined and total data counts, grouped by site, unit, severity, and interrupt source type(interrupt type).

Table 45: summaryengagedata table

Column	Description	Example
TxDate	date The date of the aggregated data.	2017-11-14

Column	Description	Example
Site	varchar The site or facility from which the data was collected.	MYHOSPITAL
Unit	varchar The unit from which the data was collected.	06PP
severity	varchar The severity of the event (for example: low, red alarm, hard inop).	low
interrupt_type	varchar The event type (for example: NURSE CALLS, ORDER, PATIENT MONITOR, LAB TEST).	NURSE CALLS
accept	bigint The number of accepted events.	2
decline	bigint The number of declined events.	1
Total	bigint The total number of events.	39

summarymessages

This summary table aggregates the text message data of vmpMessages table: conversation count (TotalEvents), delivered count (TotalDeliveries), total messages grouped by Vocera Voice Server Site (site) and Department (unit) per day.

Table 46: summarymessages table

Column	Description	Example
TxDate	date DEFAULT NULL The date of the aggregated data.	2017-12-09
Site	varchar The site for the message receiver user.	MySiteName
Unit	varchar The receiver user's department.	g-engineering0
messageType	varchar The message type.	Text
isNotification	tinyint Set to 1 if the message is notification, 0 otherwise.	0
severity	varchar The message severity (normal, high, urgent).	normal
TotalEvents	bigint The total number of conversations.	1
TotalDeliveries	bigint The total number of deliveries.	12
TotalMessages	bigint The total number of messages. This is usually the same as the total number of deliveries.	12

summaryspeech

This summary table aggregates daily data from the fctrecresults table: recognized, rejected, and other speech items, and speech, non-speech, and total counts, grouped by user's Vocera Voice Server Site and Department.

Table 47: summaryspeech table

Column	Description	Example
Txdate	date The date of the aggregated data.	2017-10-08

Column	Description	Example
Site	varchar The Vocera Voice Server user's home site.	MySiteName
Unit	varchar A comma-separated list of the user's department ids.	g-engineering,g-office
Recognized	int The number of recognized speech items.	20
Rejected	int The number of rejected speech items.	1
Others	int The number of speech items that were neither recognized nor rejected.	0
speechAttempts	bigint The total number of detected speech attempts.	21
NoSpeech	int The number of attempts where no speech was detected.	1
TotalAttempts	bigint The total number of attempts. This should be the sum of the speechAttempts and NoSpeech fields.	22

summaryspeechlocation

This summary table aggregates daily data from the fctrecresults table: recognized, rejected, and other speech items, and speech, non-speech, and total counts, grouped by location site and MAC address.

Table 48: summaryspeechlocation table

Column	Description	Example
Txdate	date The date of the aggregated data.	2017-10-08
Site	varchar The site of the location access point.	MySiteName
APMACAddress	varchar Specifies the MAC address of the wireless access point with which the badge was connected for the speech attempts.	000f24e9dce0
Location	varchar Specifies the location name for the element or device.	Engineering - 4th Floor
LocationId	varchar Displays the id generated by the Vocera Voice Server for the location.	1_4th_floor_engineering
Recognized	int The number of recognized speech items.	20
Rejected	int The number of rejected speech items.	1
Others	int The number of speech items that were neither recognized nor rejected.	0
speechAttempts	bigint The total number of detected speech attempts.	21
NoSpeech	int The number of attempts where no speech was detected.	1
TotalAttempts	bigint The total number of attempts. This should be the sum of the speechAttempts and NoSpeech fields.	22

summaryspeechowninggroup

This summary table aggregates daily data from the fctrecresults table: recognized, rejected, and other speech items, and speech, non-speech, and total counts, grouped by device.

Table 49: summaryspeechowninggroup table

Column	Description	Example
Txdate	date The date of the aggregated data.	2017-10-16
Site	varchar Displays the site name of the device owner.	MySiteName
GroupName	varchar Displays the name of the owning group.	Engineering
GroupID	varchar Displays the owning group id.	g-engineering0
MACAddress	varchar Specifies the badge MAC address.	0009ef006e9a
DeviceVersion	varchar The device version in use.	B3000
Recognized	int The number of recognized speech items.	20
Rejected	int The number of rejected speech items.	1
Others	int The number of speech items that were neither recognized nor rejected.	0
speechAttempts	bigint The total number of detected speech attempts.	21
NoSpeech	int The number of attempts where no speech was detected.	1
TotalAttempts	bigint The total number of attempts. This should be the sum of the speechAttempts and NoSpeech fields.	22

summaryspeechuser

This summary table aggregates daily data from the fctrecresults table: recognized, rejected, and other speech items, and speech, non-speech, and total counts, grouped by user.

Table 50: summaryspeechuser table

Column	Description	Example
Txdate	date The date of the aggregated data.	2017-10-09
Site	varchar The Vocera Voice Server site name for the user.	MySiteName
Unit	varchar The comma-separated list of user departments.	g-engineering0,g-office
User	varchar Specifies the user display name of the person who uttered the speech.	Smith, John
UserUID	varchar The internal Vocera Voice Server id of the user.	u-jsmith
UserId	varchar Specifies the user name of the person who uttered the speech. This field contains the same information as the UserName field in the dimusers table.	JohnSmith

Column	Description	Example
MACAddress	varchar Specifies the device MAC address.	0009ef006e9
DeviceVersion	varchar The version of the device from which the speech was sent.	B3000N
Recognized	int The number of recognized speech items.	20
Rejected	int The number of rejected speech items.	1
Others	int The number of speech items that were neither recognized nor rejected.	0
speechAttempts	bigint The total number of detected speech attempts.	21
NoSpeech	int The number of attempts where no speech was detected.	1
TotalAttempts	bigint The total number of attempts. This should be the sum of the speechAttempts and NoSpeech fields.	22

summaryvmalerts

This summary table aggregates daily data from the vmalerts table: total VMI alert counts grouped by severity, user Vocera Voice Server site, and user department.

Table 51: summaryvmalerts table

Column	Description	Example
Txdate	date The date of the aggregated data.	2017-10-08
Site	varchar In a multi-site installation, the column specifies the Vocera site with which the recipient is associated.	MySiteName
Unit	varchar The unit with which the recipient user is associated. This is a comma-separated list of internal group ids.	g-engineering0
clientID	varchar The VMI client ID.	VMILoad
Severity	varchar The severity of the alerts (normal, high, urgent).	normal
TotalVMAlerts	bigint The total number of VMI alerts.	44

summaryvmpconversations

This summary table aggregates Vocera Messaging Platform conversation data.

Table 52: summaryvmpconversations table

Column	Description	Example
id	bigint The auto-generated message type identifier.	4
txDate	date The date of the aggregated data.	2017-10-08
facility	varchar The facility for the conversation.	Vocera

Column	Description	Example
unit	varchar The unit for the conversation.	g-business
conversationId	bigint The conversation ID.	12425
conversationType	varchar The conversation type.	One to One
messageType	varchar The message type.	Text
messagesCount	mediumint The total number of messages in the conversation.	4

VMP Tables

These tables are the database schema for the Vocera Messaging Platform.

dimvmpdistributionlists

Dimension table delivering detailed insight into VMP distribution lists, and into Vocera Voice Server groups if the Vocera Voice Server is synchronized with VMP.

Table 53: dimvmpdistributionlists table

Column	Description	Example
TenantID	int This field is for future use only, and is currently not defined.	
BatchId	int This field is for future use only, and is currently not defined.	
Id	int Displays the internal VMP id for the distribution list.	17
Name	varchar Displays the name of the distribution list.	1201
VoceraId	varchar Displays the internal Vocera Voice Server group id. This is populated only when a distribution list is created to map with a Vocera Voice Server group. If the distribution list is created from VMP, this value is null.	g-1201
SiteId	int Displays the site id for the distribution list. This is populated only when a distribution list is created to map with a Vocera Voice Server group. If the distribution list is created from VMP, this value is null.	3
OnCallEnabled	tinyint Displays 1 if on-call is enabled, and 0 otherwise.	0
OnCallMinUsers	int The minimum number of on-call users.	1
OnCallMaxUsers	int The maximum number of on-call users.	1
Type	varchar Displays the distribution list type (R for regular or E for escalation).	R
EscDeliveryRoute	varchar Displays the delivery route after a call escalation (A for all users or V for visible users only).	A
Hidden	tinyint Displays 1 if the distribution list is hidden, and 0 otherwise.	0

dimvmpdistributionlistsinuser

Dimension table delivering user details associated with VMP distribution lists. If this distribution list originates from the Vocera Voice Server, this table is not populated.

Table 54: dimvmpdistributionlistsinuser table

Column	Description	Example
TenantID	int This field is for future use only, and is currently not defined.	
BatchId	int This field is for future use only, and is currently not defined.	
UserId	int Displays the user id.	2
DistListID	int Displays the distribution list id.	4973

dimvmpmessagetypes

Dimension table delivering VMP message types. Examples include Text, Photo, and System Message.

Table 55: dimvmpmessagetypes table

Column	Description	Example
id	tinyint The auto-generated message type identifier.	5
messageTypeid	varchar Displays the message type id.	Text
messageType	varchar Displays the message type.	Text

dimvmpsites

This site table is populated only when Vocera Voice Server synchronization is enabled in the VMP application.

