

Database Schema

Contents

| | |
|--|----|
| Database Schema | 1 |
| dwh_capacity | 7 |
| dwh_capacity.application_dimension | 7 |
| dwh_capacity.application_group_bridge | 8 |
| dwh_capacity.application_group_dimension..... | 9 |
| dwh_capacity.business_entity_dimension | 9 |
| dwh_capacity.capacity_type | 10 |
| dwh_capacity.cardinals | 11 |
| dwh_capacity.chargeback_fact | 11 |
| dwh_capacity.datastore_dimension | 14 |
| dwh_capacity.date_dimension | 15 |
| dwh_capacity.disk_group_capacity_fact | 16 |
| dwh_capacity.disk_group_capacity_future_fact | 18 |
| dwh_capacity.disk_group_dimension..... | 18 |
| dwh_capacity.host_dimension | 19 |
| dwh_capacity.host_group_bridge | 20 |
| dwh_capacity.host_group_dimension | 21 |
| dwh_capacity.internal_volume_capacity_fact | 21 |
| dwh_capacity.internal_volume_dimension..... | 25 |
| dwh_capacity.qtree_capacity_fact | 26 |
| dwh_capacity.qtree_dimension | 29 |
| dwh_capacity.service_level_dimension | 30 |
| dwh_capacity.sp_time_to_fill | 31 |
| dwh_capacity.storage_and_storage_pool_capacity_fact..... | 31 |
| dwh_capacity.storage_and_storage_pool_capacity_future_fact | 34 |
| dwh_capacity.storage_dimension..... | 35 |
| dwh_capacity.storage_pool_dimension | 36 |
| dwh_capacity.tier_dimension | 38 |
| dwh_capacity.vm_capacity_fact | 38 |
| dwh_capacity.vm_dimension | 42 |

| | |
|--|----|
| dwh_capacity.volume_capacity_fact..... | 43 |
| dwh_capacity.volume_dimension | 46 |
| dwh_capacity.volume_fact_current..... | 47 |
| dwh_capacity.volume_history_capacity_fact | 49 |
| dwh_capacity_efficiency..... | 52 |
| dwh_capacity_efficiency.date_dimension | 52 |
| dwh_capacity_efficiency.efficiency_fact..... | 54 |
| dwh_capacity_efficiency.storage_dimension | 55 |
| dwh_cloud_cost | 56 |
| dwh_cloud_cost.cloud_cost_estimate_fact | 56 |
| dwh_cloud_cost.cloud_cost_fact..... | 61 |
| dwh_cloud_cost.cloud_resource_tag_fact..... | 66 |
| dwh_cloud_cost.date_dimension..... | 67 |
| dwh_cloud_cost.vm_dimension | 68 |
| dwh_cloud_cost.vmdk_dimension..... | 69 |
| dwh_fs_util..... | 70 |
| dwh_fs_util.compute_resource_dimension..... | 70 |
| dwh_fs_util.date_dimension | 71 |
| dwh_fs_util.file_system_dimension..... | 72 |
| dwh_fs_util.fs_util_fact | 73 |
| dwh_fs_util.host_dimension..... | 75 |
| dwh_fs_util.storage_dimension | 76 |
| dwh_fs_util.tier_dimension | 77 |
| dwh_fs_util.vm_dimension..... | 78 |
| dwh_inventory | 78 |
| dwh_inventory.acq_acquisition_unit..... | 78 |
| dwh_inventory.acq_data_source..... | 79 |
| dwh_inventory.annotation_value | 80 |
| dwh_inventory.application | 81 |
| dwh_inventory.auto_tiering_policy..... | 82 |
| dwh_inventory.auto_tiering_policy_constraint | 82 |
| dwh_inventory.backend_lun..... | 83 |
| dwh_inventory.backend_lun_to_volume..... | 83 |

| | |
|--|-----|
| dwh_inventory.backend_path | 84 |
| dwh_inventory.business_entity | 85 |
| dwh_inventory.cloud_resource..... | 85 |
| dwh_inventory.cloud_resource_tag | 87 |
| dwh_inventory.cm_lun_requests | 88 |
| dwh_inventory.cm_lun_requirement | 89 |
| dwh_inventory.cm_port_requests..... | 90 |
| dwh_inventory.cm_port_requirement | 92 |
| dwh_inventory.cm_request..... | 92 |
| dwh_inventory.compute_resource..... | 93 |
| dwh_inventory.disk | 94 |
| dwh_inventory.disk_group..... | 96 |
| dwh_inventory.disk_group_to_disk..... | 97 |
| dwh_inventory.disk_group_to_storage_pool..... | 97 |
| dwh_inventory.dr_internal_volume_replica | 98 |
| dwh_inventory.dr_qtree_replica | 99 |
| dwh_inventory.dr_replica | 100 |
| dwh_inventory.dr_volume_replica | 102 |
| dwh_inventory.extended_data | 104 |
| dwh_inventory.fabric | 105 |
| dwh_inventory.fc_name_server_entry..... | 105 |
| dwh_inventory.file_system..... | 106 |
| dwh_inventory.file_system_to_virtual_disk | 107 |
| dwh_inventory.file_system_to_volume | 108 |
| dwh_inventory.generic_device | 109 |
| dwh_inventory.generic_device_port | 110 |
| dwh_inventory.host..... | 110 |
| dwh_inventory.host_adapter | 111 |
| dwh_inventory.host_port..... | 112 |
| dwh_inventory.host_to_application..... | 113 |
| dwh_inventory.hv_data_store | 113 |
| dwh_inventory.hv_data_store_to_internal_volume | 114 |
| dwh_inventory.hv_data_store_to_volume..... | 115 |

| | |
|--|-----|
| dwh_inventory.hv_datastore_to_nas_share..... | 116 |
| dwh_inventory.hv_host_to_nas_share | 116 |
| dwh_inventory.hv_lun | 117 |
| dwh_inventory.hv_lun_to_volume | 118 |
| dwh_inventory.hv_nas_share..... | 119 |
| dwh_inventory.hv_nas_share_to_share..... | 119 |
| dwh_inventory.hv_path..... | 120 |
| dwh_inventory.hv_server | 121 |
| dwh_inventory.hv_virtual_disk | 121 |
| dwh_inventory.hv_virtual_disk_to_volume | 123 |
| dwh_inventory.hv_virtual_machine | 123 |
| dwh_inventory.hv_virtual_machine_to_disk..... | 125 |
| dwh_inventory.internal_volume..... | 126 |
| dwh_inventory.internal_volume_to_application | 130 |
| dwh_inventory.iscsi_logical..... | 130 |
| dwh_inventory.license_details..... | 131 |
| dwh_inventory.logical..... | 132 |
| dwh_inventory.nas_cr_logical..... | 134 |
| dwh_inventory.nas_file_share..... | 134 |
| dwh_inventory.nas_logical..... | 135 |
| dwh_inventory.nas_share..... | 136 |
| dwh_inventory.nas_share_initiator..... | 137 |
| dwh_inventory.object_to_annotation..... | 137 |
| dwh_inventory.physical_path..... | 139 |
| dwh_inventory.port_connectivity | 141 |
| dwh_inventory.qtree | 142 |
| dwh_inventory.qtree_to_application | 143 |
| dwh_inventory.quota | 144 |
| dwh_inventory.service_level | 145 |
| dwh_inventory.share_to_application | 146 |
| dwh_inventory.storage..... | 146 |
| dwh_inventory.storage_controller | 148 |
| dwh_inventory.storage_node | 148 |

| | |
|---|-----|
| dwh_inventory.storage_node_to_internal_volume | 149 |
| dwh_inventory.storage_node_to_port | 150 |
| dwh_inventory.storage_node_to_storage_pool | 151 |
| dwh_inventory.storage_node_to_volume | 151 |
| dwh_inventory.storage_pool | 152 |
| dwh_inventory.storage_pool_to_backend_lun | 156 |
| dwh_inventory.storage_pool_to_disk | 156 |
| dwh_inventory.storage_port | 157 |
| dwh_inventory.storage_to_application | 158 |
| dwh_inventory.switch | 158 |
| dwh_inventory.switch_port | 160 |
| dwh_inventory.switch_port_to_application | 162 |
| dwh_inventory.switch_to_application | 163 |
| dwh_inventory.tape | 163 |
| dwh_inventory.tape_controller | 164 |
| dwh_inventory.tape_port | 164 |
| dwh_inventory.tier | 165 |
| dwh_inventory.unknown_logical | 166 |
| dwh_inventory.violation | 166 |
| dwh_inventory.virtual_switch | 169 |
| dwh_inventory.virtual_to_backend_volume | 170 |
| dwh_inventory.vm_to_application | 170 |
| dwh_inventory.volume | 171 |
| dwh_inventory.volume_in_storage_pool | 174 |
| dwh_inventory.volume_map | 175 |
| dwh_inventory.volume_mask | 176 |
| dwh_inventory.volume_to_application | 177 |
| dwh_inventory.zone | 177 |
| dwh_inventory.zone_member | 178 |
| dwh_performance | 179 |
| dwh_performance.application_dimension | 179 |
| dwh_performance.application_group_bridge | 179 |
| dwh_performance.application_group_dimension | 180 |

| | |
|--|-----|
| dwh_performance.application_volume_hourly_performance_fact..... | 181 |
| dwh_performance.business_entity_dimension..... | 184 |
| dwh_performance.capacity_volume_fact_current..... | 185 |
| dwh_performance.connected_device_dimension | 186 |
| dwh_performance.datastore_dimension..... | 187 |
| dwh_performance.date_dimension..... | 188 |
| dwh_performance.disk_daily_performance_fact..... | 189 |
| dwh_performance.disk_dimension..... | 191 |
| dwh_performance.disk_hourly_performance_fact..... | 193 |
| dwh_performance.fabric_dimension | 195 |
| dwh_performance.host_dimension | 195 |
| dwh_performance.host_group_bridge..... | 196 |
| dwh_performance.host_group_dimension..... | 197 |
| dwh_performance.host_vm_daily_performance_fact..... | 197 |
| dwh_performance.host_vm_hourly_performance_fact..... | 199 |
| dwh_performance.host_volume_hourly_performance_fact | 201 |
| dwh_performance.internal_volume_daily_performance_fact..... | 204 |
| dwh_performance.internal_volume_dimension | 208 |
| dwh_performance.internal_volume_hourly_performance_fact | 209 |
| dwh_performance.port_dimension | 213 |
| dwh_performance.qtree_daily_performance_fact | 214 |
| dwh_performance.qtree_dimension | 216 |
| dwh_performance.qtree_hourly_performance_fact | 217 |
| dwh_performance.service_level_dimension..... | 220 |
| dwh_performance.storage_dimension..... | 220 |
| dwh_performance.storage_node_daily_performance_fact..... | 221 |
| dwh_performance.storage_node_dimension..... | 223 |
| dwh_performance.storage_node_hourly_performance_fact..... | 224 |
| dwh_performance.storage_pool_dimension..... | 226 |
| dwh_performance.switch_dimension..... | 228 |
| dwh_performance.switch_performance_for_host_hourly_fact | 229 |
| dwh_performance.switch_performance_for_port_hourly_fact..... | 233 |
| dwh_performance.switch_performance_for_storage_hourly_fact | 237 |

| | |
|--|-----|
| dwh_performance.switch_performance_for_tape_hourly_fact..... | 240 |
| dwh_performance.tape_dimension..... | 243 |
| dwh_performance.tier_dimension..... | 244 |
| dwh_performance.time_dimension..... | 244 |
| dwh_performance.vm_daily_performance_fact | 245 |
| dwh_performance.vm_dimension | 248 |
| dwh_performance.vm_hourly_performance_fact | 249 |
| dwh_performance.vmdk_daily_performance_fact..... | 251 |
| dwh_performance.vmdk_dimension | 254 |
| dwh_performance.vmdk_hourly_performance_fact..... | 254 |
| dwh_performance.volume_daily_performance_fact | 257 |
| dwh_performance.volume_dimension..... | 261 |
| dwh_performance.volume_hourly_performance_fact | 262 |
| dwh_ports | 266 |
| dwh_ports.cardinals..... | 266 |
| dwh_ports.connected_device_dimension..... | 266 |
| dwh_ports.date_dimension..... | 267 |
| dwh_ports.port_dimension | 269 |
| dwh_ports.ports_fact..... | 270 |
| dwh_ports.ports_fact_current..... | 271 |
| dwh_ports.switch_dimension..... | 273 |

dwh_capacity

dwh_capacity.application_dimension

| Column | Type | Nullable | Description |
|--------|--------------|----------|-----------------------------|
| tk | int(11) | false | TK of this application row. |
| name | varchar(255) | false | Name of the application. |

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|--|
| description | varchar(255) | true | Description of the application. |
| businessUnit | varchar(255) | true | Name of the business unit that owns the application. |
| priority | varchar(255) | true | Priority of the application. |
| url | varchar(255) | true | Url to this application in Insight Server. |
| id | int(11) | true | GUID of the application in dwh_inventory.application. |
| latest | char(1) | true | Indicates whether this row is the latest one for this application. |
| dateTk | int(11) | true | TK of the date in which this application row was created. References: <ul style="list-style-type: none"> • tk in dwh_capacity.date_dimension |

dwh_capacity.application_group_bridge

| Column | Type | Nullable | Description |
|-------------------|---------|----------|--|
| appGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none"> • tk in dwh_capacity.application_group_dimension |
| appTk | int(11) | false | TK of the application. References: <ul style="list-style-type: none"> • tk in dwh_capacity.application_dimension |

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|--|
| isRep | char(1) | true | Indicates whether this application represents its application group. |
| businessUnit | varchar(255) | true | Name of the business unit that owns the application. |

dwh_capacity.application_group_dimension

| Column | Type | Nullable | Description |
|--------------------|--------------|----------|--|
| tk | int(11) | false | TK of the application group. |
| repApp | varchar(255) | false | Name of the application representing the application group. |
| repAppTk | int(11) | false | TK of the application representing the application group. References: <ul style="list-style-type: none"> tk in dwh_capacity.application_dimension |
| cardinality | smallint(6) | false | Number of applications in the application group. |
| dateTk | int(11) | true | TK of the date in which the application group row was created. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.business_entity_dimension

| Column | Type | Nullable | Description |
|-----------|---------|----------|---------------------------------|
| tk | int(11) | false | TK of this business entity row. |

| Column | Type | Nullable | Description |
|---------------------|---------------|----------|---|
| fullname | varchar(1024) | false | Name of the business entity. |
| tenant | varchar(255) | false | Name of the tenant. |
| lob | varchar(255) | false | Name of the line of business. |
| businessUnit | varchar(255) | false | Name of the business unit. |
| project | varchar(255) | false | Name of the project. |
| id | int(11) | true | GUID of the business entity in dwh_inventory.business_entity. |
| latest | char(1) | true | Indicates whether this row is the latest one for this business entity. |
| dateTk | int(11) | true | <p>TK of the date in which this business entity row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.capacity_type

Capacity type dictionary.

| Column | Type | Nullable | Description |
|-------------|--|----------|--|
| type | enum('VM Used', 'Datastore Unused', 'Datastore Other') | false | Datastore Other: Capacity at the datastore level that is not specified by SANscreen (e.g., overhead attributed to different technologies).Datastore Unused: Capacity at the datastore level that is not used by any virtual disk.VM Used: Capacity of virtual disks that are used by virtual machines. |

| Column | Type | Nullable | Description |
|----------------------------|--------------|----------|--|
| used | char(1) | true | Indicates capacity being used by hosts and applications. |
| vmSpecific | char(1) | true | Types used in vm_capacity_fact. |
| replicationSpecific | char(1) | true | Types used with protection/replication capacity. |
| description | varchar(255) | true | Description for this capacity type. |

dwh_capacity.cardinals

| Column | Type | Nullable | Description |
|--------------|---------|----------|----------------------------|
| digit | int(11) | false | A number between 0 and 99. |

dwh_capacity.chargeback_fact

Fact provides platform for unified chargeback.

