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# Reporting and Analytics Aggregates Physical Data Model for a Microsoft SQL Server Database

Table AGT\_I\_STATE\_RSN\_HOUR

# Table AGT\_I\_STATE\_RSN\_HOUR

## Description

In partitioned databases, this table is not partitioned.

This interval-based aggregate table provides a rollup of hardware- and software-related reasons for summarized agent states on voice devices. Rollups are derived primarily from the SM\_RES\_STATE\_REASON\_FACT and SM\_RES\_STATE\_FACT tables.

Aggregation is performed along the TENANT, DATE\_TIME, MEDIA\_TYPE, RESOURCE\_, RESOURCE\_STATE, RESOURCE\_STATE\_REASON, and RESOURCE\_GROUP\_COMBINATION dimensions. The combination of keys to these dimensions uniquely identifies records in this table.

The same columns and column descriptions apply to other AGT\_I\_STATE\_RSN\_\* tables.

### Tip

- This document shows *table* information because it is more informative than *view* information. However, directly querying tables is not supported; perform your queries on views.
- This document shows the HOUR structure for each table, as an example. For each table, the same structure is used for SUBHR through YEAR views.
- Where referenced, IRF resources include:
  - Handling resources (such as self-service IVR ports, agents, or non-agent-associated DNS)
  - Mediation resources (such as a non-self-service IVR ports, voice treatment ports, ACD queues, routing points, and so forth) where the interaction ends in mediation before being distributed to a handling resource.
- *IRF* is an abbreviation for the **INTERACTION\_RESOURCE\_FACT** table.
- *MSF* is an abbreviation for the **MEDIATION\_SEGMENT\_FACT** table.

**Tip**

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

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

## Column List

## Legend

Column	Data Type	P	M	F	DV
DATE_TIME_KEY	int				-1
GROUP_COMBINATION_KEY	int				-1
RESOURCE_KEY	int			X	-1
TENANT_KEY	int			X	-1
RESOURCE_STATE_KEY	int			X	-1
RESOURCE_STATE_REASON_KEY	int			X	-1
MEDIA_TYPE_KEY	int			X	-1
STATE_RSN	numeric(18,0)				
STATE_RSN_TIME	numeric(18,0)				

## DATE\_TIME\_KEY

The surrogate key that is used to join this aggregate table to the DATE\_TIME dimension table to identify the calendar date and 15-minute interval that correspond to the start of the aggregated interval.

## GROUP\_COMBINATION\_KEY

The surrogate key that is used to join records in this aggregate table to the RESOURCE\_GROUP\_COMBINATION dimension table to identify a specific combination of queue groups of which the queue was a member when the interaction entered the queue.

## RESOURCE\_KEY

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

## TENANT\_KEY

The surrogate key that is used to join this aggregate table to the TENANT view to identify a specific tenant.

## RESOURCE\_STATE\_KEY

The surrogate key that is used to join records in this aggregate table to the RESOURCE\_STATE dimension table to identify a specific combination of queue groups to which the queue was a member when the interaction entered the queue.

## RESOURCE\_STATE\_REASON\_KEY

The surrogate key that is used to join this aggregate table to the RESOURCE\_STATE\_REASON dimension to identify the specific reason that the agent was in the state that is indicated by the RESOURCE\_STATE\_KEY field.

## MEDIA\_TYPE\_KEY

The surrogate key that is used to join this aggregate table to the MEDIA\_TYPE dimension table.

## STATE\_RSN

The total number of times within the reporting interval that this agent was in a particular state on a particular media channel (including instances of Do Not Disturb, if configured) for this reason.

## STATE\_RSN\_TIME

The total amount of time, in seconds, within the reporting interval that this agent was in a particular state on a particular media channel (including Do Not Disturb duration, if configured) for this reason.

## Subject Areas

- AGT\_I\_STATE\_RSN