Table 56: dimvmpsites table

Column	Description	Example
TenantID	int This field is for future use only, and is currently not defined.	
BatchId	int This field is for future use only, and is currently not defined.	
SiteId	int The internal id created in the VMP application for the Vocera Voice Server site.	3
SiteName	varchar Displays the site name.	My Site Name
VSiteld	varchar Displays the internal site id for the Vocera Voice Server.	s-mysitename

dimvmpusers

Dimension table delivering detailed insight into VMP users.

Table 57: dimvmpusers table

Column	Description	Example
TenantID	int This field is for future use only, and is currently not defined.	
BatchId	int This field is for future use only, and is currently not defined.	
Id	int The internal user id created by the VMP application for all imported (from the Vocera Voice Server) and non-imported users.	5
VoceraId	varchar Displays the Vocera id.	u-jsmith
LoginId	varchar Displays the login id.	jsmith
VstId	varchar Displays the Vocera Secure Texting id if it exists.	2208
Active	tinyint Displays 1 if the user is active or 0 otherwise.	1
Created	timestamp Displays the date and time that this user was created.	2017-02-19 23:21:23
Updated	timestamp Displays the date and time that this user was last updated.	2017-11-30 23:01:08
Deactivated	timestamp If the user has been deactivated, displays the date and time of deactivation.	2017-11-07 21:49:40
FirstName	varchar Displays the user's first name.	John
MiddleName	varchar Displays the user's middle name, if there is one.	
LastName	varchar Displays the user's last name.	Smith
DeviceRoute	int Displays the details of the device route.	14
ClientVersion	varchar Displays the client version.	3.0.3.524 iOS
LastActivity	timestamp Displays the time and date of the last use or activity.	2017-11-02 21:50:16
LastDeviceActivity	timestamp Displays the time and date of the last device activity.	2017-11-02 21:50:16
RemotId	varchar Displays the remote id.	
DisplayName	varchar The display name for the element/user.	John Smith
EmailId	varchar Displays the email id for the user.	jsmith@mycompanyname.com
DeviceId	varchar Displays the device id.	
SiteId	int Displays the site id.	5
FileId	int Displays the file id.	

dimvmpusersindistributionlist

Dimension table delivering users in a VMP distribution list.

Table 58: dimvmpusersindistributionlist table

Column	Description	Example
TenantID	int This field is for future use only, and is currently not defined.	
BatchId	int This field is for future use only, and is currently not defined.	
UserId	int Displays the user id.	2
DistListID	int Displays the distribution list id.	4973

fcttextconversation

Fact table delivering detailed insight on events and values of text-based conversations. This table is loaded if a VMP source is added or VMP data is migrated.

Table 59: fcttextconversation table

Column	Description	Example
TenantID	int This field is for future use only, and is currently set to 0.	
BatchId	int This field is for future use only, and is currently set to 0.	
Id	int Displays the unique integer id for this conversation.	
Created	timestamp Displays the date and time for this conversation.	2015-08-27 18:18:23
Activated	timestamp Displays the activation date and time.	2015-08-27 18:18:23
CreatorUserId	varchar Displays the creator user id.	11579
ExternalId	varchar Displays the external id.	2458
ParticipationCondition	varchar Displays the participation condition.	1
MassConversation	tinyint Displays 1 if this is a mass conversation or else 0.	0
Escalated	tinyint Displays 1 if this conversation is being escalated or else 0.	1
EscalationFinished	tinyint Displays 1 if the escalation is finished or else 0.	1
IsTerminated	tinyint Displays 1 if the text is terminated or else 0.	1
LastMessageReceived	timestamp Displays the date and time that the last message was received.	2017-05-03 09:54:01
Subject	varchar The subject of the conversation.	Needed in Room 203
TotalParticipants	int The total number of participants in the conversation.	2

Column	Description	Example
PatientMrn	varchar If the conversation has a patient context, displays the MRN of the patient.	ABCMRN12367
RowCreatedTS	timestamp Displays the date and time that this table row was created.	2017-12-05 23:43:18

fcttextconversationparticipant

Fact table delivering detailed insight on text conversation participants.

Table 60: fcttextconversationparticipant table

Column	Description	Example
TenantID	int This field is for future use only, and is currently set to 0.	
BatchId	int This field is for future use only, and is currently set to 0.	
ConversationID	int Displays the unique id for this conversation. When joined with the Id field in the fcttextconversation table, you can retrieve all of the participants in the conversation.	11944
InTime	timestamp Displays the time that the participant joined the conversation.	2017-11-05 12:18:04
UserID	int Displays the numeric user id associated with the conversation. The vmpusers table has the internal id of the user generated by the VMP application.	11579
FirstName	varchar Displays the first name of the user in the conversation.	John
MiddleName	varchar Displays the middle name of the user in the conversation.	
LastName	varchar Displays the last name of the user in the conversation.	Smith
ExternalID	varchar Displays the external id.	2220
ForwardedByUserID	varchar Displays the user id of the forwarding user. This field is blank if there is no forwarding user.	460
RowCreatedTS	timestamp Displays the date and time that the table row was created.	2017-12-05 23:50:25

fcttextconversationrcpdistlist

Fact table delivering insight into recipient distribution lists for text conversations.

Table 61: fcttextconversationrcpdistlist table

Column	Description	Example
TenantID	int This field is for future use only, and is currently set to 0.	
BatchId	int This field is for future use only, and is currently set to 0.	
ConversationId	int Displays the unique id for this conversation.	12487

Column	Description	Example
DistListId	int Displays the numeric id for this distribution list.	5175
RowCreatedTS	timestamp Displays the date and time that this table row was created.	2017-12-05 23:44:15

fcttextconversationrcpuser

Fact table delivering insight into recipient users for text conversations.

Table 62: fcttextconversationrcpuser table

Column	Description	Example
TenantID	int This field is for future use only, and is currently set to 0.	
BatchId	int This field is for future use only, and is currently set to 0.	
ConversationId	int Displays the numeric conversation id.	12112
UserId	int Displays the numeric user id.	168
RowCreatedTS	timestamp Displays the date and time that this table row was created.	2017-12-05 23:52:29

fcttextmessage

Fact table delivering detailed insight for text messages, including various events and associated values.

Table 63: fcttextmessage table

Column	Description	Message
TenantID	int This field is for future use only, and is currently set to 0.	
BatchId	int This field is for future use only, and is currently set to 0.	
Id	int Displays a unique numeric id for this text message.	26863
ConversationID	int Displays the unique numeric id for the conversation of which this text message is a part.	12067
ExternalTransactionID	varchar Displays the external transaction id.	
ClientID	varchar Displays the client id.	Engage
EventID	varchar Displays the event id.	2d9fc053-62dd-37e8-bcd9-e13a3bc5cf04
InTime	timestamp Displays the date and time that this text message appeared.	2017-12-09 07:51:26
CreatorUserID	int Displays the numeric user id of the creator of the message.	168
Severity	int Displays an integer value representing the severity or priority of the message.	0
RouteToVS	tinyint Displays 1 if the message is routed through the Vocera Voice Server.	1

Column	Description	Message
CreatorEndPoint	varchar Displays the creator endpoint.	15
SenderDeviceRoute	int Displays the sender device route.	
MCR	varchar Displays whether the message has multiple choice responses. Valid values are Y and N.	N
AttachmentGUID	varchar Indicates whether a message has an attachment.	FE0C6CB7-7DC5-421E-9137-B9046E7C2902
ParentId	int The textMessageId field of the multiple-choice response message for which this message was a response.	597009
ParentOwnerId	int The User Id of the creator of the parent multiple-choice response message.	101
ParentResponseId	int The response id from the fctTextMessageResponses table.	10407
RowCreatedTS	timestamp Displays the date and time on which this table row was created.	2017-12-05 23:43:26

fcttextmessageresponses

Fact table delivering VMP text message responses.

Table 64: fcttextmessageresponses table

Column	Description	Example
id	int Auto-generated identifier for this entry.	2
tenantId	varchar This field is for future use only, and is currently set to 0.	
batchId	varchar This field is for future use only, and is currently set to 0.	
textMessageResponseId	int Displays the integer id for this text message response.	10275
textMessageId	int The integer id for the message that this response is associated with, as found in the fcttextmessage table.	596674
responseBody	varchar The response text.	Busy
position	varchar The numeric position of the response in the list of available responses (the first response is 0, the second is 1, and so on).	1

fcttextmessageusercall

Fact table delivering user details and events associated with text messages.

Table 65: fcttextmessageusercall table

Column	Description	Example
TenantID	int This field is for future use only, and is currently set to 0.	
BatchId	int This field is for future use only, and is currently set to 0.	

Column	Description	Example
Id	int Displays the unique numeric id for this user interaction.	36122
InTime	timestamp Displays the date and time that the message came in.	2017-12-09 07:52:16
TextMessageID	int Displays the unique numeric text message id.	26859
UserID	int Displays the numeric user id.	226
SentTime	timestamp Displays the date and time that the message was sent.	2017-12-09 07:57:22
FailTime	timestamp If the message failed to send, the date and time of the failure.	2017-12-09 07:57:22
FailMessage	varchar Displays the reason why the message failed, if applicable.	
OpenTime	timestamp Displays the date and time that the message was opened, if applicable.	2017-12-09 07:57:32
DeliveryTime	timestamp Displays the date and time that the message was delivered, if applicable.	2017-12-09 07:57:22
ResponseID	int Displays the numeric id of the responder.	3299
ResponseTime	timestamp Displays the date and time that the message was responded to, if applicable.	2017-12-09 07:57:39
CancelTime	timestamp Displays the date and time that the message was canceled, if applicable.	2017-12-09 07:57:32
Expired	varchar Displays the date and time that the message availability expired, if applicable.	
RowCreatedTS	timestamp Displays the date and time that the table row was created.	2017-12-10 23:43:59

vmpmessages

This table is the real source for all text message activity in Vocera Voice Server, and it contains VMP text messages, email messages, and desktop messages. The data in this table is populated every five minutes from all other tables.