| Column | Type | Nullable | Description |
|------------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |
| storageTk | int(11) | false | TK of the storage where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|--|
| storagePoolTk | int(11) | false | TK of the storage pool where the capacity resides. References: <ul style="list-style-type: none">tk in dwh_capacity.storage_pool_dimension |
| internalVolumeTk | int(11) | false | TK of the internal volume where the capacity resides. References: <ul style="list-style-type: none">tk in dwh_capacity.internal_volume_dimension |
| qtreeTk | int(11) | false | TK of the qtree where the capacity resides. References: <ul style="list-style-type: none">tk in dwh_capacity.qtree_dimension |
| hostTk | int(11) | false | TK of the host which represents the host group. References: <ul style="list-style-type: none">tk in dwh_capacity.host_dimension |
| hostGroupTk | int(11) | false | TK of the host group. References: <ul style="list-style-type: none">tk in dwh_capacity.host_group_dimension |
| applicationTk | int(11) | false | TK of the application. References: |

| Column | Type | Nullable | Description |
|---------------------------|-----------------------------|----------|--|
| | | | <ul style="list-style-type: none"> tk in dwh_capacity.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none"> tk in dwh_capacity.application_group_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_capacity.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_capacity.service_level_dimension |
| businessUnit | varchar(255) | false | Business Unit associated with the qtree. |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none"> tk in dwh_capacity.business_entity_dimension |
| protectionType | varchar(255) | false | Specifies the protection type. |
| storageAccessType | enum('NAS', 'SAN', 'OTHER') | false | Describes how this capacity is being used. SAN for volumes or qtrees/internal volumes that have |

| Column | Type | Nullable | Description |
|------------------------------|--|----------|--|
| | | | a volume on it, OTHER for cloud storages, NAS otherwise. |
| resourceName | varchar(255) | false | Name of the resource on which the capacity resides. N/A when resource type is VOLUME |
| resourceType | enum('VOLUME', 'QTREE', 'INTERNAL_VOLUME', 'OBJECT') | false | Describes what capacities were aggregated to obtain this capacity. |
| mappedByVM | char(1) | false | Indicates whether this resource is mapped from VM |
| virtualStorage | char(1) | false | Indicates whether this capacity is virtualized by a backend storage |
| provisionedCapacityMB | bigint(20) | false | Provisioned capacity. |
| usedCapacityMB | bigint(20) | false | Used capacity. |

dwh_capacity.datastore_dimension

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|--|
| tk | int(11) | false | TK of this datastore row. |
| naturalKey | varchar(768) | false | Oid of the datastore. |
| name | varchar(512) | false | Name of the datastore. |
| moid | varchar(255) | true | Managed Object ID of the datastore. |
| virtualCenterIp | varchar(255) | true | IP address of virtual center of the datastore. |
| url | varchar(255) | true | Url to this datastore in Insight Server. |

| Column | Type | Nullable | Description |
|---------------|---------|----------|---|
| id | int(11) | true | GUID of the datastore in dwh_inventory.hv_data_store |
| latest | char(1) | true | Indicates whether this row is the latest one for this datastore. |
| dateTk | int(11) | true | <p>TK of the date in which this datastore row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.date_dimension

| Column | Type | Nullable | Description |
|---------------------|-------------|----------|---|
| tk | int(11) | false | TK of the date object. |
| fullDate | datetime | false | Date of the date object. |
| dayInMonth | tinyint(4) | false | Day of the month for the date object. The first day of the month has value 1. |
| dayInYear | smallint(6) | false | Day in year of the date object. The first day of the year has value 1. |
| dateYear | smallint(6) | false | Year of the date object. |
| yearLabel | char(4) | false | Year formatted as String |
| monthNum | tinyint(4) | false | Month of the date object. January has value 1. |
| monthLabel | char(7) | false | Month formatted as String |
| dayInWeekNum | tinyint(4) | false | Day of the week for the date object. Sunday has value 1. |
| quarter | tinyint(4) | false | Quarter of the date object. First quarter has value 1. |

| Column | Type | Nullable | Description |
|-------------------------|-------------|----------|---|
| quarterLabel | char(7) | false | Quarter formatted as String |
| dayInQuarter | smallint(6) | false | Day in quarter of the date object. First day of the quarter has value 1. |
| repQuarter | tinyint(4) | false | Indicates whether this date is the first date available for its quarter. |
| repMonth | tinyint(4) | false | Indicates whether this date is the first date available for its month. |
| repWeek | tinyint(4) | false | Indicates whether this date is the first date available for its week. |
| repDay | tinyint(4) | false | Indicates whether this date is the first date available for its day. |
| repMonthOrLatest | tinyint(4) | false | Indicates whether this date is the repmonth or the latest. This flag is used by Datamarts which works on monthly reps. Only difference being for the current month it is the latest |
| sspFlag | tinyint(4) | false | Indicates whether this date is used in Storage and Storage Pool Datamart. It is true for month representatives and for the last number of days as defined in configuration. |
| latest | char(1) | true | Indicates whether this date is the last date available in the table. |
| future | char(1) | false | Indicates whether this date is a future date (projection) or regular one. |

dwh_capacity.disk_group_capacity_fact

Fact describes disk group capacity and its usage.

| Column | Type | Nullabl e | Description |
|-------------------------------|------------|--------------|---|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |
| storageTk | int(11) | false | TK of the storage where the disk group resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |
| storagePoolTk | int(11) | false | TK of the storage pool where the disk group resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_pool_dimension |
| diskGroupTk | int(11) | false | TK of the disk group. References: <ul style="list-style-type: none"> tk in dwh_capacity.disk_group_dimension |
| capacityMB | bigint(20) | false | The usable capacity of the disk group. |
| usedCapacityMB | bigint(20) | false | The used capacity of the disk group. |
| physicalDiskCapacityMB | bigint(20) | false | The physical capacity of the disk group. |

dwh_capacity.disk_group_capacity_future_fact

Disk Group Capacity DM (Future projections)

| Column | Type | Nullable | Description |
|-----------------------|------------|----------|---|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none">• tk in dwh_capacity.date_dimension |
| storageTk | int(11) | false | TK of the storage where the capacity resides. References: <ul style="list-style-type: none">• tk in dwh_capacity.storage_dimension |
| storagePoolTk | int(11) | false | TK of the storage pool where the capacity resides. References: <ul style="list-style-type: none">• tk in dwh_capacity.storage_pool_dimension |
| diskGroupTk | int(11) | false | TK of the disk group where the capacity resides. References: <ul style="list-style-type: none">• tk in dwh_capacity.disk_group_dimension |
| capacityMB | bigint(20) | false | Usable capacity of the disk group as reported by the storage-array in MB. |
| usedCapacityMB | bigint(20) | false | Used capacity of the disk group as reported by the storage-array in MB. |

dwh_capacity.disk_group_dimension

| Column | Type | Nullable | Description |
|----------------------------|--------------|----------|--|
| tk | int(11) | false | TK of this disk group row. |
| name | varchar(255) | false | Name of the disk group. |
| identifier | varchar(768) | false | Identifier of the disk group. |
| vendorDiskGroupType | varchar(255) | true | Vendor type of the disk group. |
| diskType | varchar(255) | true | Type of disks in the disk group. |
| status | varchar(255) | true | Status of the disk group. |
| redundancy | varchar(255) | true | Redundancy of the disk group. |
| isVirtual | char(1) | false | Indicates whether the disk group is virtual. |
| vendorTier | varchar(255) | true | Vendor tier of the disk group. |
| id | int(11) | true | GUID of the disk group in dwh_inventory.disk_group |
| latest | char(1) | true | Indicates whether this row is the latest one for this disk group. |
| dateTk | int(11) | true | TK of the date in which this disk group row was created. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.host_dimension

| Column | Type | Nullable | Description |
|-------------|--------------|----------|----------------------|
| tk | int(11) | false | TK of this host row. |
| name | varchar(255) | false | Name of the host. |

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | Comma separated list of IP addresses of the host. |
| os | varchar(255) | true | Operating system running on the host. |
| model | varchar(255) | false | Model number. |
| manufacturer | varchar(255) | false | Manufacturer of the host. |
| url | varchar(255) | true | Url to this host in Insight Server. |
| id | int(11) | true | GUID of the host in dwh_inventory.host. |
| latest | char(1) | true | Indicates whether this row is the latest one for this host. |
| dateTk | int(11) | true | TK of the date in which this host row was created. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |
| dataCenter | varchar(255) | true | Data_Center annotation value assigned to the Host. |

dwh_capacity.host_group_bridge

| Column | Type | Nullable | Description |
|--------------------|---------|----------|--|
| hostGroupTk | int(11) | false | TK of the host group. References: <ul style="list-style-type: none"> tk in dwh_capacity.host_group_dimension |
| hostTk | int(11) | false | TK of the host. References: <ul style="list-style-type: none"> tk in dwh_capacity.host_dimension |

| Column | Type | Nullable | Description |
|--------------|---------|----------|--|
| isRep | char(1) | true | Indicates whether this host represents its host group. |

dwh_capacity.host_group_dimension

| Column | Type | Nullable | Description |
|--------------------|--------------|----------|--|
| tk | int(11) | false | TK of the host group. |
| repHost | varchar(255) | false | Name of the host representing the host group. |
| repHostTk | int(11) | false | TK of the host representing the host group. References: <ul style="list-style-type: none"> tk in dwh_capacity.host_dimension |
| cardinality | smallint(6) | false | Number of hosts in the host group. |
| dateTk | int(11) | true | TK of the date in which this host group row was created. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.internal_volume_capacity_fact

Fact describes internal volume capacity and its usage.

| Column | Type | Nullable | Description |
|---------------|---------|----------|--------------------------------|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date. References: |

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |
| storageTk | int(11) | false | <p>TK of the storage where the internal volume resides.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |
| storagePoolTk | int(11) | false | <p>TK of the storage pool where the internal volume resides.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.storage_pool_dimension |
| internalVolumeTk | int(11) | false | <p>TK of the internal volume.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.internal_volume_dimension |
| virtualStorageTk | int(11) | false | <p>TK of the frontend array in case this is a virtual internal volume. Otherwise, the value is N/A.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |
| tierTk | int(11) | false | <p>TK of the tier.</p> <p>References:</p> |

| Column | Type | Nullable | Description |
|---------------------------|--------------------|----------|--|
| | | | <ul style="list-style-type: none"> tk in dwh_capacity.tier_dimension |
| applicationTk | int(11) | false | TK of the application. References: <ul style="list-style-type: none"> tk in dwh_capacity.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none"> tk in dwh_capacity.application_group_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_capacity.service_level_dimension |
| businessUnit | varchar(255) | false | Business Unit associated with the internal volume. |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none"> tk in dwh_capacity.business_entity_dimension |
| storageAccessType | enum('NAS', 'SAN') | false | Describes how this internal volume is being used. SAN if it has a volume on it, NAS otherwise. |

| Column | Type | Nullable | Description |
|------------------------------------|--------------|----------|--|
| protectionType | varchar(255) | false | Specifies the protection type for this internal volume or N/A if it is not a replica. |
| allocatedCapacityMB | bigint(20) | false | Total allocated capacity on internal volume. |
| consumedCapacityMB | bigint(20) | false | Capacity consumed by this internal volume from storage pool. |
| usedCapacityMB | bigint(20) | false | Total used capacity on this internal volume. |
| dataUsedCapacityMB | bigint(20) | false | Used capacity on this internal volume without snapshot. |
| dataUnusedCapacityMB | bigint(20) | false | Capacity available for writing data on the internal volume. |
| snapshotAllocatedCapacityMB | bigint(20) | false | Capacity allocated for snapshots on this internal volume. |
| snapshotUsedCapacityMB | bigint(20) | false | Capacity used by snapshots on this internal volume. |
| totalCloneSavedCapacityMB | bigint(20) | false | Capacity which the clone internal volume shares with its source internal volume. |
| dedupeRatio | float | true | The dedupe compression ratio on this internal volume. |
| rawToUsableRatio | float | false | The ratio between disk raw capacity and usable capacity for the internal volume. Affected by the RAID level and other overheads. |
| snapshotCount | int(11) | true | Number of snapshots on this internal volume. |
| lastSnapshotTime | datetime | true | Time of the last snapshot. |
| compressionRatio | float | true | The compression ratio on this internal volume. |

dwh_capacity.internal_volume_dimension

| Column | Type | Nullabl e | Description |
|----------------------------------|-------------------|--------------|---|
| tk | int(11) | false | TK of this internal volume row. |
| name | varchar(255)) | false | Name of the internal volume. |
| identifier | varchar(768) | false | Identifier of the internal volume. |
| storagePoolIdentifier | varchar(768) | false | Identifer of the storage pool where this internal volume resides. |
| storageName | varchar(255) | false | Name of the storage where this internal volume resides. |
| storageIP | varchar(255) | false | IP of the storage where this internal volume resides. |
| type | varchar(255) | true | internal volume type. |
| virtualStorage | varchar(255) | true | Specifies VirtualStorage(e.g.vFiler) |
| spaceGuarantee | varchar(255) | true | internal volume space guarantee. |
| thinProvisioningSupported | char(1) | true | is thin provisioning supported for the internal volume. |
| thinProvisioned | char(1) | true | is the internal volume thin provisioned. |
| uuid | varchar(255) | true | UUID of the internal volume. |
| url | varchar(255) | true | Url to this internal volume in Insight Server. |

| Column | Type | Nullable | Description |
|---------------|---------|----------|---|
| id | int(11) | true | GUID of the internal volume in dwh_inventory.internal_volume |
| latest | char(1) | true | Indicates whether this row is the latest one for this internal volume. |
| dateTk | int(11) | true | <p>TK of the date in which this internal volume row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.qtree_capacity_fact

Fact describes qtree capacity and its usage.

| Column | Type | Nullable | Description |
|------------------|---------|----------|---|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | <p>TK of the date.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |
| storageTk | int(11) | false | <p>TK of the storage where the qtree resides.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |

| Column | Type | Nulla ble | Description |
|-------------------------|---------|--------------|---|
| storagePoolTk | int(11) | false | TK of the storage pool where the qtree resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_pool_dimension |
| internalVolumeTk | int(11) | false | TK of the internal volume where the qtree resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.internal_volume_dimension |
| qtreeTk | int(11) | false | TK of the qtree. References: <ul style="list-style-type: none"> tk in dwh_capacity.qtree_dimension |
| virtualStorageTk | int(11) | false | TK of the frontend array in case this qtree is on virtual internal volume. Otherwise, the value is N/A. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |
| tierTk | int(11) | false | TK of the tier. References: |

| Column | Type | Nulla ble | Description |
|---------------------------|--------------------|--------------|--|
| | | | <ul style="list-style-type: none"> tk in dwh_capacity.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_capacity.service_level_dimension |
| applicationTk | int(11) | false | TK of the application. References: <ul style="list-style-type: none"> tk in dwh_capacity.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none"> tk in dwh_capacity.application_group_dimension |
| businessUnit | varchar(255) | false | Business Unit associated with the qtree. |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none"> tk in dwh_capacity.business_entity_dimension |
| storageAccessType | enum('NAS', 'SAN') | false | Describes how this qtree is being used. SAN if it has a volume on it, NAS otherwise. |

| Column | Type | Nulla ble | Description |
|----------------------------|---|--------------|--|
| protectionType | varchar(255) | false | Specifies the protection type for this capacity or N/A if it is not a replica. |
| hardLimitCapacityMB | bigint(20) | false | The disk space limit imposed on this qtree by a quota. When exceeded, data cannot be written. |
| softLimitCapacityMB | bigint(20) | false | The disk space limit imposed on this qtree by a quota. When exceeded, a warning is issued but data can still be written. |
| usedCapacityMB | bigint(20) | false | Capacity used towards the hard and soft capacity limit set on the quota. |
| rawToUsableRatio | float | false | The ratio between disk raw capacity and usable capacity for the qtree. Affected by the RAID level and other overheads. |
| missingQuotaLimits | enum('NO_LIMITS_MISSING', 'HARD_LIMIT_MISSING', 'SOFT_LIMIT_MISSING', 'HARD_AND_SOFT_LIMIT_MISSING') | false | Indicates which of the hard and soft limits were missing and initialized with default values. |

dwh_capacity.qtree_dimension

| Column | Type | Nullabl e | Description |
|-------------------|--------------|--------------|--------------------------|
| tk | int(11) | false | TK of this qtree row. |
| name | varchar(255) | false | Name of the qtree. |
| identifier | varchar(768) | false | Identifier of the qtree. |

| Column | Type | Nullable | Description |
|--------------------------|-----------------------------|----------|---|
| storageIdentifier | varchar(768) | false | Identifier of the storage where this qtree resides. |
| type | enum('DEFAULT', 'EXPLICIT') | false | Qtree type. |
| url | varchar(255) | true | Url to this qtree in Insight Server. |
| id | int(11) | true | GUID of the qtree in dwh_inventory.qtree |
| latest | char(1) | true | Indicates whether this row is the latest one for this qtree. |
| dateTk | int(11) | true | <p>TK of the date in which this qtree row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.service_level_dimension

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|--|
| tk | int(11) | false | TK of this service level row. |
| name | varchar(255) | false | Identifying name for the service level. |
| sequence | int(11) | true | Sequential number of the service level as defined in dwh_inventory.annotation_value. |
| cost | double | true | Cost associated with this service level. |
| id | int(11) | true | GUID of the service level in dwh_inventory.annotation_value. |
| latest | char(1) | true | Indicates whether this row is the latest one for this service level. |

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| dateTk | int(11) | true | TK of the date in which this service level row was created. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.sp_time_to_fill

| Column | Type | Nullable | Description |
|------------------------------|----------|----------|---|
| saspFactTk | int(11) | false | TK of the storage and storage pool fact. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_and_storage_pool_capacity_fact |
| daysToStoragePoolFull | int(11) | false | No of Days for the UsedCapacity to be equal to the Capacity |
| dateAtStoragePoolFull | datetime | false | Date At which the UsedCapacity would be equal to the Capacity |

dwh_capacity.storage_and_storage_pool_capacity_fact

Storage and Storage Pool Capacity DM

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: |

| Column | Type | Nullable | Description |
|----------------------|------------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |
| storagePoolTk | int(11) | false | TK of the storage pool where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_pool_dimension |
| storageTk | int(11) | false | TK of the storage where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_capacity.tier_dimension |
| backend | char(1) | false | True when StoragePool is backend |
| isVirtual | char(1) | false | True when StoragePool is virtual |
| capacityMB | bigint(20) | false | Capacity allocated for a storage-pool as reported by the storage-array in MB. |
| rawCapacityMB | bigint(20) | false | capacity * rawToUsableRatio |

| Column | Type | Nullable | Description |
|----------------------------------|------------|----------|---|
| usedCapacityMB | bigint(20) | false | Capacity used in a storage-pool as reported by the storage-array in MB. |
| usedRawCapacityMB | bigint(20) | false | usedCapacity * rawToUsableRatio |
| snapshotUsedCapacityMB | bigint(20) | false | Capacity used for storage-pool level snapshots in MB |
| snapshotUsedRawCapacityMB | bigint(20) | false | snapshotUsedCapacityMB * rawToUsableRatio |
| softLimitCapacityMB | bigint(20) | true | Capacity limit for storage pool thin provisioning in MB. |
| unconfiguredRawCapacityMB | bigint(20) | false | Unconfigured raw capacity of the storage (includes failed, spare and unused disks) in MB. |
| spareRawCapacityMB | bigint(20) | false | Raw capacity of spare disks in MB. |
| failedRawCapacityMB | bigint(20) | false | Raw capacity of failed disks in MB. |
| volumeCapacityMB | bigint(20) | false | Provisioned capacity of all volumes on this storage pool in MB. |
| unusedVolumeCapacityMB | bigint(20) | false | Provisioned capacity of unused volumes on this storage pool in MB. |
| volumeConsumedCapacityMB | bigint(20) | false | Physical capacity consumed by volumes on this storage pool in MB. |
| mappedVolumeCapacityMB | bigint(20) | false | Provisioned capacity of mapped volumes on this storage pool in MB. |

| Column | Type | Nullable | Description |
|--|------------|----------|--|
| maskedVolumeCapacityMB | bigint(20) | false | Provisioned capacity of masked volumes on this storage pool in MB. |
| internalVolumeAllocatedCapacityMB | bigint(20) | false | Total allocated capacity of internal volumes on this storage pool in MB. |
| internalVolumeUsedCapacityMB | bigint(20) | false | Total used capacity of internal volumes on this storage pool in MB. |
| internalVolumeConsumedCapacityMB | bigint(20) | false | Capacity consumed by internal volumes on this storage pool in MB. |
| dedupeRatio | float | true | The deduplication ratio on this storage pool |
| compressionRatio | float | true | The compression ratio on this storage pool |
| compactionRatio | float | true | The compaction ratio on this storage pool |

dwh_capacity.storage_and_storage_pool_capacity_future_fact

Storage and Storage Pool Capacity DM (Future projections)

| Column | Type | Nullable | Description |
|----------------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |
| storagePoolTk | int(11) | false | TK of the storage pool where the capacity resides. References: |

| Column | Type | Nullable | Description |
|--------------------------|------------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_capacity.storage_pool_dimension |
| storageTk | int(11) | false | TK of the storage where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_capacity.tier_dimension |
| backend | char(1) | false | True when StoragePool is backend |
| isVirtual | char(1) | false | True when StoragePool is virtual |
| capacityMB | bigint(20) | false | Capacity allocated for a storage-pool as reported by the storage-array in MB. |
| rawCapacityMB | bigint(20) | false | capacity * rawToUsableRatio |
| usedCapacityMB | bigint(20) | false | Capacity used in a storage-pool as reported by the storage-array in MB. |
| usedRawCapacityMB | bigint(20) | false | usedCapacity * rawToUsableRatio |

[dwh_capacity.storage_dimension](#)

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|--|
| tk | int(11) | false | TK of this storage array row. |
| name | varchar(255) | false | Name of the storage array. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | IP address of the storage array. |
| model | varchar(255) | false | Model of the storage array. |
| manufacturer | varchar(255) | false | Manufacturer of the storage array. |
| serialNumber | varchar(255) | true | Serial number for the storage array. |
| microcodeVersion | varchar(255) | true | Version of the firmware running on the storage array. |
| family | varchar(255) | false | Family name of the storage array (e.g. Clariion, Symmetrix etc). |
| url | varchar(255) | true | Url to this storage in Insight Server. |
| id | int(11) | true | GUID of the storage array in dwh_inventory.storage. |
| latest | char(1) | true | Indicates whether this row is the latest one for this storage. |
| dateTk | int(11) | true | <p>TK of the date in which this stroage array row was created.</p> <p>References:</p> <ul style="list-style-type: none"> • tk in dwh_capacity.date_dimension |
| dataCenter | varchar(255) | true | Data_Center annotation value assigned to the Storage. |

[dwh_capacity.storage_pool_dimension](#)

| Column | Type | Nullable | Description |
|----------------------------------|--------------|----------|--|
| tk | int(11) | false | TK of this storage pool row. |
| identifier | varchar(768) | false | Identifier of the device. |
| name | varchar(255) | false | Name of the storage pool. |
| storageName | varchar(255) | false | Name of the storage where this storage pool resides. |
| storageIP | varchar(255) | false | IP of the storage where this storage pool resides. |
| type | varchar(255) | true | Storage pool type (e.g., RAID, AGGREGATE, etc.). |
| redundancy | varchar(255) | true | Storage pool redundancy. |
| thinProvisioningSupported | char(1) | true | Indicates whether thin provisioning is supported by the storage pool. |
| isVirtual | char(1) | true | Virtual indicates this is a frontend storage pool in array virtualization. |
| usesFlashPools | char(1) | false | Indicates whether this storage pool uses flash pools. |
| url | varchar(255) | true | Url to this storage pool in Insight Server. |
| id | int(11) | true | GUID of the storage pool in dwh_inventory.storage_pool |
| latest | char(1) | true | Indicates whether this row is the latest one for this storage pool. |

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| dateTk | int(11) | true | TK of the date in which this storage pool row was created. References: <ul style="list-style-type: none"> • tk in dwh_capacity.date_dimension |

dwh_capacity.tier_dimension

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|--|
| tk | int(11) | false | TK of this tier row. |
| name | varchar(255) | false | Identifying name for the tier. |
| sequence | int(11) | true | Sequential number of the tier as defined in dwh_inventory.annotation_value. |
| cost | double | true | Cost associated with this tier. |
| id | int(11) | true | GUID of the tier in dwh_inventory.annotation_value. |
| latest | char(1) | true | Indicates whether this row is the latest one for this tier. |
| dateTk | int(11) | true | TK of the date in which this tier row was created. References: <ul style="list-style-type: none"> • tk in dwh_capacity.date_dimension |

dwh_capacity.vm_capacity_fact

Fact describes VM capacity usage.

| Column | Type | Nullabl e | Description |
|-------------------------|---------|--------------|---|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |
| hostTk | int(11) | false | TK of the host which represents the host group. References: <ul style="list-style-type: none"> tk in dwh_capacity.host_dimension |
| storageTk | int(11) | false | TK of the storage where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |
| virtualStorageTk | int(11) | false | TK of the frontend array in case the capacity is on a backend array. Otherwise, the value is N/A. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_dimension |
| internalVolumeTk | int(11) | false | TK of the internal volume where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.internal_volume_dimension |
| qtreeTk | int(11) | false | TK of the qtree where the capacity resides. References: |

| Column | Type | Nullabl e | Description |
|--------------------|---------|--------------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_capacity.qtree_dimension |
| hostGroupTk | int(11) | false | TK of the host group. References: <ul style="list-style-type: none"> tk in dwh_capacity.host_group_dimension |
| applicationTk | int(11) | false | TK of the application which represents the application group. References: <ul style="list-style-type: none"> tk in dwh_capacity.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none"> tk in dwh_capacity.application_group_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_capacity.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_capacity.service_level_dimension |

| Column | Type | Nullable | Description |
|--------------------------|--------------------|----------|---|
| vmTk | int(11) | false | TK of the virtual machine. References: <ul style="list-style-type: none">• tk in dwh_capacity.vm_dimension |
| dataStoreTk | int(11) | true | TK of the datastore. References: <ul style="list-style-type: none">• tk in dwh_capacity.datastore_dimension |
| dataStoreName | varchar(512) | true | Name of the data-store containing the capacity. |
| dataStoreId | int(11) | true | GUID of the data-store in dwh_inventory.host - set to null when the data-store is removed from the inventory. References: <ul style="list-style-type: none">• id in dwh_inventory.hv_data_store |
| virtualCenterIp | varchar(255) | true | Virtual center IP. |
| businessUnit | varchar(255) | false | Business Unit associated with the capacity. |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none">• tk in dwh_capacity.business_entity_dimension |
| storageAccessType | enum('SAN', 'NAS') | false | Type of access to the storage. Possible values are: NAS, SAN or UNKNOWN. |

| Column | Type | Nullabl e | Description |
|----------------------|--|--------------|---|
| | 'UNKNOWN') | | |
| capacityType | enum('VM Used', 'Datastore Unused', 'Datastore Other') | false | Identifies the usage of the capacity - every bit of data-store capacity has exactly one usage at a specific time. References: <ul style="list-style-type: none">• type in dwh_capacity.capacity_type |
| actualMB | bigint(20) | false | The amount of data-store capacity being used (or RDM virtual disk). This measurement ignores savings done in the backend storage using thin-provisioning and de-duplication. |
| provisionedMB | bigint(20) | false | The amount of capacity that was allocated for a VM. This measurement includes VMDKs and other VM related files. |

dwh_capacity.vm_dimension

| Column | Type | Nullable | Description |
|------------------------|---------------|----------|--|
| tk | int(11) | false | TK of this virtual machine row. |
| name | varchar(255) | false | Name of the virtual machine. |
| naturalKey | varchar(768) | false | Natural identifier of the virtual machine. |
| os | varchar(255) | true | Guest operating system. |
| virtualCenterIp | varchar(255) | true | IP address of virtual center of the virtual machine. |
| ips | varchar(4096) | true | Comma separated list of IP addresses of the virtual machine. |

| Column | Type | Nullable | Description |
|---------------|--------------|----------|---|
| url | varchar(255) | true | Url to this virtual machine in Insight Server. |
| id | int(11) | true | GUID of the virtual machine in dwh_inventory.hv_virtual_machine |
| latest | char(1) | true | Indicates whether this row is the latest one for this virtual machine. |
| dateTk | int(11) | true | TK of the date in which this virtual machine row was created. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.volume_capacity_fact

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|--|
| volumeTk | int(11) | false | TK of the volume where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.volume_dimension |
| chargebackFactTk | int(11) | true | TK of the chargeback fact row where the volume capacity is counted. References: <ul style="list-style-type: none"> tk in dwh_capacity.chargeback_fact |
| storageAndSpFactTk | int(11) | true | TK of the storage and storage pool capacity fact row where the volume capacity is counted. References: |

| Column | Type | Nullable | Description |
|----------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_capacity.storage and storage pool capacity fact |
| hostTk | int(11) | false | TK of the host which represents the host group. References: <ul style="list-style-type: none"> tk in dwh_capacity.host dimension |
| storageTk | int(11) | false | TK of the storage where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage dimension |
| hostGroupTk | int(11) | false | TK of the host group. References: <ul style="list-style-type: none"> tk in dwh_capacity.host_group dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_capacity.tier dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_capacity.service_level dimension |
| storagePoolTk | int(11) | false | TK of the storage pool where the capacity resides. References: |

| Column | Type | Nullable | Description |
|------------------------------|--------------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_capacity.storage_pool_dimension |
| internalVolumeTk | int(11) | false | TK of the internal volume where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.internal_volume_dimension |
| qtreeTk | int(11) | false | TK of the qtree where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.qtree_dimension |
| isVirtual | char(1) | false | Specifies whether this capacity is on virtual storage pool. |
| isBackend | char(1) | false | Specifies whether this capacity is on backend storage pool. |
| protectionType | varchar(255) | false | Specifies the protection type for this capacity or N/A if it is not a replica. |
| isAccessed | char(1) | false | Specifies whether this volume is accessed by host. |
| isOrphaned | char(1) | false | Specifies whether this volume is masked but does not have active path to it. |
| isProtection | char(1) | false | Specifies whether this volume is used for replication. |
| isUnused | char(1) | false | Specifies whether this volume is not accessed by hosts. |
| provisionedCapacityMB | bigint(20) | false | Provisioned capacity of volumes in MB. |
| accessedCapacityMB | bigint(20) | true | Provisioned capacity of volumes that are accessed by hosts in MB. |

| Column | Type | Nullable | Description |
|------------------------------|------------|----------|--|
| orphanedCapacityMB | bigint(20) | true | Provisioned capacity of volumes that are masked but do not have active path to them in MB. |
| protectionCapacityMB | bigint(20) | true | Provisioned capacity of volumes that are used for replication in MB. |
| unusedCapacityMB | bigint(20) | true | Provisioned capacity of volumes that are not accessed by hosts in MB. |
| daysSinceLastAccessed | int(11) | true | Number of days passed since the volume was accessed for read or write. |

dwh_capacity.volume_dimension

| Column | Type | Nullable | Description |
|--------------------------|--------------|----------|---|
| tk | int(11) | false | TK of this volume row. |
| storageIdentifier | varchar(768) | true | Identifier of the volume storage. |
| name | varchar(255) | false | Name of the volume. |
| label | varchar(255) | true | Label of the volume. |
| thinProvisioned | char(1) | false | Is volume thin provisioned? |
| type | varchar(255) | true | type of the volume. |
| isVirtual | char(1) | true | Is volume a virtual volume? |
| meta | char(1) | true | Is volume a meta volume? |
| snapshot | char(1) | true | Indicates whether this volume is a snapshot volume. |

| Column | Type | Nullable | Description |
|-----------------------|--------------------------------|----------|--|
| technologyType | enum('FC', 'ISCSI', 'UNKNOWN') | true | Specifies the technology type (FC/ISCSI/UNKNOWN). |
| uuid | varchar(255) | true | UUID of the volume. |
| isMainframe | char(1) | false | Is Mainframe volume? |
| url | varchar(255) | true | Url to this volume in Insight Server. |
| id | int(11) | true | GUID of the volume in dwh_inventory.volume |
| latest | char(1) | true | Indicates whether this row is the latest one for this volume. |
| dateTk | int(11) | true | <p>TK of the date in which this volume row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |

dwh_capacity.volume_fact_current

Volumes usage table (for non-VM volumes only).