Table 66: vmpmessages table

Column	Description	Example
conversationId	int Displays the conversation id. This id is used for all messages in a conversation.	12167
textMessageId	int Displays the unique id for a specific text message in a conversation.	26860
inTime	timestamp Displays the date and time of the message arrival.	2017-12-09 07:51:26
msgGenerationTime	timestamp Displays the date and time when the VMP message was generated.	2017-12-09 07:44:14
openTime	timestamp Displays the date and time when the message was opened.	2017-12-09 08:12:26
deliveredAt	timestamp Displays the date and time when the message was delivered.	2017-12-09 08:11:133

Column	Description	Example
sourceUserId	varchar The internal Vocera Voice Server user id.	u-jsmith
targetUserId	varchar The userid of the message recipient.	u-jdoe
sourceUser	varchar The name of the message sender.	John Smith
targetUser	varchar The name of the message recipient.	Jane Doe
sourceDeviceTypeld	varchar The type id of the device from which the message was sent.	3
targetDeviceTypeld	int The type id of the device on which the message was received.	8
targetDeviceType	varchar The name of the device type from which the message was sent. Examples include Apple Push Notification Service, Vocera Smartphone Client, and Vocera Secure Texting.	Apple Push Notification Service
sourceDeviceType	varchar The name of the device type on which the message was received. Examples include VMP_SMARTPHONE, VMP_WEBCONSOLE, and VOCERA (for badges).	VMP_SMARTPHONE
severityId	int Displays the severity/priority id. This is one of 0 (normal), 1 (high), or 2 (urgent).	0
severity	varchar Displays the severity/priority id. This is one of normal, high, or urgent.	normal
sourceUserLoginId	varchar The internal source user id.	u-jsmith
targetUserLoginId	varchar The internal target user id.	u-jsmith
targetSiteId	varchar Displays the site id of the message recipient.	s-mysitename
sourceSiteId	varchar Displays the site id of the message sender.	s-myothersitename
targetSite	varchar Displays the site name of the message recipient.	My Site Name
sourceSite	varchar Displays the site name of the message sender.	My Other Site Name
genericSourceDeviceTypeld	varchar The generic type id of the message sender's device. Examples include smartphone and web_console.	smartphone
genericTargetDeviceTypeld	varchar The generic type id of the message recipient's device. Examples include smartphone and web_console.	badge
genericSourceDeviceType	varchar The generic type name of the message sender's device. Examples include Smartphone and Web Console.	Smartphone
genericTargetDeviceType	varchar The generic type name of the message recipient's device. Examples include Smartphone and Web Console.	Badge
groupId	varchar The id of the group that the message recipient belongs to. This is populated only when a message is sent to a VMP distribution list. If the distribution list is a Vocera Voice Server group, this is the internal Vocera Voice Server group id.	g-qa

Column	Description	Example
groupName	varchar The Vocera Messaging Platform distribution list name.	Quality Assurance
userdepartment	varchar The department that the user belongs to.	g-tech_support
groupDepartment	varchar The department that the group belongs to.	g-engineering
typeOfMessage	int The message type. Possible values are 0 for VMP messages, 1 for desktop messages (messages sent from the Vocera Voice Server user console), and 2 for email messages (email sent to the Vocera Voice Server that will be delivered to the Badge/VCS client).	0
conversationSubject	varchar The subject of the message conversation.	Needed in room 203.
conversationTotalParticipants	mediumint The total number of participants in the conversation.	2
conversationType	varchar The type of conversation.	One to One
messageType	varchar The type of message.	Text
response	varchar The message response.	1. Yes 2. No 3. Not Sure
responseTime	timestamp The date and time of the response.	2017-12-09 11:26:12
sourceUserDepartment	varchar The source user department.	g-engineering
IsNotification	tinyint Displays 1 if the message is a notification, and 0 otherwise.	0
targetUserVMPId	varchar The user Id for the VMP user, as provided in the VMP database user table.	

Engage Dimension and Fact Tables

These tables contain Engage data and its associated descriptive information.



Note: For dimensional data, the `source_id` field enables Vocera Analytics to distinguish between distinct sets of values.

anl_conversation_history

Stores historical conversations.

Table 67: anl_conversation_history table

Column	Description	Example
conversation_id	bigint System-generated conversation type identifier.	3654729
event_id	bigint The event identifier from the source.	4457523
conversation_type_id	bigint The conversation type identifier (1 or 2).	2
conversation_type	varchar The conversation type (GROUP-CLINICAL or GROUP-ADHOC).	GROUP-ADHOC

Column	Description	Example
jid1	varchar The conversation initiator for the conference room, or the first user identified in alphabetical order.	
jid2	varchar The conversation initiator for the second user, or the static string ROOM.	ROOM
topic	varchar The conversation topic.	
created_at	datetime The date when the conversation was created.	2017-11-14 08:52:57.512595
source_id	bigint The source identifier of the appliance that is providing data.	1
control_id	bigint The control identifier when the record was loaded.	12644

anl_conversation_message_history

Stores historical messages tied to a conversation.

Table 68: anl_conversation_message_history table

Column	Description	Example
conversation_id	bigint The conversation identifier.	2186753
message_id	bigint The unique message identifier from the source.	12577374
nick	varchar The name of the sender, if provided.	John Smith
message_length	int The length of the message.	20
topic	varchar The conversation topic.	
from_user_id	bigint The user id of the person sending the message.	857
from_user_login	varchar The user name of the person sending the message.	johnsmith
sent_at	datetime The date when the message was sent.	2017-11-14 09:13:43.030000
created_at	datetime The date when the message was created.	2017-12-06 04:43:08.384000
source_id	bigint The source identifier of the appliance that is providing data.	1
control_id	bigint The control identifier when the record was loaded.	12645

anl_conversation_message_recipient_history

Stores historical message recipients for each message in a conversation.

Table 69: anl_conversation_message_recipient_history table

Column	Description	Example
message_recipient_id	bigint The unique message recipient identifier.	11

Column	Description	Example
message_id	bigint The message identifier from the source.	12579497
to_user_id	bigint The user id of the person receiving the message.	775
to_user_login	varchar The user name of the person receiving the message.	johnsmith
created_at	datetime The date when the message was created.	2017-12-06 04:43:20.211000
updated_at	datetime The date when the message was updated.	2017-12-06 04:43:20.211000
source_id	bigint The source identifier of the appliance providing data.	1
control_id	bigint The control identifier when the record was loaded.	12646

anl_dim_activity_states

Stores a distinct set of activity states.

Table 70: anl_dim_activity_states table

Column	Description	Example
activity_state_id	bigint The unique id of the activity state.	3
activity_state	varchar The event activity state.	ACTIVE
created_at	datetime The creation date.	2017-12-06 04:38:19.599000
updated_at	datetime The last updated date.	2017-12-06 04:38:19.599000
source_id	bigint The source identifier of the appliance providing data.	1
control_id	bigint The control id, indicating when the record was loaded or updated.	12639

anl_dim_application_versions

Stores a distinct set of application versions.

Table 71: anl_dim_application_versions table

Column	Description	Example
application_version_id	bigint The unique id of the application version.	2
source_id	bigint The source id of the appliance providing the data.	1
application_version	varchar The application version.	4.4.6-1
created_at	datetime The creation date.	2017-12-06 04:32:58.457000
updated_at	datetime The last updated date.	2017-12-06 04:32:58.457000

Column	Description	Example
source_id	bigint The source id of the appliance providing data.	12637
control_id	bigint The control id, indicating when the record was loaded or updated.	

anl_dim_beds

Stores a distinct set of beds.

Table 72: anl_dim_beds table

Column	Description	Example
facility_id	bigint The unique facility id.	1
unit_id	bigint The unique unit id.	7
room_id	bigint The unique room id.	103
bed_id	bigint The unique bed id.	10
facility_name	varchar The facility name for the event.	MYHOSP
unit_name	varchar The unit name for the event.	06PP
room_name	varchar The room name for the event.	6029
bed_name	varchar The bed name for the event.	1
created_at	datetime The creation date.	2017-12-06 04:37:15.910000
updated_at	datetime The last updated date.	2017-12-06 04:37:15.910000
control_id	bigint The control id, indicating when the record was loaded or updated.	12639
source_id	bigint The source id of the appliance providing data.	1

anl_dim_care_team_members

Stores a distinct set of care team members, normalized by each member.

Table 73: anl_dim_care_team_members table

Column	Description	Example
care_team_id	bigint The care team id.	12
care_team_member_id	bigint The unique care team member id.	4
care_team_name	varchar The hash summary of the care team name.	
care_team_member	varchar The user that is part of of the care team.	

Column	Description	Example
created_at	datetime The creation date.	2017-12-06 04:38:58.325000
updated_at	datetime The last updated date.	2017-12-06 04:38:58.325000
source_id	int The source id of the appliance providing data.	1
control_id	bigint The control id, indicating when the record was loaded or updated.	12639

anl_dim_care_teams

Stores a distinct set of care teams.