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|--|
| chargebackFactTk | int(11) | true | <p>TK of the chargeback fact row where the volume capacity is counted.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity.chargeback_fact |
| volumeId | int(11) | false | <p>GUID of the volume as appears in inventory</p> <p>References:</p> |

| Column | Type | Nullable | Description |
|-------------------------|--------------------------------|----------|--|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.volume |
| storageId | int(11) | true | <p>GUID of the storage where this volume resides, as appears in the inventory</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.storage |
| volumeName | varchar(255) | true | Name of the volume |
| volumeType | varchar(255) | true | Vendor-specific type of volume (e.g., SFS, BCV). |
| thinProvisioned | char(1) | true | Indicates whether this volume is thin provisioned. |
| isVirtual | char(1) | true | Indicates whether this volume is a virtual volume. |
| snapshot | char(1) | true | Indicates whether this volume is a snapshot volume. |
| technologyType | enum('FC', 'ISCSI', 'UNKNOWN') | true | Specifies the technology type (FC/ISCSI/UNKNOWN). |
| physicalUsableMB | bigint(20) | false | The amount of volume usable capacity that is consumed from the storage and is counted in the fact row, in MB. |
| physicalRawMB | bigint(20) | false | The amount of volume raw capacity that is consumed from the storage and is counted in the fact row, in MB. |

| Column | Type | Nullable | Description |
|----------------------------|------------|----------|---|
| provisionedUsableMB | bigint(20) | false | The amount of volume usable capacity that is provisioned to hosts/users counted in the fact row, in MB. |
| provisionedRawMB | bigint(20) | false | The amount of volume raw capacity that is provisioned to hosts/users counted in the fact row, in MB. |

dwh_capacity.volume_history_capacity_fact

Fact describes volume capacities and their usage.

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date. References: <ul style="list-style-type: none"> tk in dwh_capacity.date_dimension |
| volumeTk | int(11) | false | TK of the volume where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.volume_dimension |
| chargebackFactTk | int(11) | true | TK of the chargeback fact row where the volume capacity is counted. References: <ul style="list-style-type: none"> tk in dwh_capacity.chargeback_fact |

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|--|
| storageAndSpFactTk | int(11) | true | TK of the storage and storage pool capacity fact row where the volume capacity is counted. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage and storage pool capacity fact |
| hostTk | int(11) | false | TK of the host which represents the host group. References: <ul style="list-style-type: none"> tk in dwh_capacity.host dimension |
| storageTk | int(11) | false | TK of the storage where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage dimension |
| hostGroupTk | int(11) | false | TK of the host group. References: <ul style="list-style-type: none"> tk in dwh_capacity.host_group dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_capacity.tier dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_capacity.service_level dimension |

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|---|
| storagePoolTk | int(11) | false | TK of the storage pool where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_pool_dimension |
| internalVolumeTk | int(11) | false | TK of the internal volume where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.internal_volume_dimension |
| qtreeTk | int(11) | false | TK of the qtree where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.qtree_dimension |
| isVirtual | char(1) | false | Specifies whether this capacity is on virtual storage pool. |
| isBackend | char(1) | false | Specifies whether this capacity is on backend storage pool. |
| protectionType | varchar(255) | false | Specifies the protection type for this capacity or N/A if it is not a replica. |
| isAccessed | char(1) | false | Specifies whether this volume is accessed by host. |
| isOrphaned | char(1) | false | Specifies whether this volume is masked but does not have active path to it. |
| isProtection | char(1) | false | Specifies whether this volume is used for replication. |
| isUnused | char(1) | false | Specifies whether this volume is not accessed by hosts. |
| isMasked | char(1) | false | Specifies whether this volume is masked. |
| isMapped | char(1) | false | Specifies whether this volume is mapped. |

| Column | Type | Nullable | Description |
|------------------------------|------------|----------|--|
| provisionedCapacityMB | bigint(20) | false | Provisioned capacity of volumes in MB. |
| accessedCapacityMB | bigint(20) | true | Provisioned capacity of volumes that are accessed by hosts in MB. |
| orphanedCapacityMB | bigint(20) | true | Provisioned capacity of volumes that are masked but do not have active path to them in MB. |
| protectionCapacityMB | bigint(20) | true | Provisioned capacity of volumes that are used for replication in MB. |
| unusedCapacityMB | bigint(20) | true | Provisioned capacity of volumes that are not accessed by hosts in MB. |
| consumedCapacityMB | bigint(20) | false | Consumed capacity of volumes in MB. |
| daysSinceLastAccessed | int(11) | true | Number of days passed since the volume was accessed for read or write. |

dwh_capacity_efficiency

dwh_capacity_efficiency.date_dimension

| Column | Type | Nullable | Description |
|-------------------|------------|----------|---|
| tk | int(11) | false | TK of the date object. |
| fullDate | datetime | false | Date of the date object. |
| dayInMonth | tinyint(4) | false | Day of the month for the date object. The first day of the month has value 1. |

| Column | Type | Nullable | Description |
|-------------------------|-------------|----------|---|
| dayInYear | smallint(6) | false | Day in year of the date object. The first day of the year has value 1. |
| dateYear | smallint(6) | false | Year of the date object. |
| yearLabel | char(4) | false | Year formatted as String |
| monthNum | tinyint(4) | false | Month of the date object. January has value 1. |
| monthLabel | char(7) | false | Month formatted as String |
| dayInWeekNum | tinyint(4) | false | Day of the week for the date object. Sunday has value 1. |
| quarter | tinyint(4) | false | Quarter of the date object. First quarter has value 1. |
| quarterLabel | char(7) | false | Quarter formatted as String |
| dayInQuarter | smallint(6) | false | Day in quarter of the date object. First day of the quarter has value 1. |
| repQuarter | tinyint(4) | false | Indicates whether this date is the first date available for its quarter. |
| repMonth | tinyint(4) | false | Indicates whether this date is the first date available for its month. |
| repWeek | tinyint(4) | false | Indicates whether this date is the first date available for its week. |
| repDay | tinyint(4) | false | Indicates whether this date is the first date available for its day. |
| repMonthOrLatest | tinyint(4) | false | Indicates whether this date is the repmonth or the latest. This flag is used by Datamarts which works on monthly reps. Only difference being for the current month it is the latest |
| sspFlag | tinyint(4) | false | Indicates whether this date is used in Storage and Storage Pool Datamart. It is true for month |

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| | | | representatives and for the last number of days as defined in configuration. |
| latest | char(1) | true | Indicates whether this date is the last date available in the table. |
| future | char(1) | false | Indicates whether this date is a future date (projection) or regular one. |

dwh_capacity_efficiency.encyfact

Display capacity gain and loss by technology for a storage .

| Column | Type | Nullable | Description |
|--------------------------|------------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date. References: <ul style="list-style-type: none"> tk in dwh_capacity_efficiency.date_dimension |
| storageTk | int(11) | false | TK of the storage where the capacity resides. References: <ul style="list-style-type: none"> tk in dwh_capacity_efficiency.storage_dimension |
| rawCapacityMB | bigint(20) | false | Storage raw capacity in MB. 0 when technology is specified (not NULL). |
| backendCapacityMB | bigint(20) | false | Total capacity of backend LUNs in a virtual array, in MB. 0 when technology is specified (not NULL). |

| Column | Type | Nullable | Description |
|--------------------------|--------------|----------|---|
| storageTechnology | varchar(255) | true | Storage efficiency and protection technology such as Dedupe, Thin Provisioning, Snapshot and RAID. NULL when representing raw and backend capacity of the storage (one row per storage) . |
| gainMB | bigint(20) | false | Capacity gained by using the technology. 0 when technology is not specified (NULL). |
| lossMB | bigint(20) | false | Capacity lost by using the technology. 0 when technology is not specified (NULL). |
| potentialGainMB | bigint(20) | false | Potential capacity to gain by using the technology to the full extent. 0 when technology is not specified (NULL). |
| potentialLossMB | bigint(20) | false | Potential capacity to loss by using the technology to the full extent. 0 when technology is not specified (NULL). |

dwh_capacity_efficiency.storage_dimension

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|----------------------------------|
| tk | int(11) | false | TK of this storage array row. |
| name | varchar(255) | false | Name of the storage array. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | IP address of the storage array. |
| model | varchar(255) | false | Model of the storage array. |

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|--|
| manufacturer | varchar(255) | false | Manufacturer of the storage array. |
| serialNumber | varchar(255) | true | Serial number for the storage array. |
| microcodeVersion | varchar(255) | true | Version of the firmware running on the storage array. |
| family | varchar(255) | false | Family name of the storage array (e.g. Clariion, Symmetrix etc). |
| url | varchar(255) | true | Url to this storage in Insight Server. |
| id | int(11) | true | GUID of the storage array in dwh_inventory.storage. |
| latest | char(1) | true | Indicates whether this row is the latest one for this storage. |
| dateTk | int(11) | true | <p>TK of the date in which this stroage array row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_capacity_efficiency.date_dimension |
| dataCenter | varchar(255) | true | Data_Center annotation value assigned to the Storage. |

dwh_cloud_cost

[dwh_cloud_cost.cloud_cost_estimate_fact](#)

The daily data for cloud cost estimates.

| Column | Type | Nullable | Description |
|--------------------------|--------------|----------|---|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none">• tk in dwh_cloud_cost.date_dimension |
| vmTk | int(11) | false | TK of the virtual machine. References: <ul style="list-style-type: none">• tk in dwh_cloud_cost.vm_dimension |
| vmdkTk | int(11) | false | TK of the virtual disk. References: <ul style="list-style-type: none">• tk in dwh_cloud_cost.vmdk_dimension |
| uuid | varchar(255) | false | Globally unique ID. Correlates with IDs reported by cloud data sources (EC2, S3, etc.). |
| accountId | bigint(20) | false | The ID of the account that this billing item applies to. |
| availabilityZone | varchar(255) | true | The Availability Zone associated with this billing item charge. |
| cloudProviderName | varchar(255) | false | Generic name of the cloud service provider, e.g. AWS, Azure. |

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|---|
| sku | varchar(255) | true | A unique code for a product. Use the SKU code to correlate product details and pricing. |
| cpuCount | double | true | Number of CPUs (or vCPUs) available on the resource. |
| currencyCode | varchar(255) | true | The currency that this billing item is given in, e.g. USD. |
| locationCode | varchar(255) | true | Code identifying the location associated with this resource. For AWS, this maps to the region code. |
| locationName | varchar(255) | true | Name identifying the location associated with this resource. For AWS, this maps to the region name. |
| modelType | varchar(255) | true | Resource model type. For AWS instances, this is the instance type, e.g. m4.large. For AWS volumes, this is the volume type, e.g. gp2. |
| operatingSystem | varchar(255) | true | Operating system (OS) running on the VM instance. |
| pricingType | varchar(255) | true | Pricing type for the resource, e.g, for an EC2 instance, the value might be Spot or Dedicated. |
| resourceName | varchar(255) | true | Name of the resource associated with this billing item. Depending on the service, may be instance name (EC2), volume name (EBS), bucket name (S3), etc. |
| resourceType | varchar(255) | true | Generic type of the resource associated with this billing item. |

| Column | Type | Nullable | Description |
|-------------------------------|--------------|----------|---|
| serviceId | varchar(255) | true | Id of the service associated with this billing item. |
| serviceName | varchar(255) | true | Name of the service associated with this billing item, e.g. Amazon S3. |
| serviceType | varchar(255) | true | Name of the generic ServiceFamily associated with this billing item. |
| storageTypes | varchar(255) | true | Comma-separated list of storage types associated with this item, e.g. Standard, Magnetic, Amazon Glacier. |
| normalizationFactor | double | true | The relative value of the resource based on instance size. |
| totalCost | double | true | Total cost for this item. This value is equal to (usageTimeCost + dataTransferCost + dataStorageCost + requestsCost + otherCost). For AWS, this is the blended cost. |
| totalUnblendedCost | double | true | Total unblended cost for this item. This value is equal to (usageTimeUnblendedCost + dataTransferUnblendedCost + dataStorageUnblendedCost + requestsUnblendedCost + otherUnblendedCost). For AWS, this is the unblended cost. |
| usageTimeCost | double | true | Cost for all time-based usage associated with this resource. |
| usageTimeUnblendedCost | double | true | Unblended cost for time-based usage associated with this resource. |

| Column | Type | Nullable | Description |
|-----------------------------------|--------|----------|--|
| usageTimeHours | double | true | Time in hours for which the resource was billed. |
| discountedUsageTimeHours | double | true | Time in hours for which the resource was billed at a discounted rate. Is always less than usageTimeSeconds. |
| discountedUsageTimePercent | double | true | Percentage of time for which this resource was billed at a discounted rate. For example, for AWS, if an instance runs for 24 hours, and 18 hours are as a reserved instance, the discounted time ratio is 75%. This value is always between 0 and 100. |
| purchasedCredits | double | true | Number of usage credits purchased. For AWS, this represents reserved instance purchases. Cost is accounted for in totalFees. For AWS, units are in usage hours adjusted for instance size by a normalization factor. |
| consumedCredits | double | true | Number of usage credits consumed by this resource. For AWS, units are in usage hours adjusted to instance size by a normalization factor, also called reserved units. |
| dataTransferCost | double | true | Cost of all data transfers. |
| dataTransferUnblendedCost | double | true | Unblended cost of all data transfers. |
| dataTransferredGb | double | true | Total data transferred during the current day in GB (2^30 bytes). |
| dataStorageCost | double | true | Cost of all stored data. |

| Column | Type | Nullable | Description |
|---------------------------------|--------|----------|--|
| dataStorageUnblendedCost | double | true | Unblended cost of all stored data. |
| dataStoredGb | double | true | Average data stored during the current day in GB (2^30 bytes). |
| apiRequestCost | double | true | Cost of all api requests. |
| apiRequestUnblendedCost | double | true | Unblended cost of all api requests. |
| apiRequestCount | double | true | Total number of api requests. |
| otherCost | double | true | Costs that don't fit in any other category above. |
| otherUnblendedCost | double | true | Unblended costs that don't fit in any other category above. |
| totalFees | double | true | Total fees paid in relation to this item during the current day. Value might be negative, indicating that it's actually a refund. Note that fees are included in neither totalCost nor totalUnblendedCost. |
| totalTaxes | double | true | Total taxes paid in relation to this item during the current day. Note that taxes are included in neither totalCost nor totalUnblendedCost. |
| totalPublicOnDemandCost | double | true | The total cost for this item based on public on-demand rates. |

[dwh_cloud_cost.cloud_cost_fact](#)

The daily data for finalized cloud cost.

| Column | Type | Nullable | Description |
|--------------------------|--------------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_cloud_cost.date_dimension |
| vmTk | int(11) | false | TK of the virtual machine. References: <ul style="list-style-type: none"> tk in dwh_cloud_cost.vm_dimension |
| vmdkTk | int(11) | false | TK of the virtual disk. References: <ul style="list-style-type: none"> tk in dwh_cloud_cost.vmdk_dimension |
| uuid | varchar(255) | false | Globally unique ID. Correlates with IDs reported by cloud data sources (EC2, S3, etc.). |
| accountId | bigint(20) | false | The ID of the account that this billing item applies to. |
| availabilityZone | varchar(255) | true | The Availability Zone associated with this billing item charge. |
| cloudProviderName | varchar(255) | false | Generic name of the cloud service provider, e.g. AWS, Azure. |
| sku | varchar(255) | true | A unique code for a product. Use the SKU code to correlate product details and pricing. |

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|---|
| cpuCount | double | true | Number of CPUs (or vCPUs) available on the resource. |
| currencyCode | varchar(255) | true | The currency that this billing item is given in, e.g. USD. |
| locationCode | varchar(255) | true | Code identifying the location associated with this resource. For AWS, this maps to the region code. |
| locationName | varchar(255) | true | Name identifying the location associated with this resource. For AWS, this maps to the region name. |
| modelType | varchar(255) | true | Resource model type. For AWS instances, this is the instance type, e.g. m4.large. For AWS volumes, this is the volume type, e.g. gp2. |
| operatingSystem | varchar(255) | true | Operating system (OS) running on the VM instance. |
| pricingType | varchar(255) | true | Pricing type for the resource, e.g, for an EC2 instance, the value might be Spot or Dedicated. |
| resourceName | varchar(255) | true | Name of the resource associated with this billing item. Depending on the service, may be instance name (EC2), volume name (EBS), bucket name (S3), etc. |
| resourceType | varchar(255) | true | Generic type of the resource associated with this billing item. |
| serviceId | varchar(255) | true | Id of the service associated with this billing item. |

| Column | Type | Nullable | Description |
|-------------------------------|--------------|----------|---|
| serviceName | varchar(255) | true | Name of the service associated with this billing item, e.g. Amazon S3. |
| serviceType | varchar(255) | true | Name of the generic ServiceFamily associated with this billing item. |
| storageTypes | varchar(255) | true | Comma-separated list of storage types associated with this item, e.g. Standard, Magnetic, Amazon Glacier. |
| normalizationFactor | double | true | The relative value of the resource based on instance size. |
| totalCost | double | true | Total cost for this item. This value is equal to (usageTimeCost + dataTransferCost + dataStorageCost + requestsCost + otherCost). For AWS, this is the blended cost. |
| totalUnblendedCost | double | true | Total unblended cost for this item. This value is equal to (usageTimeUnblendedCost + dataTransferUnblendedCost + dataStorageUnblendedCost + requestsUnblendedCost + otherUnblendedCost). For AWS, this is the unblended cost. |
| usageTimeCost | double | true | Cost for all time-based usage associated with this resource. |
| usageTimeUnblendedCost | double | true | Unblended cost for time-based usage associated with this resource. |
| usageTimeHours | double | true | Time in hours for which the resource was billed. |

| Column | Type | Nullable | Description |
|-----------------------------------|--------|----------|--|
| discountedUsageTimeHours | double | true | Time in hours for which the resource was billed at a discounted rate. Is always less than usageTimeSeconds. |
| discountedUsageTimePercent | double | true | Percentage of time for which this resource was billed at a discounted rate. For example, for AWS, if an instance runs for 24 hours, and 18 hours are as a reserved instance, the discounted time ratio is 75%. This value is always between 0 and 100. |
| purchasedCredits | double | true | Number of usage credits purchased. For AWS, this represents reserved instance purchases. Cost is accounted for in totalFees. For AWS, units are in usage hours adjusted for instance size by a normalization factor. |
| consumedCredits | double | true | Number of usage credits consumed by this resource. For AWS, units are in usage hours adjusted to instance size by a normalization factor, also called reserved units. |
| dataTransferCost | double | true | Cost of all data transfers. |
| dataTransferUnblendedCost | double | true | Unblended cost of all data transfers. |
| dataTransferredGb | double | true | Total data transferred during the current day in GB (2 ³⁰ bytes). |
| dataStorageCost | double | true | Cost of all stored data. |
| dataStorageUnblendedCost | double | true | Unblended cost of all stored data. |

| Column | Type | Nullable | Description |
|--------------------------------|--------|----------|--|
| dataStoredGb | double | true | Average data stored during the current day in GB (2^30 bytes). |
| apiRequestCost | double | true | Cost of all api requests. |
| apiRequestUnblendedCost | double | true | Unblended cost of all api requests. |
| apiRequestCount | double | true | Total number of api requests. |
| otherCost | double | true | Costs that don't fit in any other category above. |
| otherUnblendedCost | double | true | Unblended costs that don't fit in any other category above. |
| totalFees | double | true | Total fees paid in relation to this item during the current day. Value might be negative, indicating that it's actually a refund. Note that fees are included in neither totalCost nor totalUnblendedCost. |
| totalTaxes | double | true | Total taxes paid in relation to this item during the current day. Note that taxes are included in neither totalCost nor totalUnblendedCost. |
| totalPublicOnDemandCost | double | true | The total cost for this item based on public on-demand rates. |

dwh_cloud_cost.cloud_resource_tag_fact

The daily data for cloud resource tags.

| Column | Type | Nullable | Description |
|-----------|---------|----------|-----------------|
| tk | int(11) | false | TK of the fact. |

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|--|
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none">• tk in dwh_cloud_cost.date dimension |
| uuid | varchar(255) | false | Globally unique ID. Correlates with IDs reported by cloud data sources (EC2, S3, etc.). |
| tagName | varchar(255) | false | Cloud resource tag name. |
| tagValue | varchar(255) | true | Cloud resource tag value. |

[dwh_cloud_cost.date_dimension](#)

| Column | Type | Nullable | Description |
|---------------------|-------------|----------|---|
| tk | int(11) | false | TK of the date object. |
| fullDate | datetime | false | Date of the date object. |
| dayInMonth | tinyint(4) | false | Day of the month for the date object. The first day of the month has value 1. |
| dayInYear | smallint(6) | false | Day in year of the date object. The first day of the year has value 1. |
| dateYear | smallint(6) | false | Year of the date object. |
| yearLabel | char(4) | false | Year formatted as String |
| monthNum | tinyint(4) | false | Month of the date object. January has value 1. |
| monthLabel | char(7) | false | Month formatted as String |
| dayInWeekNum | tinyint(4) | false | Day of the week for the date object. Sunday has value 1. |
| quarter | tinyint(4) | false | Quarter of the date object. First quarter has value 1. |

| Column | Type | Nullable | Description |
|-------------------------|-------------|----------|---|
| quarterLabel | char(7) | false | Quarter formatted as String |
| dayInQuarter | smallint(6) | false | Day in quarter of the date object. First day of the quarter has value 1. |
| repQuarter | tinyint(4) | false | Indicates whether this date is the first date available for its quarter. |
| repMonth | tinyint(4) | false | Indicates whether this date is the first date available for its month. |
| repWeek | tinyint(4) | false | Indicates whether this date is the first date available for its week. |
| repDay | tinyint(4) | false | Indicates whether this date is the first date available for its day. |
| repMonthOrLatest | tinyint(4) | false | Indicates whether this date is the repmonth or the latest. This flag is used by Datamarts which works on monthly reps. Only difference being for the current month it is the latest |
| sspFlag | tinyint(4) | false | Indicates whether this date is used in Storage and Storage Pool Datamart. It is true for month representatives and for the last number of days as defined in configuration. |
| latest | char(1) | true | Indicates whether this date is the last date available in the table. |
| future | char(1) | false | Indicates whether this date is a future date (projection) or regular one. |

[dwh_cloud_cost.vm_dimension](#)

| Column | Type | Nullable | Description |
|------------------------|---------------|----------|---|
| tk | int(11) | false | TK of this virtual machine row. |
| name | varchar(255) | false | Name of the virtual machine. |
| naturalKey | varchar(768) | false | Natural identifier of the virtual machine. |
| os | varchar(255) | true | Guest operating system. |
| virtualCenterIp | varchar(255) | true | IP address of virtual center of the virtual machine. |
| ips | varchar(4096) | true | Comma separated list of IP addresses of the virtual machine. |
| url | varchar(255) | true | Url to this virtual machine in Insight Server. |
| id | int(11) | true | GUID of the virtual machine in dwh_inventory.hv_virtual_machine |
| latest | char(1) | true | Indicates whether this row is the latest one for this virtual machine. |
| dateTk | int(11) | true | TK of the date in which this virtual machine row was created. References: <ul style="list-style-type: none"> • tk in dwh_cloud_cost.date dimension |

dwh_cloud_cost.vmdk_dimension

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|------------------------------|
| tk | int(11) | false | TK of this virtual disk row. |
| naturalKey | varchar(768) | false | Oid of the virtual disk. |
| name | varchar(255) | false | Name of the virtual disk. |
| type | varchar(255) | true | Type of the virtual disk. |

| Column | Type | Nullable | Description |
|---------------|--------------|----------|--|
| url | varchar(255) | true | Url to this virtual disk in Insight Server. |
| id | int(11) | true | GUID of the virtual disk in dwh_inventory.hv_virtual_disk |
| latest | char(1) | true | Indicates whether this row is the latest one for this virtual disk. |
| dateTk | int(11) | true | TK of the date in which this virtual disk row was created. References: <ul style="list-style-type: none"> • tk in dwh_cloud_cost.date dimension |

dwh_fs_util

dwh_fs_util.compute_resource_dimension

| Column | Type | Nullable | Description |
|-------------------|--------------------|----------|--|
| tk | int(11) | false | TK of this compute resource row. |
| identifier | varchar(768) | false | Natural identifier of the compute resource. |
| name | varchar(255) | false | name of the compute resource. |
| type | enum('HOST', 'VM') | false | resource type. |
| domain | varchar(255) | true | domain of compute resource. |
| ip | text | true | Comma separated list of IP addresses of the compute resource. |
| os | varchar(255) | true | Operating system running on the compute resource. |
| id | int(11) | true | GUID of the compute resource in dwh_inventory.compute_resource |

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| latest | char(1) | true | Indicates whether this row is the latest one for this compute resource. |
| dateTk | int(11) | true | TK of the date in which this compute resource row was created. References: <ul style="list-style-type: none"> • tk in dwh_fs_util.date_dimension |

dwh_fs_util.date_dimension

| Column | Type | Nullable | Description |
|---------------------|-------------|----------|---|
| tk | int(11) | false | TK of the date object. |
| fullDate | datetime | false | Date of the date object. |
| dayInMonth | tinyint(4) | false | Day of the month for the date object. The first day of the month has value 1. |
| dayInYear | smallint(6) | false | Day in year of the date object. The first day of the year has value 1. |
| dateYear | smallint(6) | false | Year of the date object. |
| yearLabel | char(4) | false | Year formatted as String |
| monthNum | tinyint(4) | false | Month of the date object. January has value 1. |
| monthLabel | char(7) | false | Month formatted as String |
| dayInWeekNum | tinyint(4) | false | Day of the week for the date object. Sunday has value 1. |
| quarter | tinyint(4) | false | Quarter of the date object. First quarter has value 1. |
| quarterLabel | char(7) | false | Quarter formatted as String |

| Column | Type | Nullable | Description |
|-------------------------|-------------|----------|---|
| dayInQuarter | smallint(6) | false | Day in quarter of the date object. First day of the quarter has value 1. |
| repQuarter | tinyint(4) | false | Indicates whether this date is the first date available for its quarter. |
| repMonth | tinyint(4) | false | Indicates whether this date is the first date available for its month. |
| repWeek | tinyint(4) | false | Indicates whether this date is the first date available for its week. |
| repDay | tinyint(4) | false | Indicates whether this date is the first date available for its day. |
| repMonthOrLatest | tinyint(4) | false | Indicates whether this date is the repmonth or the latest. This flag is used by Datamarts which works on monthly reps. Only difference being for the current month it is the latest |
| sspFlag | tinyint(4) | false | Indicates whether this date is used in Storage and Storage Pool Datamart. It is true for month representatives and for the last number of days as defined in configuration. |
| latest | char(1) | true | Indicates whether this date is the last date available in the table. |
| future | char(1) | false | Indicates whether this date is a future date (projection) or regular one. |

dwh_fs_util.file_system_dimension

| Column | Type | Nullable | Description |
|----------------------------------|--------------|----------|--|
| tk | int(11) | false | TK of the dimension. |
| computeResourceIdentifier | varchar(768) | false | Identifier of the compute resource. Part of the natural key. |
| name | varchar(255) | false | Mounting point or drive letter. Part of the natural key. |
| location | varchar(255) | true | Indicates where the data is kept and how it is accessed. For example: local, SAN, NAS. Will be set to null if the location is unknown. |
| hardwareId | varchar(255) | true | Host specific identifier. Will be set to null if unknown. |
| type | varchar(255) | true | File system type. For example: NTFS, FAT, UFS, UDF, ZFS, ISO 9660, VXFS etc. Will be set to null if unknown. |
| id | int(11) | true | GUID of the file-system in dwh_inventory.file_system. |
| latest | char(1) | false | Indicates whether this row is the latest one for this file-system. |
| dateTk | int(11) | true | <p>TK of the date in which this file-system row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_fs_util.date_dimension |

dwh_fs_util.fs_util_fact

Displays file system utilization.