Table 74: anl_dim_care_teams table

Column	Description	Example
care_team_id	bigint The unique care team id.	2
care_team_name	varchar The hash key of the care team member list.	
created_at	datetime The creation date.	2017-12-06 04:38:42.643000
updated_at	datetime The last updated date.	2017-12-06 04:38:42.643000
source_id	int The source id of the appliance providing the data.	1
control_id	bigint The control id, indicating when the record was loaded or updated.	12639

anl_dim_conversation_types

Stores a distinct set of conversation types.

Table 75: anl_dim_conversation_types table

Column	Description	Example
conversation_type_id	int The unique conversation type id.	1
conversation_type	varchar The conversation type (for example: GROUP-CLINICAL, GROUP-ADHOC, ONE-ON-ONE).	GROUP-CLINICAL
created_at	datetime The creation date.	2017-12-06 04:42:44.357000
updated_at	datetime The date that this entry was last updated.	2017-12-06 04:42:44.357000
source_id	int The source id of the appliance providing data.	1
control_id	bigint The control id, indicating when the record was loaded or updated.	12644

anl_dim_department_cross_reference

Stores denormalized crosswalk units to departments.

Table 76: anl_dim_department_cross_reference table

Column	Description
department_cross_reference_id	bigint The department cross-reference id.
site_id	bigint The unique site id.
site_name	varchar The site name.
facility_id	bigint The unique facility id.
facility_name	varchar The facility name.
department_id	bigint The unique department id.
department_name	varchar The department name.
facility_id	bigint The unique facility id.
facility_name	varchar The facility name.
engage_units_hash	varchar The Engage units hash table entry.
engage_units	mediumtext The Engage units.
xref_started	datetime The date that the cross-reference was started.
xref_ended	datetime The date that the cross-reference was ended.
created_at	datetime The date that the cross-reference was created.
control_id	bigint The control id, indicating when the record was loaded or updated.
source_id	bigint The source id of the appliance providing data.

anl_dim_departments

Stores a distinct set of crosswalk departments.

Table 77: anl_dim_departments table

Column	Description
department_id	bigint The unique department id.
department_name	varchar The department name.
site_id	bigint The unique site identifier.
site_name	varchar The site name.
created_at	datetime The date that the message was created.

Column	Description
updated_at	datetime The date that the message was updated.
control_id	bigint Control identifier, indicating when the record was loaded or updated.
source_id	bigint The source id of the appliance providing data.

anl_dim_device_status

Stores a distinct set of device statuses.

Table 78: anl_dim_device_status table

Column	Description	Example
status_id	bigint The unique device status id.	2
source_id	bigint The source id of the appliance providing data.	1
status_name	varchar The device status (Registered, Disconnected, Delivery, UnRegistered).	Registered
created_at	datetime The creation date.	2017-12-06 04:32:31.069000
updated_at	datetime The last updated date.	2017-12-06 04:32:31.069000
control_id	bigint The control id, indicating when the record was loaded or updated.	12637

anl_dim_device_vendors

Stores a distinct set of device vendors.

Table 79: anl_dim_device_vendors table

Column	Description	Example
vendor_id	bigint The unique device vendor id.	2
source_id	bigint The source identifier of the appliance providing data.	1
vendor	varchar The device vendor.	XMPP
created_at	datetime The creation date.	2017-12-06 04:32:38.008000
updated_at	datetime The last updated date.	2017-12-06 04:32:38.008000
control_id	bigint The control id, indicating when the record was loaded or updated.	12637

anl_dim_devices

Stores devices and associated attributes: hardware version, line number, OS version, UUID, vendor where applicable.

Table 80: anl_dim_devices table

Column	Description	Example
device_id	bigint The unique device id.	4
source_id	bigint The source id of the appliance providing data.	1
identifier	varchar The device id.	
hardware_version_id	int The hardware version id.	1
hardware_version	varchar The name of the hardware version.	Spectralink8741 Pivot (Virtual)
os_version_id	int The OS version id.	1
os_version	varchar The name of the OS version.	4.1.2
vendor_id	int The device vendor id.	2
vendor	varchar The device vendor.	XMPP
application_version_id	bigint The unique application version id.	2
application_version	varchar The application version name.	4.4.6-1
uuid	varchar The universal unique id for the device.	
line_number	varchar The line number for the device.	10263
created_at	datetime The creation date.	2018-01-03 20:12:22.526000
updated_at	datetime The last updated date.	2018-01-03 20:12:22.526000
control_id	bigint The control id, indicating when the record was loaded or updated.	25637

anl_dim_event_classes

Stores a distinct set of event classes.

Table 81: anl_dim_event_classes table

Column	Description	Example
event_class_id	bigint The unique event class id.	1
event_class_name	varchar The source of the alarm or alert (for example: ORDER, NURSE CALLS, LAB TEST, PATIENT MONITOR, REPORT).	NURSE CALLS
created_at	datetime The creation date.	2017-12-06 04:35:08.937000
updated_at	datetime The last updated date.	2017-12-06 04:35:08.937000
control_id	bigint The control id, indicating when the record was loaded or updated.	12638

Column	Description	Example
source_id	bigint The source id of the appliance providing data.	1

anl_dim_event_paths

Stores a distinct set of event paths (for example: Clinical Path 1, Clinical Path 2).

Table 82: anl_dim_event_paths table

Column	Description	Example
event_path_id	bigint The unique path identifier.	1
event_path_name	varchar The path name (for example: NURSE CALL PATH 1, UNDELIVERED, SUPPRESSED).	NURSE CALL PATH 1
created_at	datetime The creation date.	2017-12-06 04:35:27.461000
updated_at	datetime The last updated date.	2017-12-06 04:35:27.461000
control_id	bigint The control id, indicating when the record was loaded or updated.	12638
source_id	bigint The source id of the appliance providing data.	1

anl_dim_event_types

Stores a distinct set of alert/alarm types.

Table 83: anl_dim_event_types table

Column	Description	Example
event_type_id	bigint The unique event type identifier.	2
event_type_name	varchar The alert/alarm description (for example: APNEA, ASYSTOLE).	LABTESTS
created_at	datetime The creation date.	2017-12-06 04:35:18.178000
updated_at	datetime The last updated date.	2017-12-06 04:35:18.178000
control_id	bigint The control id, indicating when the record was loaded or updated.	12638
source_id	bigint The source identifier of the appliance providing data.	1

anl_dim_facilities

Stores a distinct set of facilities.

Table 84: anl_dim_facilities table

Column	Description	Example
facility_id	bigint The unique facility identifier.	1
facility_name	varchar The facility name.	MYHOSPITAL

Column	Description	Example
created_at	datetime The creation date.	2017-12-06 04:33:40.193000
updated_at	datetime The last updated date.	2017-12-06 04:33:40.193000
control_id	bigint The control id, indicating when the record was loaded or updated.	12637
source_id	bigint The source identifier of the appliance providing data.	1

anl_dim_hardware_versions

Stores a distinct set of device hardware versions.

Table 85: anl_dim_hardware_versions table

Column	Description	Example
hardware_version_id	int The hardware version id.	1
source_id	bigint The source id of the appliance providing data.	1
hardware_version	varchar The hardware version name.	Spectralink8741 Pivot (Virtual)
created_at	datetime The creation date.	2017-12-06 04:32:51.168000
updated_at	datetime The last updated date.	2017-12-06 04:32:51.168000
control_id	bigint The control id, indicating when the record was loaded or updated.	12637

anl_dim_os_versions

Stores a distinct set of device OS versions.

Table 86: anl_dim_os_versions table

Column	Description	Example
os_version_id	int The OS version id.	1
source_id	bigint The source id of the appliance providing data.	1
os_version	varchar The OS version name.	4.1.2
created_at	datetime The creation date.	2017-12-06 04:32:44.520000
updated_at	datetime The date last updated.	2017-12-06 04:32:44.520000
control_id	bigint The control id, indicating when the record was loaded or updated.	12637

anl_dim_priorities

Stores a distinct set of priorities.

Table 87: anl_dim_priorities table

Column	Description	Example
priority_id	bigint The unique priority identifier.	1
priority_name	varchar The priority name (for example: HARD INOP).	RED ALARM
created_at	datetime The creation date.	2017-12-06 04:38:30.859000
updated_at	datetime The last updated date.	2017-12-06 04:38:30.859000
control_id	bigint The control id, indicating when the record was loaded or updated.	12639
source_id	bigint The source id of the appliance providing data.	1

anl_dim_recipients

Stores a distinct set of delivery recipients.

Table 88: anl_dim_recipients table

Column	Description
recipient_id	bigint The unique delivery recipient id.
recipient_name	varchar The user name of the recipient.
created_at	datetime The creation date.
updated_at	datetime The last updated date.
source_id	bigint The source id of the appliance providing data.
control_id	bigint The control id, indicating when the record was loaded or updated.

anl_dim_rooms

Stores a distinct set of rooms for a given unit and facility.

Table 89: anl_dim_rooms table

Column	Description	Example
facility_id	bigint The unique facility id.	1
unit_id	bigint The unique unit id.	12
room_id	bigint The unique room id.	3
facility_name	varchar The facility name.	MYHOSPITAL
unit_name	varchar The unit name.	14SRG
room_name	varchar The room name.	14003

Column	Description	Example
created_at	datetime The creation date.	2017-12-06 04:36:51.052000
updated_at	datetime The last updated date.	2017-12-06 04:36:51.052000
control_id	bigint The control id, indicating when the record was loaded or updated.	12639
source_id	bigint The source id of the appliance providing data.	1

anl_dim_site_cross_reference

Stores denormalized crosswalk facilities to sites.