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date. References: <ul style="list-style-type: none">• tk in dwh fs util.date dimension |
| hostTk | int(11) | false | TK of the host. References: <ul style="list-style-type: none">• tk in dwh fs util.host dimension |
| vmTk | int(11) | false | TK of the vm. References: <ul style="list-style-type: none">• tk in dwh fs util.vm dimension |
| computeResourceTk | int(11) | false | TK of the computeResource. References: <ul style="list-style-type: none">• tk in dwh fs util.compute resource dimension |
| fsTk | int(11) | false | TK of the file system. References: <ul style="list-style-type: none">• tk in dwh fs util.file system dimension |
| storageTk | int(11) | false | TK of the storage. References: |

| Column | Type | Nullable | Description |
|---------------|------------|----------|--|
| | | | <ul style="list-style-type: none"> tk in dwh_fs_util.storage_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_fs_util.tier_dimension |
| sizeMB | bigint(20) | false | Size of the file system in MB. |
| usedMB | bigint(20) | false | Amount of file-system capacity that is used and isn't available. |

dwh_fs_util.host_dimension

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| tk | int(11) | false | TK of this host row. |
| name | varchar(255) | false | Name of the host. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | Comma separated list of IP addresses of the host. |
| os | varchar(255) | true | Operating system running on the host. |
| model | varchar(255) | false | Model number. |
| manufacturer | varchar(255) | false | Manufacturer of the host. |
| url | varchar(255) | true | Url to this host in Insight Server. |
| id | int(11) | true | GUID of the host in dwh_inventory.host. |

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|---|
| latest | char(1) | true | Indicates whether this row is the latest one for this host. |
| dateTk | int(11) | true | TK of the date in which this host row was created. References: <ul style="list-style-type: none"> tk in dwh_fs_util.date_dimension |
| dataCenter | varchar(255) | true | dataCenter annotation value assigned to dwh_dimensions.host_dimension |

dwh_fs_util.storage_dimension

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|--|
| tk | int(11) | false | TK of this storage array row. |
| name | varchar(255) | false | Name of the storage array. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | IP address of the storage array. |
| model | varchar(255) | false | Model of the storage array. |
| manufacturer | varchar(255) | false | Manufacturer of the storage array. |
| serialNumber | varchar(255) | true | Serial number for the storage array. |
| microcodeVersion | varchar(255) | true | Version of the firmware running on the storage array. |
| family | varchar(255) | false | Family name of the storage array (e.g. Clariion, Symmetrix etc). |
| url | varchar(255) | true | Url to this storage in Insight Server. |
| id | int(11) | true | GUID of the storage array in dwh_inventory.storage. |

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|--|
| latest | char(1) | true | Indicates whether this row is the latest one for this storage. |
| dateTk | int(11) | true | TK of the date in which this stroage array row was created. References: <ul style="list-style-type: none"> tk in dwh_fs_util.date dimension |
| dataCenter | varchar(255) | true | dataCenter annotation value assigned to dwh_dimensions.storage_dimension |

dwh_fs_util.tier_dimension

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|---|
| tk | int(11) | false | TK of this tier row. |
| name | varchar(255) | false | Identifying name for the tier. |
| sequence | int(11) | true | Sequential number of the tier as defined in dwh_inventory.annotation_value. |
| cost | double | true | Cost associated with this tier. |
| id | int(11) | true | GUID of the tier in dwh_inventory.annotation_value. |
| latest | char(1) | true | Indicates whether this row is the latest one for this tier. |
| dateTk | int(11) | true | TK of the date in which this tier row was created. References: <ul style="list-style-type: none"> tk in dwh_fs_util.date dimension |

dwh_fs_util.vm_dimension

| Column | Type | Nullable | Description |
|------------------------|---------------|----------|---|
| tk | int(11) | false | TK of this virtual machine row. |
| name | varchar(255) | false | Name of the virtual machine. |
| naturalKey | varchar(768) | false | Natural identifier of the virtual machine. |
| os | varchar(255) | true | Guest operating system. |
| virtualCenterIp | varchar(255) | true | IP address of virtual center of the virtual machine. |
| ips | varchar(4096) | true | Comma separated list of IP addresses of the virtual machine. |
| url | varchar(255) | true | Url to this virtual machine in Insight Server. |
| id | int(11) | true | GUID of the virtual machine in dwh_inventory.hv_virtual_machine |
| latest | char(1) | true | Indicates whether this row is the latest one for this virtual machine. |
| dateTk | int(11) | true | TK of the date in which this virtual machine row was created. References: <ul style="list-style-type: none">tk in dwh_fs_util.date_dimension |

dwh_inventory

dwh_inventory.acq_acquisition_unit

| Column | Type | Nullable | Description |
|-----------|---------|----------|-------------------------------|
| id | int(11) | false | GUID of the acquisition unit. |

| Column | Type | Nullable | Description |
|-------------------------|------------------------|----------|---|
| identifier | varchar(768) | false | Identifier of the acquisition unit. |
| name | varchar(255) | true | Name of the acquisition unit. |
| ip | varchar(255) | true | IP address of the acquisition unit. |
| siteName | varchar(255) | false | The SANSscreen Site to which this acquisition unit belongs. |
| leasePeriod | bigint(20) unsigned | true | Lease period in milliseconds for the acquisition unit. |
| nextLeaseRenewal | datetime | true | Time when the lease for the acquisition unit expires. |

dwh_inventory.acq_data_source

| Column | Type | Nullable | Description |
|--------------------------|--------------|----------|--|
| id | int(11) | false | GUID of the data source. |
| acquisitionUnitId | int(11) | false | GUID of the acquisition unit to which this data source belongs. References: <ul style="list-style-type: none"> • id in dwh_inventory.acq_acquisition_unit |
| name | varchar(255) | true | Name of the data source. |
| type | varchar(255) | true | Type of the data source. |
| vendor | varchar(255) | true | Vendor of the data source. |
| model | varchar(255) | true | Model of the data source. |

| Column | Type | Nullable | Description |
|------------------------------------|---|----------|---|
| auditLastStatus | enum('SUCCESS', 'PARTIAL_SUCCESS', 'FAILURE') | true | The last status reported for the data source. |
| auditStatusDate | datetime | true | The time for the status report. |
| auditStatusSince | datetime | true | The time when this status report started. |
| auditStatusCount | int(11) | true | Count of audit entries for this status. |
| auditLastStatusMessage | text | true | Message description for the data source status. |
| additionalDataSourceMessage | varchar(255) | true | Additional status message for the data source. |

dwh_inventory.annotation_value

| Column | Type | Nullable | Description |
|------------------------|--|----------|---|
| id | int(11) | false | GUID for the annotation. |
| annotationType | varchar(255) | false | System or user defined type such as Tier, Data center, etc. |
| valueIdentifier | varchar(255) | false | Value of the annotation. |
| valueType | enum('BOOLEAN', 'DATE', 'FIXED_ENUM', 'FLEXIBLE_ENUM', 'NUMBER', 'TEXT') | false | The data type for annotation value. |
| valueDate | datetime | true | Value of the annotation (Date format). |

| Column | Type | Nullable | Description |
|---------------------|---------|----------|---|
| enumSequence | int(11) | true | Sequence number determining the order of enumeration values. This is used primarily for display purposes. |
| enumCost | double | true | Optional cost associated with the annotation. Applicable for Tier annotation. |

dwh_inventory.application

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|---|
| id | int(11) | false | GUID for the application. |
| businessEntityId | int(11) | true | GUID of the business entity References: <ul style="list-style-type: none"> id in dwh_inventory.business_entity |
| name | varchar(255) | false | Name of the application. |
| description | varchar(255) | true | Description of the application. |
| businessUnit | varchar(255) | true | [Deprecated] Name of the business unit that owns the application. |
| ignoreSharing | tinyint(4) | true | Indicates whether SANSscreen issues sharing violations for hosts of this application. |
| priority | varchar(255) | true | Priority of the application. |

| Column | Type | Nullable | Description |
|------------------------------|--------------|----------|--|
| businessEntityDefault | char(1) | false | True if this is a dummy application, created to hold business entity |
| url | varchar(255) | true | Url to this application in Insight Server. |

dwh_inventory.auto_tiering_policy

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|---|
| id | int(11) | false | GUID of the auto tiering policy. |
| storageId | int(11) | false | GUID of the storage on which the auto tiering policy is defined. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| identifier | varchar(768) | false | Identifier of the auto tiering policy. |
| name | varchar(255) | true | Name of the auto tiering policy. |

dwh_inventory.auto_tiering_policy_constraint

| Column | Type | Nullable | Description |
|----------------------------|---------|----------|---|
| id | int(11) | false | GUID of the auto tiering policy constraint. |
| autoTieringPolicyId | int(11) | false | GUID of the auto tiering policy. References: |

| Column | Type | Nullable | Description |
|--------------|--------------|----------|---|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.auto_tiering_policy |
| storageId | int(11) | false | GUID of the storage on which the auto tiering policy is defined. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| vendorTier | varchar(255) | false | Vendor-specific tier name. |
| limitPercent | int(11) | false | Volume share limit on this tier. |

dwh_inventory.backend_lun

Frontend LUNs that are mapped to the backend volumes.

| Column | Type | Nullable | Description |
|-----------|--------------|----------|---|
| id | int(11) | false | GUID of the backend LUN. |
| storageId | int(11) | false | GUID of the storage array. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| name | varchar(255) | false | Name of the LUN. |

dwh_inventory.backend_lun_to_volume

AV - mapping between backend LUNs and the backend volumes.

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|--|
| id | int(11) | false | GUID of the backend path. |
| frontendStorageId | int(11) | false | GUID of the frontend storage array. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| backendLunId | int(11) | false | GUID of the backend LUN in the frontend array. References: <ul style="list-style-type: none"> id in dwh_inventory.backend_lun |
| backendStorageId | int(11) | false | GUID of the backend storage array. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| backendVolumeId | int(11) | false | GUID of the backend Volume. References: <ul style="list-style-type: none"> id in dwh_inventory.volume |

[dwh_inventory.backend_path](#)

AV - path from LUN in frontend array to backend volume.

| Column | Type | Nullable | Description |
|---------------------|---------|----------|---|
| id | int(11) | false | GUID of the backend path. |
| backendLunId | int(11) | false | GUID of the backend LUN. References: |

| Column | Type | Nullable | Description |
|-------------------------------|--------------|----------|--|
| | | | <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.backend_lun |
| <code>storageId</code> | int(11) | false | GUID of the storage array. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.storage |
| <code>lun</code> | varchar(255) | false | Logical Unit Number. |
| <code>initiatorPortWwn</code> | varchar(255) | false | WWN of the frontend storage port. |
| <code>targetPortWwn</code> | varchar(255) | false | WWN of the backend storage port. |

dwh_inventory.business_entity

| Column | Type | Nullable | Description |
|---------------------------|---------------|----------|----------------------------------|
| <code>id</code> | int(11) | false | The ID from globalization. |
| <code>fullname</code> | varchar(1024) | false | The name of the business entity. |
| <code>tenant</code> | varchar(255) | false | The tenant name. |
| <code>lob</code> | varchar(255) | false | The line of business name. |
| <code>businessUnit</code> | varchar(255) | false | The business unit name. |
| <code>project</code> | varchar(255) | false | The project name. |

dwh_inventory.cloud_resource

| Column | Type | Nullable | Description |
|-----------------|---------|----------|-----------------------------|
| <code>id</code> | int(11) | false | GUID of the cloud resource. |

| Column | Type | Nullable | Description |
|--------------------------|--------------|----------|---|
| uuid | varchar(255) | false | Globally unique ID. Correlates with IDs reported by cloud data sources (EC2, S3, etc.). |
| accountId | bigint(20) | false | The ID of the account that this billing item applies to. |
| availabilityZone | varchar(255) | true | The Availability Zone associated with this billing item charge. |
| cloudProviderName | varchar(255) | false | Generic name of the cloud service provider, e.g. AWS, Azure. |
| sku | varchar(255) | true | A unique code for a product. Use the SKU code to correlate product details and pricing. |
| cpuCount | double | true | Number of CPUs (or vCPUs) available on the resource. |
| currencyCode | varchar(255) | true | The currency that this billing item is given in, e.g. USD. |
| locationCode | varchar(255) | true | Code identifying the location associated with this resource. For AWS, this maps to the region code. |
| locationName | varchar(255) | true | Name identifying the location associated with this resource. For AWS, this maps to the region name. |
| modelType | varchar(255) | true | Resource model type. For AWS instances, this is the instance type, e.g. m4.large. For AWS volumes, this is the volume type, e.g. gp2. |
| operatingSystem | varchar(255) | true | Operating system (OS) running on the VM instance. |
| pricingType | varchar(255) | true | Pricing type for the resource, e.g, for an EC2 instance, the value might be Spot or Dedicated. |

| Column | Type | Nullable | Description |
|----------------------------|--------------|----------|---|
| resourceName | varchar(255) | true | Name of the resource associated with this billing item. Depending on the service, may be instance name (EC2), volume name (EBS), bucket name (S3), etc. |
| resourceType | varchar(255) | true | Generic type of the resource associated with this billing item. |
| serviceId | varchar(255) | true | Id of the service associated with this billing item. |
| serviceName | varchar(255) | true | Name of the service associated with this billing item, e.g. Amazon S3. |
| serviceType | varchar(255) | true | Name of the generic ServiceFamily associated with this billing item. |
| storageTypes | varchar(255) | true | Comma-separated list of storage types associated with this item, e.g. Standard, Magnetic, Amazon Glacier. |
| normalizationFactor | double | true | The relative value of the resource based on instance size. |

dwh_inventory.cloud_resource_tag

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|---|
| cloudResourceId | int(11) | false | GUID of the cloud resource. References: <ul style="list-style-type: none">id in dwh_inventory.cloud_resource |
| tagName | varchar(255) | false | Cloud resource tag name |
| tagValue | varchar(255) | true | Cloud resource tag value |

dwh_inventory.cm_lun_requests

| Column | Type | Nullable | Description |
|-------------------------|---|----------|--|
| id | int(11) | false | The ID from Globalization. References: <ul style="list-style-type: none">• id in dwh_inventory.cm_request• requestId in dwh_inventory.cm_lun_requirement |
| businessEntityId | int(11) | true | GUID of business entity |
| displayName | varchar(255) | true | Request Name |
| description | varchar(255) | true | Request Description |
| owner | varchar(255) | true | The assignee on the request |
| requester | varchar(255) | true | Requester |
| requesterEmail | varchar(255) | true | Requester email |
| state | enum('NEW', 'OPEN', 'REJECTED', 'CANCELLED', 'COMPLETED') | true | State of request |
| justification | text | true | Justification for the request |
| comments | text | true | Comments |
| creationDate | datetime | false | Request creation date |

| Column | Type | Nullable | Description |
|---------------------------|-------------------------------|----------|---|
| dueDate | datetime | true | Request due date |
| dueDateYYYYMM | varchar(6) | true | Request due date in YYYYMM format. |
| dueDateYYYYMMDD | varchar(8) | true | Request due date in YYYYMMDD format. |
| completionDate | datetime | true | Date on which all requirements were fulfilled |
| requestTargetType | enum('NONE', 'OTHER', 'HOST') | true | Target Type of the Request |
| dataCenter | varchar(255) | false | Data Center Annotation |
| fabric | varchar(255) | false | SAN Annotation |
| ticket | varchar(255) | true | Ticket number |
| active | char(1) | false | The request is not deleted |
| note | varchar(512) | true | Note on the requirement |
| lunCount | int(11) | false | Number of luns |
| capacityGB | double | false | Required size for each lun |
| tier | varchar(255) | false | Required Tier |
| lunReservationDate | datetime | true | Reservation date of the requirement |

dwh_inventory.cm_lun_requirement

| Column | Type | Nullable | Description |
|-----------|---------|----------|----------------------------|
| id | int(11) | false | The ID from Globalization. |

| Column | Type | Nullable | Description |
|-----------------------|--------------|----------|--|
| requestId | int(11) | false | The Request ID. References: <ul style="list-style-type: none"> id in dwh_inventory.cm_request |
| note | varchar(512) | true | Note on the requirement |
| lunCount | int(11) | false | Number of luns |
| capacityGB | double | false | Required size for each lun |
| tier | varchar(255) | false | Required Tier |
| completionDate | datetime | true | Reservation date of the requirement |

dwh_inventory.cm_port_requests

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|--|
| id | int(11) | false | The ID from Globalization. References: <ul style="list-style-type: none"> id in dwh_inventory.cm_request requestId in dwh_inventory.cm_port_requirement |
| businessEntityId | int(11) | true | GUID of business entity |
| displayName | varchar(255) | true | Request Name |
| description | varchar(255) | true | Request Description |
| owner | varchar(255) | true | The assignee on the request |
| requester | varchar(255) | true | Requester |

| Column | Type | Nullable | Description |
|--------------------------|---|----------|---|
| requesterEmail | varchar(255) | true | Requester email |
| state | enum('NEW', 'OPEN', 'REJECTED', 'CANCELLED', 'COMPLETED') | true | State of request |
| justification | text | true | Justification for the request |
| comments | text | true | Comments |
| creationDate | datetime | false | Request creation date |
| dueDate | datetime | true | Request due date |
| dueDateYYYYMM | varchar(6) | true | Request due date in YYYYMM format. |
| dueDateYYYYMMDD | varchar(8) | true | Request due date in YYYYMMDD format. |
| completionDate | datetime | true | Date on which all requirements were fulfilled |
| requestTargetType | enum('NONE', 'OTHER', 'HOST') | true | Target Type of the Request |
| dataCenter | varchar(255) | false | Data Center Annotation |
| fabric | varchar(255) | false | SAN Annotation |
| ticket | varchar(255) | true | Ticket number |
| active | char(1) | false | The request is not deleted |
| note | varchar(512) | true | Note on the requirement |
| portCount | int(11) | false | Number of required ports |

| Column | Type | Nullable | Description |
|----------------------------|----------|----------|-------------------------------------|
| portReservationDate | datetime | true | Reservation date of the requirement |

dwh_inventory.cm_port_requirement

| Column | Type | Nullable | Description |
|-----------------------|--------------|----------|--|
| id | int(11) | false | The ID from Globalization. |
| requestId | int(11) | false | Foreign Key for cm_Request. References: <ul style="list-style-type: none"> id in dwh_inventory.cm_request |
| note | varchar(512) | true | Note on the requirement |
| portCount | int(11) | false | Number of required ports |
| completionDate | datetime | true | Reservation date of the requirement |

dwh_inventory.cm_request

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|---|
| id | int(11) | false | The ID from Globalization. |
| businessEntityId | int(11) | true | GUID of business entity References: <ul style="list-style-type: none"> id in dwh_inventory.business_entity |
| displayName | varchar(255) | true | Request Name |

| Column | Type | Nullable | Description |
|--------------------------|---|----------|---|
| description | varchar(255) | true | Request Description |
| owner | varchar(255) | true | The assignee on the request |
| requester | varchar(255) | true | Requester |
| requesterEmail | varchar(255) | true | Requester email |
| state | enum('NEW', 'OPEN', 'REJECTED', 'CANCELLED', 'COMPLETED') | true | State of request |
| justification | text | true | Justification for the request |
| comments | text | true | Comments |
| creationDate | datetime | false | Request creation date |
| dueDate | datetime | true | Request due date |
| completionDate | datetime | true | Date on which all requirements were fulfilled |
| requestTargetType | enum('NONE', 'OTHER', 'HOST') | true | Target Type of the Request |
| dataCenter | varchar(255) | false | Data Center Annotation |
| fabric | varchar(255) | false | SAN Annotation |
| ticket | varchar(255) | true | Ticket number |
| active | char(1) | false | The request is not deleted |

[dwh_inventory.compute_resource](#)

| Column | Type | Nullable | Description |
|-------------------|--------------------|----------|--|
| id | int(11) | false | GUID of the Operating System |
| hostId | int(11) | true | The Host ID. References: <ul style="list-style-type: none">• id in dwh_inventory.host |
| vmId | int(11) | true | The VM ID. References: <ul style="list-style-type: none">• id in dwh_inventory.hv_virtual_machine |
| identifier | varchar(768) | false | identifier of the compute resource |
| name | varchar(255) | false | name of the compute resource. |
| type | enum('HOST', 'VM') | false | resource type. |
| domain | varchar(255) | true | domain of compute resource. |
| ip | text | true | Comma separated list of IP addresses of the compute resource. |
| os | varchar(255) | true | Operating system running on the compute resource. |
| cpuCount | int(11) | true | cpu count of compute resource. |
| memory | int(11) | true | memory of compute resource. |

dwh_inventory.disk

Disk for storage arrays

| Column | Type | Nullable | Description |
|-----------|---------|----------|-------------------|
| id | int(11) | false | GUID of the disk. |

| Column | Type | Nullable | Description |
|-------------------|---|----------|---|
| storageId | int(11) | false | GUID of the storage array (filer). References: <ul style="list-style-type: none">• id in dwh_inventory.storage |
| identifier | varchar(768) | false | The identifier of the disk. Uniquely identifies the disk in the storage. |
| name | varchar(255) | true | The name of the disk. |
| speed | int(11) | true | Speed for disk. |
| capacityGB | bigint(20) | true | Disk capacity in GB. |
| location | varchar(255) | true | Location of disk, where is it installed. |
| role | enum('DATA', 'PARITY', 'DPARITY', 'MIXED', 'SPARE', 'UNALLOCATED', 'FAULTY', 'OTHER') | false | Role enumeration for disk in storage group (e.g. PARITY, DATA, SPARE). |
| vendor | varchar(255) | true | Disk vendor (e.g. NetApp, SEAGATE). |
| model | varchar(255) | true | Disk model. |
| type | enum('ATA', 'FATA', 'SATA', 'SATA2', 'SATA3', 'FC', 'SAS', 'SSD', 'OTHER') | false | Type enumeration for the disk (e.g. SATA, FC). |
| diskGroup | varchar(255) | true | Identifier for disk group the disk belongs to (e.g. rg0, 7). |
| status | enum('NORMAL', 'FAILED', 'QUESTIONABLE', 'ZEROING', | false | Status enumeration for disk (e.g. NORMAL, FAILED). |

| Column | Type | Nullable | Description |
|---------------------|---|----------|-------------------------------------|
| | 'COPYING', 'PENDING', 'PARTNER', 'RECONSTRUCTING', 'OTHER') | | |
| serialNumber | varchar(255) | true | The disk serial number |
| url | varchar(255) | true | Url to this disk in Insight Server. |

dwh_inventory.disk_group

| Column | Type | Nullable | Description |
|----------------------------|--------------|----------|---|
| id | int(11) | false | GUID of the disk group |
| storageId | int(11) | false | GUID of the storage array References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| name | varchar(255) | false | name of the disk group |
| identifier | varchar(768) | false | identifier of the disk group |
| vendorDiskGroupType | varchar(255) | true | vendor type of the disk group |
| diskType | varchar(255) | true | type of disks in the disk group |
| status | varchar(255) | true | status of the disk group |
| redundancy | varchar(255) | true | redundancy of the disk group |
| isVirtual | char(1) | false | indicates whether the disk group is virtual |
| vendorTier | varchar(255) | true | vendor tier of the disk group |
| capacityMB | bigint(20) | false | usable capacity of the disk group |

| Column | Type | Nullable | Description |
|-------------------------------|------------|----------|-------------------------------------|
| usedCapacityMB | bigint(20) | false | used capacity of the disk group |
| physicalDiskCapacityMB | bigint(20) | true | physical capacity of the disk group |

dwh_inventory.disk_group_to_disk

Lists the disks in a disk group.

| Column | Type | Nullable | Description |
|--------------------|---------|----------|--|
| storageId | int(11) | false | GUID of the storage array. References: <ul style="list-style-type: none">id in dwh_inventory.storage |
| diskGroupId | int(11) | false | GUID of the disk group. References: <ul style="list-style-type: none">id in dwh_inventory.disk_group |
| diskId | int(11) | false | GUID of the disk. References: <ul style="list-style-type: none">id in dwh_inventory.disk |

dwh_inventory.disk_group_to_storage_pool

Lists the storage pools in a disk group.

| Column | Type | Nullable | Description |
|------------------|---------|----------|---|
| storageId | int(11) | false | GUID of the storage array. References: |

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.storage |
| diskGroupId | int(11) | false | GUID of the disk group. References: <ul style="list-style-type: none"> id in dwh_inventory.disk_group |
| storagePoolId | int(11) | false | GUID of the storage pool. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_pool |

dwh_inventory.dr_internal_volume_replica

| Column | Type | Nullable | Description |
|-------------------------------|---------|----------|---|
| sourceStorageId | int(11) | false | GUID of the storage that is the source of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| sourceInternalVolumeId | int(11) | false | GUID of the internal volume that is the source of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.internal_volume |

| Column | Type | Nullable | Description |
|-------------------------------|--------------|----------|--|
| targetStorageId | int(11) | false | GUID of the storage that is the target of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| targetInternalVolumeId | int(11) | false | GUID of the internal volume that is the target of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.internal_volume |
| mode | varchar(255) | true | Synchronization mode for the replica. Possible values are Synchronous, Asynchronous, Semi Synchronous, Copy and Unknown. |
| technology | varchar(255) | true | The technology used for this replication. E.g., SnapMirror |
| dwhCalculated | char(1) | false | True if this is a cross-site replica calculated by DWH |

[dwh_inventory.dr_qtree_replica](#)

| Column | Type | Nullable | Description |
|------------------------|---------|----------|--|
| sourceStorageId | int(11) | false | GUID of the storage that is the source of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|--|
| sourceQtreeId | int(11) | false | GUID of the qtree that is the source of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.qtree |
| targetStorageId | int(11) | false | GUID of the storage that is the target of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| targetQtreeId | int(11) | false | GUID of the qtree that is the target of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.qtree |
| mode | varchar(255) | true | Synchronization mode for the replica. Possible values are Synchronous, Asynchronous, Semi Synchronous, Copy and Unknown. |
| technology | varchar(255) | true | The technology used for this replication. E.g., SnapMirror |
| dwhCalculated | char(1) | false | True if this is a cross-site replica calculated by DWH |

dwh_inventory.dr_replica

[Deprecated] Use dr_volume_replica instead

| Column | Type | Nullable | Description |
|------------------------|---------|----------|---|
| sourceStorageId | int(11) | false | GUID of the storage that is the source of the replica. References: |

| Column | Type | Nullable | Description |
|------------------------|------------|----------|--|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.storage |
| sourceVolumeId | int(11) | false | <p>GUID of the volume that is the source of the replica.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.volume |
| targetStorageId | int(11) | false | <p>GUID of the storage that is the target of the replica.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.storage |
| targetVolumeId | int(11) | false | <p>GUID of the volume that is the target of the replica.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.volume |
| fabrics | int(11) | true | [deprecated] Number of fabrics utilized by the replica. |
| spf | tinyint(4) | true | [deprecated] Indicates whether the replica has a single point of failure. |
| sourcePorts | int(11) | true | [deprecated] Number of source ports used by the replica. |
| targetPorts | int(11) | true | [deprecated] Number of target ports used by the replica. |
| hopsCount | int(11) | true | [deprecated] Number of switch hops for this replica. |

| Column | Type | Nullable | Description |
|--------------|--|----------|--|
| synch | enum('SYNCHRONOUS', 'ASYNCHRONOUS', 'SEMI_SYNCHRONOUS', 'COPY', 'UNKNOWN') | false | Enumerated text describing the replication mode configured |

dwh_inventory.dr_volume_replica

| Column | Type | Nullable | Description |
|------------------------|---------|----------|---|
| sourceStorageId | int(11) | false | <p>GUID of the storage that is the source of the replica.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.storage |
| sourceVolumeId | int(11) | false | <p>GUID of the volume that is the source of the replica.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.volume |
| targetStorageId | int(11) | false | <p>GUID of the storage that is the target of the replica.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.storage |

| Column | Type | Nullable | Description |
|-----------------------|--|----------|---|
| targetVolumeId | int(11) | false | <p>GUID of the volume that is the target of the replica.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.volume |
| fabrics | int(11) | true | [deprecated] Number of fabrics utilized by the replica. |
| spf | tinyint(4) | true | [deprecated] Indicates whether the replica has a single point of failure. |
| sourcePorts | int(11) | true | [deprecated] Number of source ports used by the replica. |
| targetPorts | int(11) | true | [deprecated] Number of target ports used by the replica. |
| hopsCount | int(11) | true | [deprecated] Number of switch hops for this replica. |
| mode | enum('SYNCHRONOUS', 'ASYNCHRONOUS', 'SEMI_SYNCHRONOUS', 'COPY', 'UNKNOWN') | false | Enumerated text describing the replication mode configured |
| modeRaw | varchar(255) | true | Text describing the replication mode configured |
| technology | varchar(255) | true | Text describing the used replication technology |
| state | enum('SYNCRONIZED', 'SPLIT', | false | Text describing the dynamic state of replication |

| Column | Type | Nullable | Description |
|---------------------------------|--|----------|---|
| | 'IN_PROGRESS_SYNCHRONIZING', 'IN_PROGRESS_RESTORE', 'FAILED_OVER', 'INITIAL', 'FAILED', 'UNKNOWN') | | |
| stateRaw | varchar(255) | true | Enumerated text describing the dynamic state of replication |
| stateStartTime | datetime | true | The known Start time of the reported state |
| stateSampleTime | datetime | true | The last update time for the State |
| stateStartTimeCalculated | char(1) | true | True, If the Starttime is calculated by Sansscreen Server |
| dwhCalculated | char(1) | false | True if this is a cross-site replica calculated by DWH |

dwh_inventory.extended_data

| Column | Type | Nullable | Description |
|-------------------|---------------|----------|---|
| objectId | int(11) | false | GUID of the object. |
| objectType | varchar(64) | false | Type of the object. |
| fieldName | varchar(64) | false | Name of extended data field. |
| fieldValue | varchar(4096) | false | Value of the extended data field for this object. |

dwh_inventory.fabric

| Column | Type | Nullable | Description |
|----------------------|--------------|----------|---|
| id | int(11) | false | GUID of the fabric. |
| identifier | varchar(768) | false | Identifier of the fabric. |
| wwn | varchar(255) | false | WWN of the fabric. |
| name | varchar(255) | false | Name of the fabric. |
| vsanEnabled | char(1) | false | Indicates whether this fabric is a VSAN. |
| vsanId | varchar(255) | true | Identifier for the VSAN in case this fabric is a VSAN. |
| zoningEnabled | char(1) | false | If true, zoning is enforce based on the data in the zone and zone members table. Otherwise, zoning is not enforced in the Fabric. |
| url | varchar(255) | true | Url to this fabric in Insight Server. |

dwh_inventory.fc_name_server_entry

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| id | int(11) | false | GUID of the fc name server entry. |
| portId | int(11) | false | GUID of the node port. References: <ul style="list-style-type: none">• id in dwh_inventory.storage_port• id in dwh_inventory.tape_port• id in dwh_inventory.host_port• id in dwh_inventory.generic_device_port |

| Column | Type | Nullable | Description |
|-------------------------------|---|----------|---|
| type | enum('HOST_PORT', 'STORAGE_PORT', 'GENERIC_DEVICE_PORT', 'TAPE_PORT') | false | Type of the node port. (e.g., HOST_PORT, STORAGE_PORT, TAPE_PORT, GENERIC_DEVICE_PORT) |
| wwn | varchar(255) | false | WWN of the node port. |
| connectedSwitchPortId | int(11) | false | GUID of the connected switch port. References: <ul style="list-style-type: none"> id in dwh_inventory.switch_port |
| connectedSwitchPortWwn | varchar(255) | false | WWN of the connected switch port. |
| physicalPortWwn | varchar(255) | true | WWN of the physical port (e.g., NP-Port of NPV). It is same as node port if node port is directly connected to switch port. |
| fcId | varchar(255) | false | ID assigned after the handshake/login. |

dwh_inventory.file_system

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|--|
| id | int(11) | false | GUID of the file system. |
| computeResourceId | int(11) | false | GUID of the compute resource. References: |