Table 90: anl_dim_site_cross_reference table

Column	Description
site_cross_reference_id	bigint The site cross-reference id.
site_id	bigint The unique site id.
site_name	varchar The site name.
engage_facilities_hash	varchar The Engage facilities hash table entry.
engage_facilities	mediumtext The Engage facilities.
xref_started	datetime The date that the cross-reference was started.
xref_ended	datetime The date that the cross-reference was ended.
created_at	datetime The date that the cross-reference was created.
control_id	bigint The source id of the appliance providing data.
source_id	bigint The control id, indicating when the record was loaded or updated.

anl_dim_sites

Stores a distinct set of crosswalk sites.

Table 91: anl_dim_sites table

Column	Description
site_id	bigint The unique site id.
site_name	varchar The site name.
created_at	datetime The message creation date.
updated_at	datetime The date when the message was updated.

Column	Description
control_id	bigint The control id, indicating when the record was loaded or updated.
source_id	bigint The source id of the appliance providing data.

anl_dim_sources

Stores a distinct set of appliances.

Table 92: anl_dim_sources table

Column	Description	Example
source_id	bigint The unique source id.	1
source_name	varchar The name of the appliance that is supplying data.	Vocera
created_at	datetime The creation date.	2017-12-06 04:32:18.491000
updated_at	datetime The last updated date.	2017-12-06 04:32:18.491000
control_id	bigint The control id, indicating when the record was loaded or updated.	12637

anl_dim_states

Stores a distinct set of states.

Table 93: anl_dim_states table

Column	Description	Example
state_id	bigint The unique state id.	1
state	varchar The event state (PRIMARY, SECONDARY, TERTIARY).	NOCAREGIVERS
created_at	datetime The creation date.	2017-12-06 04:38:08.089000
updated_at	datetime The last updated date.	2017-12-06 04:38:08.089000
source_id	bigint The source id of the appliance providing data.	1
control_id	bigint The control id, indicating when the record was loaded or updated.	12639

anl_dim_tiers

Stores a distinct set of tiers of escalation for each event. These tiers are used in the client's alert escalation strategy.

Table 94: anl_dim_tiers table

Column	Description	Example
event_id	bigint The event id.	4457548
tier_id	bigint The unique tier id.	3

Column	Description	Example
tier_name	varchar The name of this tier in the escalation.	PRIMARY
tier_started	datetime The start date for when the tier applies for the given event.	2017-11-14 08:54:23.270000
tier_ended	datetime The end date for when the tier applies for the given event.	2199-12-31 00:00:00.000000
created_at	datetime The creation date.	2017-12-06 04:39:36.358000
updated_at	datetime The last updated date.	2017-12-06 04:39:36.358000
source_id	bigint The source id of the appliance providing data.	1
control_id	bigint The control id, indicating when the record was loaded or updated.	12639

anl_dim_units

Stores a distinct set of units for a given facility.

Table 95: anl_dim_units table

Column	Description	Example
facility_id	bigint The facility id.	1
unit_id	bigint The unique unit id.	3
facility_name	varchar The event facility name.	MYHOSPITAL
unit_name	varchar The event unit name.	06PP
created_at	datetime The creation date.	2017-12-06 04:33:48.442000
updated_at	datetime The last updated date.	2017-12-06 04:33:48.442000
control_id	bigint The source id of the appliance providing data.	12637
source_id	bigint The control id, indicating when the record was loaded or updated.	1

anl_dim_user_devices

Stores users and device use over time (use start, use end).

Table 96: anl_dim_user_devices table

Column	Description	Example
user_device_id	bigint The unique id of the device user.	1
source_id	bigint The source id of the appliance providing the data.	1
device_id	bigint The device id.	13

Column	Description	Example
device_identifier	varchar The device identifier.	02af6b70-ba1b-423b-a3d5-0b001c1430c3
user_id	bigint The user id.	82
user_login	varchar The user login name.	johnsmith
device_use_started	datetime The time of the first activity of the user and device (Registered, Disconnected, Deliver).	2017-11-14 10:03:38.444000
device_use_ended	datetime The time of the last activity of the user and device (Disconnected, UnRegistered).	2017-11-15 08:29:56.570000
created_at	datetime The creation date.	2017-12-06 04:34:26.899000
updated_at	datetime The last updated date.	2017-12-06 04:34:26.899000
control_id	bigint The control id, indicating when the record was loaded or updated.	12637

anl_dim_users

Stores a distinct set of users (for example: XMPP, Care teams, delivery recipients).

Table 97: anl_dim_users table

Column	Description	Example
user_id	bigint The unique user id.	2
user_login	varchar The user's login name.	johnsmith
user_first_name	varchar The user's first name.	John
user_middle_initial	varchar The user's middle initial, if provided.	
user_last_name	varchar The user's last name.	Smith
user_title	varchar The user's title.	Registered Nurse I
user_email	varchar The user's email address.	jsmith@companyname.com
user_unit_id	varchar The user's unit id.	20
user_unit_name	varchar The user's unit name.	07PP
user_facility_id	varchar The user's facility id.	1
user_facility_name	varchar The user's facility name.	MYHOSPITAL
created_at	datetime The creation date.	2017-12-06 04:34:11.009000
updated_at	datetime The last updated date.	2017-12-06 04:34:11.009000

Column	Description	Example
source_id	bigint The source id of the appliance providing data.	1
control_id	bigint The control id, indicating when the record was loaded or updated.	12637

anl_event_child_history

Tracks the child event for reprocessing (ETL only, not for reports).

Table 98: anl_event_child_history table

Column	Description
source_id	bigint The source id of the appliance providing data.
event_id	bigint The event identifier from the source.
child_event_id	bigint The child event id from the source.
control_id	bigint The control id from the source.
created_at	datetime The date when the conversation was created.

anl_event_delivery_detail_history

Stores historical deliveries details tied to an event as deliveries change over time.

Table 99: anl_event_delivery_detail_history table

Column	Description	Example
event_delivery_detail_history_id	bigint The unique event delivery detail history id.	4
event_delivery_id	bigint The event delivery id.	9624411
delivery_created_at	datetime The date and time on which the delivery was created.	2017-11-14 08:54:29.753000
delivery_date	datetime The date on which the delivery was created, if provided.	
delivery_processing_time	decimal The amount of time needed to process delivery notification.	180.0000000
delivery_status	varchar The status of the delivery notification (for example, Pending, Queued, Delivered, Error).	Pending
delivery_status_text	varchar The delivery notification status text. This is normally used when an error occurred in delivery.	Room expired
created_at	datetime The system-generated date and time on which this entry was created.	2017-11-14 09:01:46.182000
source_id	bigint The source id of the appliance providing data.	1
control_id	bigint The control id, indicating when the record was loaded.	12642

anl_event_delivery_history

Stores historical deliveries tied to an event.

Table 100: anl_event_delivery_history table

Column	Description	Example
event_id	bigint The unique event id.	4457523
event_delivery_id	bigint The unique event delivery id.	9624454
delivery_created_at	datetime The system generated date and time.	2017-11-14 08:52:57.845000
delivery_interface_name	varchar The interface used to send delivery notification.	XMPP
delivery_recipient_id	bigint The unique delivery recipient id.	743
delivery_recipient_name	varchar The user name of the delivery notification recipient.	johnsmith
delivery_tier_id	bigint The unique delivery tier id.	6664
delivery_tier_name	varchar The delivery tier name (for example: PRIMARY, SECONDARY, TERTIARY).	SECONDARY
rule_template_id	bigint The rule template tier id.	242
delivered	smallint The delivered flag: 1 if delivered, 0 if not.	1
delivered_at	datetime The delivered timestamp (defined if delivered is 1).	2017-11-14 08:53:00.122000
created_at	datetime A system-generated timestamp indicating when this table entry was created.	2017-12-06 04:41:07.420807
source_id	bigint The source id of the appliance providing data.	1
control_id	bigint The control identifier, indicating when the record was loaded.	12640
er_active	int Indicates whether delivered within escalation time interval (1-true, 0-false).	1

anl_event_detail_history

Stores historical event details/states as the events change over time.

Table 101: anl_event_detail_history table

Column	Description	Example
event_detail_id	bigint The unique event detail id.	4
event_id	bigint The unique event id.	4457523
event_care_team_id	bigint The unique event care team id.	159
event_care_team_name	varchar The event care team name (or email address).	johnsmith@companyname.com

Column	Description	Example
event_state_id	bigint The unique state id.	3
event_state	varchar The event state (for example: SECONDARY, TERTIARY, NOCAREGIVERS).	SECONDARY
event_activity_state_id	bigint The unique activity state id.	3
event_activity_state	varchar The event activity state (for example: ACTIVE, INACTIVE).	ACTIVE
event_priority_id	bigint The unique priority id.	1
event_priority_name	varchar The event priority name (for example: LOW, RED ALARM).	RED ALARM
event_updated_at	datetime The system-generated update date.	2017-11-14 08:56:02.205000
created_at	datetime The system-generated creation date.	2017-12-06 04:40:02.930993
source_id	bigint The source id of the appliance providing data.	1
control_id	bigint The control identifier, indicating when the record was loaded.	12639

anl_event_history

Stores historical events.

Table 102: anl_event_history table

Column	Description	Example
event_id	bigint The unique event id.	4457523
event_type_id	bigint The unique event type id.	42
event_type_name	varchar The type of alarm/alert (for example: APNEA, ASYSTOLE).	IN PAIN
parent_event_id	bigint The parent event id. If no parent event exists, use the default of -1.	-1
event_class_id	bigint The event class identifier.	4
event_class_name	varchar The event class, which is the source of the alarm or alert (for example: NURSE CALLS, ORDER).	NURSE CALLS
event_year	int The year that the event was created.	2017
event_month	int The month that the event was created.	11
event_day	int The day that the event was created.	14
event_shift	int The shift on which the event was created.	1
event_hour	int The hour at which the event was created.	8

Column	Description	Example
event_created_at	datetime The event creation date.	2017-11-14 08:52:57.271000
event_path_id	bigint The event path id.	
event_path_name	varchar The event path name (for example: NURSE CALL PATH 1).	NURSE CALL PATH 1
event_time	int Not populated.	
created_at	datetime The system-generated date that this entry was created.	2017-12-06 04:35:48.297637
source_id	bigint The source id of the appliance providing data.	1
control_id	bigint The control identifier, indicating when the record was loaded.	1268
er_state	varchar The ER state (for example: OPEN).	OPEN
er_state_changed	datetime The date that the ER state was changed.	2017-12-06 04:35:38.230000

anl_event_location_history

Stores historical event location/facility/unit/room/bed as the events change over time.

Table 103: anl_event_location_history table

Column	Description	Example
event_location_id	bigint The unique event location id.	2
event_id	bigint The unique event delivery id.	4457994
event_facility_id	bigint The unique event facility id.	1
event_facility_name	varchar The event facility name.	MYHOSPITAL
event_unit_id	bigint The unique unit id.	7
event_unit_name	varchar The event unit name.	08SRG
event_room_id	bigint The unique room id.	462
event_room_name	varchar The event room name.	8070
event_bed_id	bigint The unique bed id.	380
event_bed_name	varchar The event bed name.	1
event_patient_id	bigint The unique patient id.	519
event_updated_at	datetime The system-created update date.	2017-11-14 10:10:17.280000
created_at	datetime The system-created creation date.	2017-12-06 04:37:49.904579

Column	Description	Example
source_id	bigint The source id of the appliance providing data.	1
control_id	bigint The control identifier, indicating when the record was loaded.	12639

anl_event_response_history

Stores historical responses tied to an event.

Table 104: anl_event_response_history table

Column	Description	Example
event_id	bigint The unique event id.	4457720
event_delivery_id	bigint The unique event delivery id.	9624695
event_response_id	bigint The unique event response id.	336621
response_created_at	datetime The response creation date.	2017-11-14 09:25:03.047000
response_action	varchar Attribute indicating if accepted/declined/not responded (for example: Accepted, Decline Primary).	Accepted
response_tier_id	bigint The unique response tier id.	265
response_tier_name	varchar The response tier name (for example: PRIMARY, SECONDARY, TERTIARY).	PRIMARY
response_recipient_id	bigint The unique response tier id.	524
response_recipient_name	varchar The response recipient name.	johnsmith
accepted	int The accepted flag (set to 1 if the event was accepted).	1
declined	int The declined flag (set to 1 if the event was declined).	0
responded	int The responded flag (set to 1 if there was a response).	1
notresponded	int The not responded flag (set to 1 if there was no response).	0
response_time	float The calculated response time aligned to a tier, from creation of response to start of tier.	22.58
created_at	datetime The system-generated creation date.	2017-12-06 04:42:24.168000
source_id	bigint The source id of the appliance providing data.	1
control_id	bigint The control identifier, indicating when the record was loaded.	12643
er_active	int Indicates whether delivered within escalation time interval (1-true, 0-false).	1

anl_registration_transaction_history

Stores historical device registration.

Table 105: anl_registration_transaction_history table

Column	Description	Example
registration_transaction_id	bigint The unique registration transaction id.	240
source_id	bigint The source id of the appliance providing data.	1
user_id	bigint The user id of the device user.	561
user_login	varchar The user login name of the device user.	johnsmith
device_id	bigint The device id from the source.	933
device_identifier	varchar The device identifier from the source.	88e75969-8d08-4470-bcd1-e33ab95e8afd
device_status_id	bigint The device status id.	2
device_status	varchar The device status (for example: Registered, Delivery).	Registered
device_ip_address	varchar The IP address of the device.	10.0.0.0
device_previous_ip_address	varchar The previously used IP address of the device.	10.1.1.1
device_wireless_strength	varchar The strength of the wireless connection to the device.	75
device_previous_wireless_strength	varchar The strength of the previous wireless connection to the device.	90
device_access_point	varchar The device access point.	
device_previous_access_point	varchar The previous device access point.	
device_line_number	varchar The device line number.	10543
registration_created_at	datetime The registration creation date.	2017-11-14 16:05:01.826000
created_at	datetime The table entry creation date.	2017-12-06 04:34:42.275000
updated_at	datetime The last updated date.	
control_id	bigint The control id, indicating when the record was loaded or updated.	12637

Engage Report Summary Tables

These tables generate Engage report summaries.

anl_rpt_bed_summary_detail

Holds report metrics for the Bed Summary Detail and Bed Summary reports.

Table 106: anl_rpt_bed_summary_detail table

Column	Description	Example
source_id	bigint The source id of the appliance providing data.	1
source_name	varchar The source name.	MySourceName
tier_id	bigint The unique tier id.	411415
tier_name	varchar The tier name (for example: PRIMARY, SECONDARY, TERTIARY, NOCAREGIVERS).	PRIMARY
facility_id	bigint The unique facility id.	1
facility_name	varchar The event facility name.	MYHOSPITAL
unit_id	bigint The unique unit id.	13
unit_name	varchar The event unit name.	16SRG
room_id	bigint The unique room id.	870
room_name	varchar The event room name.	16024
bed_id	bigint The unique bed id.	942
bed_name	varchar The event bed name.	1
priority_id	bigint The unique priority id.	2
priority_name	varchar The event priority name (for example: LOW, RED ALARM).	LOW
event_class_id	bigint The unique event class id.	4
event_class_name	varchar The source of the alarm/alert (for example: NURSE CALLS, PATIENT MONITOR).	NURSE CALLS
event_type_id	bigint The unique event type id.	68
event_type_name	varchar The type of the alarm/alert (for example: PATIENT, GO TO TOILET).	PATIENT
report_date	datetime The system-generated report date.	2017-12-05 00:00:03.356000
event_count	int The total number of alarms/alerts.	1
delivered_count	int The number of delivered alarms/alerts.	1
accepted_count	int The number of accepted alarms/alerts.	1

Column	Description	Example
declined_count	int The number of declined alarms/alerts.	0
notresponded_count	int The number of alarms/alerts for which there was no reply.	0
avg_responded_time	double The average alarm/alert reply time.	0.164
high_accepted_time	double The longest alarm/alert accepted time.	
avg_accepted_time	double The average alarm/alert accepted time.	
low_accepted_time	double The shortest alarm/alert accepted time.	
high_declined_time	double The longest alarm/alert declined time.	
avg_declined_time	double The average alarm/alert declined time.	
low_declined_time	double The shortest alarm/alert declined time.	
high_notresponded_time	double The longest alarm/alert no reply time.	
avg_notresponded_time	double The average alarm/alert no reply time.	
low_notresponded_time	double The shortest alarm/alert no reply time.	
event_delay	double The delay time between the event creation and the start of the tier.	0.164
total_time	double The total time between the event creation and the first accept/decline response.	

anl_rpt_mobile_user_activity

Holds report metrics for the Mobile Activity Unit Summary and Mobile Activity User Summary reports.

Table 107: anl_rpt_mobile_user_activity table

Column	Description	Example
source_id	bigint The source id of the appliance providing data.	1
source_name	varchar The source name.	MySourceName
user_id	bigint The unique user id.	1
user_login	varchar The user login name.	johnsmith
facility_id	bigint The unique facility id.	1
facility_name	varchar The event facility name.	MYHOSPITAL
unit_id	bigint The unique unit id.	28

Column	Description	Example
unit_name	varchar The event unit name.	REHAB
event_class_id	bigint The unique class id.	3
event_class_name	varchar The source of the alarm/alert (Clinical, Nursecall).	PATIENT MONITOR
report_date	datetime The system-generated report date.	2017-12-06 05:00:00.000000
event_count	int The total number of alarms/alerts.	2
delivered_count	int The number of delivered alarms/alerts.	2
accepted_count	int The number of accepted alarms/alerts.	0
declined_count	int The number of declined alarms/alerts.	0
notresponded_count	int The number of alarms/alerts for which there was no reply.	2
textmessage_count	int The text message count.	0
avg_responded_time	double The average alarm/alert reply time.	30.12
high_accepted_time	double The longest alarm/alert accepted time.	
avg_accepted_time	double The average alarm/alert accepted time.	
low_accepted_time	double The shortest alarm/alert accepted time.	
high_declined_time	double The longest alarm/alert declined time.	
avg_declined_time	double The average alarm/alert declined time.	
low_declined_time	double The shortest alarm/alert declined time.	
high_notresponded_time	double The longest alarm/alert no reply time.	30.12
avg_notresponded_time	double The average alarm/alert no reply time.	30.12
low_notresponded_time	double The shortest alarm/alert no reply time.	30.12
event_delay	double The delay time between the event creation and the start of the tier.	15.628
total_time	double The total time between the event creation and the first accept/decline response.	

anl_rpt_nurse_detail

Holds report metrics for the Nurse Summary and Nurse Detail reports.

Table 108: anl_rpt_nurse_detail table

Column	Description	Example
source_id	bigint The source id of the appliance providing data.	1
source_name	varchar The source name.	MySourceName
user_id	bigint The unique user id.	554
user_login	varchar The user login name.	johnsmith
tier_id	bigint The unique tier id.	411415
tier_name	varchar The tier name (for example: PRIMARY, SECONDARY, TERTIARY).	PRIMARY
facility_id	bigint The facility id.	1
facility_name	varchar The event facility name.	MYHOSPITAL
unit_id	bigint The unique unit id.	13
unit_name	varchar The event unit name.	16SRG
room_id	bigint The unique room id.	870
room_name	varchar The event room name.	16024
bed_id	bigint The unique bed id.	942
bed_name	varchar The event bed name.	1
priority_id	bigint The unique priority id.	2
priority_name	varchar The event priority name (for example: LOW, RED ALARM).	LOW
event_type_id	bigint The unique event type id.	68
event_type_name	varchar The type of alarm/alert (for example: APNEA, ASYSTOLE).	PATIENT
event_class_id	bigint The unique class id.	4
event_class_name	varchar The source of the alarm/alert (for example: NURSE CALLS, PATIENT MONITOR).	NURSE CALLS
report_date	datetime The system-generated report date.	2017-12-05 00:00:03.356000
event_count	int The total number of alarms/alerts.	1
delivered_count	int The number of delivered alarms/alerts.	1
accepted_count	int The number of accepted alarms/alerts.	0

Column	Description	Example
declined_count	int The number of declined alarms/alerts.	0
notresponded_count	int The number of alarms/alerts for which there was no reply.	1
avg_responded_time	double The average alarm/alert reply time.	61.023
high_accepted_time	double The longest alarm/alert accepted time.	
avg_accepted_time	double The average alarm/alert accepted time.	
low_accepted_time	double The shortest alarm/alert accepted time.	
high_declined_time	double The longest alarm/alert declined time.	
avg_declined_time	double The average alarm/alert declined time.	
low_declined_time	double The shortest alarm/alert declined time.	
high_notresponded_time	double The longest alarm/alert no reply time.	61.023
avg_notresponded_time	double The average alarm/alert no reply time.	61.023
low_notresponded_time	double The shortest alarm/alert no reply time.	61.023
event_delay	double The delay time between the event creation and the start of the tier.	0.345
total_time	double The total time between the event creation and the first accept/decline response.	

anl_rpt_unit_summary_detail

Holds report metrics for the Unit Summary and Unit Summary Detail reports.

Table 109: anl_rpt_unit_summary_detail table

Column	Description	Example
source_id	bigint The source id of the appliance providing data.	1
source_name	varchar The source name.	MySourceName
report_date	datetime The system-generated report date.	2017-12-05 00:00:00.000000
tier_id	bigint The unique tier id.	411344
tier_name	varchar The tier name (for example: PRIMARY, SECONDARY, TERTIARY, NOCAREGIVERS).	PRIMARY
facility_id	bigint The unique facility id.	1
facility_name	varchar The event facility name.	MYHOSPITAL

Column	Description	Example
unit_id	bigint The unique unit id.	27
unit_name	varchar The event unit name.	PACU
priority_id	bigint The unique priority id.	3
priority_name	varchar The event priority name (for example: HARD INOP, LOW).	HARD INOP
event_class_id	bigint The unique class id.	3
event_class_name	varchar The source of the alarm/alert (for example: PATIENT MONITOR, NURSE CALLS).	
event_type_id	bigint The unique event type id.	12
event_type_name	varchar The type of alarm/alert (for example: APNEA, ASYSTOLE).	***LEADS OFF
event_count	int The total number of alarms/alerts.	1
delivered_count	int The number of delivered alarms/alerts.	1
accepted_count	int The number of accepted alarms/alerts.	1
declined_count	int The number of declined alarms/alerts.	0
notresponded_count	int The number of alarms/alerts for which there was no reply.	0
avg_responded_time	double The average alarm/alert reply time.	20.246
high_accepted_time	double The longest alarm/alert accepted time.	20.246
avg_accepted_time	double The average alarm/alert accepted time.	20.246
low_accepted_time	double The shortest alarm/alert accepted time.	20.246
high_declined_time	double The longest alarm/alert declined time.	
avg_declined_time	double The average alarm/alert declined time.	
low_declined_time	double The shortest alarm/alert declined time.	
high_notresponded_time	double The longest alarm/alert no reply time.	
avg_notresponded_time	double The average alarm/alert no reply time.	
low_notresponded_time	double The shortest alarm/alert no reply time.	
event_delay	double The delay time between the event creation and the start of the tier.	0.323

Column	Description	Example
total_time	double The total time between the event creation and the first accept/ decline response.	21.045

CrossWalk Tables

These tables provide the connections between the Vocera Voice Server data tables and the Engage data tables.

cwfacility

CrossWalk table delivering Vocera Voice Server facility details and Engage facility details.

Table 110: cwfacility table

Column	Description	Example
common_facility_id	bigint Displays the common facility id.	
source_id	bigint Displays the common source id.	
common_facility_name	varchar Displays the common facility name.	
vs_site_name	varchar Displays the Vocera Voice Server facility name.	
engage_facility_name	varchar Displays the Engage facility name.	
created_at	datetime The date when the record was created.	

Primary Key (common_facility_id)

cwunit

CrossWalk table delivering Vocera Voice Server unit details and Engage unit details.

Table 111: cwunit table

Column	Description	Example
common_unit_id	bigint Displays the common unit id.	
source_id	bigint Displays the common source id.	
common_unit_name	varchar Displays the common unit name.	UnitName
vs_department_name	varchar Displays the Vocera Voice Server unit id.	g-dpeartmentname
engage_unit_name	varchar Displays the Engage unit name.	
vs_site_name	varchar Displays the Vocera Voice Server facility name.	MySiteName
engage_facility_name	varchar Displays the Engage facility name.	
common_unit_name_with_facility	varchar Displays the common unit. For duplicate units, the facility is displayed. For non-duplicate units, common_unit_name is displayed.	UnitName(MySiteName)

Column	Description	Example
created_at	datetime The date when the record was created.	

Primary Key (common_unit_id)

Database View Tables

These database views are useful for the report writer.

v_cwunits

This view lists the relationships between facilities/sites and units/departments, which will be used in filter criteria.

Table 112: v_cwunits table

Column	Description	Example
common_unit_id	bigint The unique unit id for this record.	7
source_id	bigint The source id.	0
common_unit_name	varchar The name of the unit.	2100(StBarnabas-1011-site1)
vs_department_name	varchar The name of the department.	g-2100
engage_unit_name	varchar The Engage unit name.	06PP
vs_site_name	varchar The Vocera Voice Server site name.	StBarnabas-1011-site1
engage_facility_name	varchar The name of the Engage facility.	HATH
created_at	timestamp The date and time that this record was created.	2018-04-30 22:11:14
common_facility_id	bigint The facility id.	34
common_facility_name	varchar The facility name.	HATH
facility_source_id	int The facility source id.	0
facility_vs_site_name	varchar The Vocera Voice Server facility site name.	StBarnabas-1011-site1
facility_engage_facility_name	varchar The Engage facility name.	HATH
facility_created_at	timestamp The date at which the facility record was created.	2018-04-30 22:11:18

v_dimgroups

This view gets group data from Vocera Voice Server groups and VMP distribution lists.

Table 113: v_dimgroups table

Column	Description	Example
groupid	varchar The internal group id for Vocera Voice Server groups, and the internal distribution list id for VMP distribution lists.	g-everyone-s-cupertino
vmpld	bigint The VMP id for the group.	5062
name	varchar The group name.	Everyone-Cupertino
Type	varchar The group type (for example: Ordinary, Department, Subdepartment).	Ordinary
siteName	varchar The home site for the group.	Community 1
siteld	varchar The id of the group's site.	s-community1
isDeleted	tinyint Whether the group has been deleted (1=yes, 0=no).	0
ActualGroupName	varchar The actual group name.	2100 Nurse
GroupDepartment	varchar A comma-separated list of internal Vocera Voice Server department ids.	g-2100

v_dimgroupsdepartments

This view maps Vocera Voice Server internal group ids to VMP distribution list internal ids and department mappings.

Table 114: v_dimgroupsdepartments

Column	Description	Example
groupid	bigint The unique group id.	4948
vmpld	bigint The VMP id.	7
name	varchar The group name.	Support Test
type	varchar The group type.	R
siteName	varchar The site name for the group.	MySiteName
siteld	varchar The id of the group's site.	s-mysitename
isDeleted	tinyint Whether the group has been deleted (1=yes, 2=no).	0
departments	varchar The comma-separated list of internal Vocera Voice Server department ids.	g-2100,g-21000

v_dimgroupsusers

Single view of the Vocera Voice Server group ID and user id, and of the VMP distribution list id and internal user id.

Table 115: v_dimgroupsusers table

Column	Description	Example
userId	varchar For Vocera Voice Server users, this is the Vocera Voice Server internal id. For standalone VMP users, this is the VMP internal id. For Vocera Secure Texting users, this id is negative.	u-myusername
groupId	varchar For Vocera Voice Server groups, this is the internal Vocera Voice Server group id. For VMP distribution lists, this is the internal VMP distribution list id.	g-mygroupname
type	bigint The group type (Group or DistList).	DistList

v_dimsites

This view maps from internal Vocera Voice Server site ids and names to VMP internal site ids.

Table 116: v_dimsites

Column	Description	Example
site_id	varchar The Vocera Voice Server site id.	s-mysitename
siteName	varchar The Vocera Voice Server site name.	MySiteName
vmpSiteId	bigint The VMP site id.	2

v_dimusers

The single distinct view of users from VMP and the Vocera Voice Server.

Table 117: v_dimusers table

Column	Description	Example
Id	varchar For Vocera Voice Server users, this is the Vocera Voice Server internal id. For standalone VMP users, this is the VMP internal id. For Vocera Secure Texting users, this id is negative.	u-jsmith
Name	varchar The user name.	Smith, John
FirstName	varchar The user's first name.	John
LastName	varchar The user's last name.	Smith
UserName	varchar The user's username.	JohnSmith
siteId	varchar The id for the user's site.	s-mysitename
userType	varchar The user type (Ordinary User or Address Book Entry).	Ordinary User
isDeleted	tinyint Whether the user has been deleted (1=yes, 2=no).	0

v_dimusersgroups

The user groups database view.

Table 118: v_dimusersgroups table

Column	Description	Example
userId	varchar For Vocera Voice Server users, this is the Vocera Voice Server internal id. For standalone VMP users, this is the VMP internal id. For Vocera Secure Texting users, this id is negative.	u-jsmith
groupId	varchar For Vocera Voice Server groups, this is the internal Vocera Voice Server group id. For VMP distribution lists, this is the internal VMP distribution list id.	g-mygroupname
type	varchar The group type (Group or DistList).	Group

v_ftcalls

This view gets information on calls and broadcasts with their required fields.

Table 119: v_ftcalls table

Column	Description	Example
TenantID	int This field is for future use only, and is currently set to 0.	
TenantName	varchar This field is for future use only, and is currently set to blank.	
CallerDeviceID	varchar Displays the MAC address of the calling device. For telephone calls, this may be the name or extension of the caller.	ddd01fbf328c
CallerDeviceType	varchar Displays the device type.	Android
CallerDeviceVersion	varchar Displays the device version.	Android VCS
CallerId	varchar Displays the internal caller id. If the caller is a telephone or extension, this displays the calling number.	u-jsmith
CallerDisplayName	varchar Displays the caller display name in "Lastname, Firstname" format. For a telephone, this displays the calling number.	Smith, John
CallerUserSite	varchar Displays the user site of the caller.	MyCallerSite
CallType	varchar Displays the call type (for example: Unicast, Multicast, Broadcast).	Unicast
CallToType	varchar Displays the entity that the call is going to (for example: User, Telephone, Address Book).	Address Book
CallId	bigint Displays the call id.	85390967418
PartyNumber	int When calling to a group, this field displays the order in which members of the group are called. The first member called will have a party number of 1, the second will be 2, and so on.	1
LastParty	tinyint Indicates whether this group member being called is the last party involved in a group call. Set to 1 if the user received the call, and 0 otherwise.	0
ReceiverDeviceId	varchar The MAC address of the receiver. In telephone calls, this can be the name or extension number.	0009ef345661

Column	Description	Example
ReceiverDeviceType	varchar Displays the device type for the receiver.	Badge
ReceiverDeviceVersion	varchar Displays the device version for the receiver.	B3000N
ReceiverId	varchar Displays the internal Vocera Voice Server id of the receiver user.	u-jsmith
ReceiverName	varchar(128) DEFAULT NULL Displays the receiver name in the format "Firstname Lastname".	JSmith
ReceiverDisplayName	varchar Displays the display name for the receiver in the format "Lastname, Firstname".	Smith, John
ReceiverUserSite	varchar Displays the user site for the receiver.	MyReceiverSite
ReceiverGroupId	varchar Displays the group id for the receiver. This field is used in group calls and broadcasts only.	g-engineering
ReceiverGroupName	varchar Displays the group name for the receiver. This field is used in group calls and broadcasts only.	Engineering
CallDurationSS	int Displays the call duration in seconds.	92
TalkingDurationSS	int Displays the talking duration in seconds, or null if there was no talking in the call.	89
DialingDuration	int Displays the dialing duration. This field is currently not used in any dashboards.	
InitiatedAcceptedDuration	int Displays the initiation accepted duration in seconds.	2
InitiatedAt	timestamp Displays the date and time on which the call was initiated.	2017-11-17 17:12:53
StartedAt	timestamp Displays the date and time at which the server interrupted the user.	2017-11-17 17:12:54
ReachedAt	timestamp Displays the date and time at which the receiver was reached. This is normally the time in the <code>InitiatedAt</code> field plus the number of seconds specified in the <code>InitiatedAcceptedDuration</code> field.	2017-11-17 17:14:53
UnavailableAt	timestamp If the caller is unavailable or has rejected the call, the date and time at which the receiver was unavailable. If the caller is available, this field is null.	2017-11-17 17:14:53
UnavailableReason	varchar Displays the reason for unavailability. Examples: Call rejected, Not online. If the receiver is available, this field is set to Available .	Not online
AcceptedAt	timestamp The date and time at which the call was accepted. If the receiver was not available, this field is null.	2017-11-17 17:14:53
AbortedAt	timestamp If the call was aborted, the date and time at which this happened. If the call was not aborted, this field is null.	2017-11-17 17:14:53
AbortReason	varchar Displays the reason why the call was aborted.	Canceled
FinishedAt	timestamp The date and time at which the call was finished.	2017-11-17 17:14:53

Column	Description	Example
BatchId	int This field is for future use only, and is currently set to 0.	
RowCreatedTS	timestamp The date and time when this table row was created.	2017-12-06 00:16:35
RowUpdatedTS	timestamp The date and time when this table row was updated, or null if it has not been updated.	2017-12-06 00:16:35
TotalOnHoldCount	int Displays the number of times that the call was put on hold.	1
TotalOnHoldDuration	int Displays the total amount of on hold time in seconds.	13
CallerDeviceSite	varchar Displays the site of the caller device.	MyDeviceSite
CallerDeviceSerialNo	varchar Displays the serial number of the caller device.	K5EB16313222
ReceiverDeviceSite	varchar Displays the site of the receiver device.	MyReceiverSite
ReceiverDeviceSerialNo	varchar Displays the serial number of the receiver device.	H4AA15300EF4
DisconnectedAt	timestamp The date and time that the call was disconnected.	2017-12-06 00:16:35
CallerSite	varchar Displays the caller site.	MyCallerSite
CallerAccessPoint	varchar Displays the caller access point.	707db95e2461
CallerLocation	varchar Displays the caller location.	Operations
CallerDepartments	varchar Displays a comma-separated list of caller departments.	g-operations
ReceiverSite	varchar Displays the receiver site.	MyReceiverSite
ReceiverAccessPoint	varchar Displays the receiver access point.	707db9767761
ReceiverLocation	varchar Displays the receiver location.	Engineering
callerGenericDeviceTypeld	varchar The caller's generic device type id (for example: badge, telephone).	badge
severity	varchar Displays the severity (normal or urgent).	normal
callerGenericDeviceType	varchar The caller's generic device type (for example: Badge, Telephone).	Badge
receiverGenericDeviceTypeld	varchar The receiver's generic device type id (for example: badge, telephone).	badge
receiverGenericDeviceType	varchar The receiver's generic device type (for example: Badge, Telephone).	Badge
callerdepartments	varchar The caller's departments.	g-engineering0
receiverdepartments	varchar The departments of the receiver's group.	g-order_admin

Column	Description	Example
ReceiverGroupDepartments	varchar Displays the receiver location.	Engineering

v_groupconversations

This view lists the messages sent to any distribution list using the Vocera Collaboration Suite application.

Table 120: v_groupconversations table

Column	Description	Example
TenantId	int This field is for future use only, and is currently set to 0.	
BatchId	int This field is for future use only, and is currently set to 0.	
ConversationId	bigint The unique id for this conversation.	196660
groupId	bigint The internal id of the VMP distribution list.	5205
name	varchar The name of the distribution list to which this message was sent.	[On-Call] On-Call Doctors
groupDepartment	varchar The department with which the group is associated.	
distlistId	bigint The distribution list ID for this group.	5205
userId	bigint The VMP internal user id of the user that is a member of the distribution list.	4

v_vmpusers

The VMP users database view.

Table 121: v_vmpusers table

Column	Description	Example
Id	int Displays the unique id for this user.	5
VoceraId	varchar Displays the Vocera id.	u-jsmith
LoginId	varchar Displays the login id.	jsmith
VstId	varchar Displays the Vocera Secure Texting id if it exists.	2208
Active	tinyint Displays 1 if the user is active or 0 otherwise.	1
Created	timestamp Displays the date and time that this user was created.	2017-02-19 23:21:23
Updated	timestamp Displays the date and time that this user was last updated.	2017-11-30 23:01:08
Deactivated	timestamp If the user has been deactivated, displays the date and time of deactivation.	2017-11-07 21:49:40
FirstName	varchar Displays the user's first name.	John

Column	Description	Example
MiddleName	varchar Displays the user's middle name, if there is one.	
LastName	varchar Displays the user's last name.	Smith
DeviceRoute	int Displays the details of the device route.	14
ClientVersion	varchar Displays the client version.	3.0.3.524 iOS
LastActivity	timestamp Displays the time and date of the last use or activity.	2017-11-02 21:50:16
LastDeviceActivity	timestamp Displays the time and date of the last device activity.	2017-11-02 21:50:16
Remoteld	varchar Displays the remote id.	
DisplayName	varchar The display name for the element/user.	John Smith
Emailld	varchar Displays the email id for the user.	jsmith@companyname.com
Deviceld	varchar Displays the device id.	
Siteld	int Displays the site id.	5
Fileld	int Displays the file id.	
department	varchar Displays the department.	g-icu