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|--|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.compute_resource |
| hostId | int(11) | true | <p>GUID of the host.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.host |
| name | varchar(255) | false | Mounting point or drive letter. Part of the natural key. |
| location | varchar(255) | true | Indicates where the data is kept and how it is accessed. For example: local, SAN, NAS. Will be set to null if the location is unknown. |
| hardwareId | varchar(255) | true | Host specific identifier. Will be set to null if unknown. |
| type | varchar(255) | true | File system type. For example: NTFS, FAT, UFS, UDF, ZFS, ISO 9660, VXFS etc. Will be set to null if unknown. |
| lastAgentReportTime | datetime | true | Last time when file system information was collected by agent |
| sizeMB | bigint(20) | false | Size of the file system in MB. |
| usedMB | bigint(20) | false | Amount of file-system capacity that is used and isn't available. |

[dwh_inventory.file_system_to_virtual_disk](#)

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|---|
| id | int(11) | false | GUID of the file system to volume relation. |
| virtualDiskId | int(11) | false | GUID of the virtual disk. References: <ul style="list-style-type: none">id in dwh_inventory.hv_virtual_disk |
| fileSystemId | int(11) | false | GUID of the file system. References: <ul style="list-style-type: none">id in dwh_inventory.file_system |
| computeResourceId | int(11) | true | GUID of the compute resource. References: <ul style="list-style-type: none">id in dwh_inventory.compute_resource |
| dataStoreId | int(11) | true | GUID of the data store. References: <ul style="list-style-type: none">id in dwh_inventory.hv_data_store |

dwh_inventory.file_system_to_volume

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|---|
| id | int(11) | false | GUID of the file system to volume relation. |
| computeResourceId | int(11) | false | GUID of the compute resource. References: <ul style="list-style-type: none">id in dwh_inventory.compute_resource |

| Column | Type | Nullable | Description |
|---------------------|---------|----------|--|
| fileSystemId | int(11) | false | GUID of the file system. References: <ul style="list-style-type: none">id in dwh_inventory.file_system |
| storageId | int(11) | false | GUID of the storage. References: <ul style="list-style-type: none">id in dwh_inventory.storage |
| volumeId | int(11) | false | GUID of the volume. References: <ul style="list-style-type: none">id in dwh_inventory.volume |

dwh_inventory.generic_device

Unidentified node, may be a HBA, storage or tape controller.

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| id | int(11) | false | GUID of the generic device. |
| wwn | varchar(255) | false | WWN of the generic device |
| identifier | varchar(768) | false | Identifier of the device. |
| manufacturer | varchar(255) | true | Manufacturer of the generic device. |
| model | varchar(255) | true | Model of the generic device. |
| firmware | varchar(255) | true | Firmware version of the generic device. |
| driver | varchar(255) | true | Driver of the generic device. |
| serialNumber | varchar(255) | true | Serial number of the generic device. |

dwh_inventory.generic_device_port

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|--|
| id | int(11) | false | GUID of the port. |
| genericDeviceId | int(11) | false | GUID of the generic device. References: <ul style="list-style-type: none">id in dwh_inventory.generic_device |
| wwn | varchar(255) | false | WWN of the port. |
| number | bigint(20) | true | Number of the port in the containing blade |
| portId | varchar(255) | false | Id of the port. |
| name | varchar(255) | true | Name of the port. |
| speed | varchar(12) | true | Speed of the port, in Gbps. |
| url | varchar(255) | true | Url to this port in Insight Server. |
| active | char(1) | false | True if the port is not dead |

dwh_inventory.host

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|---------------------------------------|
| id | int(11) | false | GUID of the host. |
| name | varchar(255) | false | Name of the host. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | IP address of the host. |
| os | varchar(255) | true | Operating system running on the host. |

| Column | Type | Nullable | Description |
|--------------------------|--------------|----------|---|
| model | varchar(255) | true | Model number. |
| manufacturer | varchar(255) | true | Manufacturer of the host. |
| installedMemoryMB | varchar(255) | true | Total amount of memory available on the host, in MB. |
| hostFsFreeGB | varchar(255) | true | Amount of free storage in the host file systems, in GB. |
| hostFsTotalGB | varchar(255) | true | Total amount of storage in the file systems for a host, in GB. |
| hostFsUsedGB | varchar(255) | true | Amount of storage in the file systems that is used for a host, in GB. |
| cpuCount | varchar(255) | true | Number of CPUs running on the host. |
| cpuSpeed | varchar(255) | true | Speed of CPU, in MHz. |
| nicCount | varchar(255) | true | Number of NICs. |
| nicSpeed | varchar(255) | true | Speed of NIC, Mbs. |
| url | varchar(255) | true | Url to this host in Insight Server. |
| active | char(1) | true | Indicates whether the host is currently active. |
| dataCenter | varchar(255) | false | Data_Center annotation value assigned to the Host. |

dwh_inventory.host_adapter

| Column | Type | Nullable | Description |
|---------------|---------|----------|---|
| id | int(11) | false | GUID of the host adapter. |
| hostId | int(11) | false | GUID of the host where this adapter resides. References: |

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| | | | <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.host |
| wwn | varchar(255) | false | WWN of the host adapter. |
| model | varchar(255) | true | Model of the host adapter. |
| manufacturer | varchar(255) | true | Manufacturer of the host adapter. |
| driver | varchar(255) | true | Name of the driver managing access to the host adapter. |
| firmware | varchar(255) | true | Version of the firmware running on the host adapter. |

dwh_inventory.host_port

| Column | Type | Nullable | Description |
|------------------|--------------|----------|---|
| id | int(11) | false | GUID of the host port. |
| adapterId | int(11) | false | GUID of the node (adapter) where this host port resides. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.host_adapter |
| hostId | int(11) | false | GUID of the host where this host port resides. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.host |
| wwn | varchar(255) | false | WWN of the host port. |
| nodeWwn | varchar(255) | false | WWN of the node (adapter) where this port resides. |
| portId | varchar(255) | false | Id of the port. |
| name | varchar(255) | true | Name of the host port. |

| Column | Type | Nullable | Description |
|---------------|--------------|----------|-------------------------------------|
| speed | varchar(12) | true | Speed of the port, in Gbps. |
| url | varchar(255) | true | Url to this port in Insight Server. |
| active | char(1) | false | True if the port is not dead |

dwh_inventory.host_to_application

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| id | int(11) | false | GUID of the relationship between a host and an application. |
| hostId | int(11) | false | GUID of the host. References: <ul style="list-style-type: none"> id in dwh_inventory.host |
| applicationId | int(11) | false | GUID of the application. References: <ul style="list-style-type: none"> id in dwh_inventory.application |
| inherited | char(1) | false | This application is inherited. |

dwh_inventory.hv_data_store

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|--|
| id | int(11) | false | GUID of the datastore. |
| naturalKey | varchar(768) | false | Natural identifier of the datastore. |
| moid | varchar(255) | true | Managed Object ID, assigned to the data store in Virtual Center. |

| Column | Type | Nullable | Description |
|------------------------------|--------------|----------|--|
| name | varchar(512) | false | Name of the datastore. |
| capacityMB | bigint(20) | true | Configured size of the datastore, in MB. |
| provisionedCapacityMB | bigint(20) | true | Amount of storage set-aside for use by the datastore, in MB. |
| virtualCenterIp | varchar(255) | true | IP address of virtual center. |
| freeCapacityMB | bigint(20) | true | [OBSOLETE] Available capacity in the datastore, in MB. |
| usedCapacityMB | bigint(20) | true | Amount of space actually used by the datastore, in MB. |
| url | varchar(255) | true | Url to this data store in Insight Server. |

dwh_inventory.hv_data_store_to_internal_volume

Map VM data-stores to containing NAS internal-volume (1:1).

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|--|
| dataStoreId | int(11) | false | GUID fo the datastore. References: <ul style="list-style-type: none">id in dwh_inventory.hv_data_store |
| storageId | int(11) | false | GUID of the storage. References: <ul style="list-style-type: none">id in dwh_inventory.storage |
| internalVolumeId | int(11) | false | GUID of the internal-volume. References: |

| Column | Type | Nullable | Description |
|---------|---------|----------|---|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.internal_volume |
| qtreeId | int(11) | true | GUID of the qtree. References: <ul style="list-style-type: none"> id in dwh_inventory.qtree |

dwh_inventory.hv_data_store_to_volume

Map VM data-stores to the containing SAN volumes (1:n).

| Column | Type | Nullable | Description |
|-------------|---------|----------|---|
| dataStoreId | int(11) | false | GUID to the datastore. References: <ul style="list-style-type: none"> id in dwh_inventory.hv_data_store |
| storageId | int(11) | false | GUID of the storage. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| qtreeId | int(11) | true | GUID of the qtree. References: <ul style="list-style-type: none"> id in dwh_inventory.qtree |
| volumeId | int(11) | false | GUID of the volume. References: |

| Column | Type | Nullable | Description |
|------------------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.volume |
| <code>repVolume</code> | char(1) | false | True if this volume is the representative of all the volumes in the datastore. |

dwh_inventory.hv_datastore_to_nas_share

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|--|
| <code>id</code> | int(11) | false | GUID of the relationship between a datastore and a hv nas share. |
| <code>dataStoreId</code> | int(11) | true | GUID of the datastore. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.hv_data_store |
| <code>nasShareId</code> | int(11) | true | GUID of the hv nas share. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.hv_nas_share |

dwh_inventory.hv_host_to_nas_share

| Column | Type | Nullable | Description |
|---------------------|---------|----------|---|
| <code>id</code> | int(11) | false | GUID of the relationship between a host to a nas share. |
| <code>hostId</code> | int(11) | true | GUID of the host. References: |

| Column | Type | Nullable | Description |
|-------------------|------------|----------|--|
| | | | <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.host |
| nasShareId | int(11) | true | GUID of the nas share (hv_nas_share). References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.hv_nas_share |
| readOnly | tinyint(4) | true | Indicates whether the host has read-only access to the nas share. |

dwh_inventory.hv_lun

| Column | Type | Nullable | Description |
|--------------------|--------------|----------|---|
| id | int(11) | false | GUID of the lun. |
| hostId | int(11) | true | GUID of the host. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.host |
| dataStoreId | int(11) | true | GUID of the datastore using this LUN. Is set to NULL for RDM VMDKs. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.hv_data_store |
| naturalKey | varchar(768) | false | Natural identifier of the lun. |
| number | varchar(255) | true | Logical Unit Number (lun). |
| tid | bigint(20) | true | Target SCSI id. |

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|--|
| policy | varchar(255) | true | SAN active path selection policy (MRU, FIXED or RR). |
| diskName | varchar(255) | true | Disk name for the lun. |
| volumeUuid | varchar(255) | true | UUID of the volume. |

dwh_inventory.hv_lun_to_volume

Map HV lun to a SAN volume

| Column | Type | Nullable | Description |
|------------------|---------|----------|---|
| id | int(11) | false | GUID of the relationship between a hv lun to a volume. |
| hostId | int(11) | false | GUID of the host on which the hv lun resides. References: <ul style="list-style-type: none">• id in dwh_inventory.host |
| hvLunId | int(11) | false | GUID of the lun. References: <ul style="list-style-type: none">• id in dwh_inventory.hv_lun |
| storageId | int(11) | false | GUID of the storage array on which the volume resides. References: <ul style="list-style-type: none">• id in dwh_inventory.storage |
| volumeId | int(11) | false | GUID of the volume. References: <ul style="list-style-type: none">• id in dwh_inventory.volume |

| Column | Type | Nullable | Description |
|-------------|--------------------------------|----------|---------------------------------------|
| type | enum('FC', 'ISCSI', 'GENERIC') | false | Type of the volume access technology. |

dwh_inventory.hv_nas_share

| Column | Type | Nullable | Description |
|--------------------|--------------|----------|---|
| id | int(11) | false | GUID of the NAS share. |
| dataStoreId | int(11) | true | [Deprecated] GUID of the datastore. References: <ul style="list-style-type: none"> id in dwh_inventory.hv_data_store |
| naturalKey | varchar(768) | false | Natural identifier of the NAS share. |
| filerName | varchar(255) | true | Name of filer for the nas share. |
| filerIp | varchar(255) | true | IP address of the filer for the nas share. |
| sharePath | varchar(512) | true | Path in the logical disk to which this share refers. |
| capacityMB | int(11) | true | Capacity on the share that is visible to hosts, in MB. |
| type | varchar(10) | true | The protocol used for the nas share (e.g., NFS or CIFS). |

dwh_inventory.hv_nas_share_to_share

| Column | Type | Nullable | Description |
|-------------------|---------|----------|--|
| id | int(11) | false | GUID of the relationship between a NAS share to a share. |
| nasShareId | int(11) | false | GUID of NAS share. References: |

| Column | Type | Nullable | Description |
|-----------|---------|----------|--|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.hv_nas_share |
| storageId | int(11) | false | GUID of the storage array (filer) on which the share resides. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| shareId | int(11) | false | GUID of share. References: <ul style="list-style-type: none"> id in dwh_inventory.nas_share |

dwh_inventory.hv_path

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|--|
| id | int(11) | false | GUID of a path from a host to a lun. |
| lunId | int(11) | true | GUID of the lun. References: <ul style="list-style-type: none"> id in dwh_inventory.hv_lun |
| hostId | int(11) | true | GUID of the host. References: <ul style="list-style-type: none"> id in dwh_inventory.host |
| hostPortWwpn | varchar(255) | true | WWN of the host port used by the path. |
| storagePortWwpn | varchar(255) | true | WWN of the storage port used by the path. |

| Column | Type | Nullable | Description |
|---------------|--------------------------------|----------|--|
| type | enum('FC', 'ISCSI', 'UNKNOWN') | false | Path type (FC, ISCSI or UNKNOWN). |
| active | tinyint(4) | true | Indicates whether this path is active. |

dwh_inventory.hv_server

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|--|
| id | int(11) | false | GUID of the ESX server. |
| hostId | int(11) | true | GUID of the host. References: <ul style="list-style-type: none"> id in dwh_inventory.host |
| naturalKey | varchar(768) | false | Natural identifier of the ESX server. |
| moid | varchar(255) | true | Managed Object ID, assigned to the server in Virtual Center. |
| virtualCenterIp | varchar(255) | true | IP address of virtual center. |
| clusterName | varchar(255) | true | Name of a cluster of hosts sharing access to the same SAN volumes or NAS share, or blank for a standalone host. |
| dataCenterName | varchar(255) | true | Name of data center. |

dwh_inventory.hv_virtual_disk

| Column | Type | Nullable | Description |
|-----------------------------------|--------------|----------|---|
| id | int(11) | false | GUID of the virtual disk. |
| dataStoreId | int(11) | true | GUID of the datastore for the virtual disk. References: <ul style="list-style-type: none"> • id in dwh_inventory.hv_data_store |
| lunId | int(11) | true | RDM VMDK only, GUID of the lun associated with the virtual disk. References: <ul style="list-style-type: none"> • id in dwh_inventory.hv_lun |
| naturalKey | varchar(768) | false | Natural identifier of the virtual disk. |
| name | varchar(255) | false | Name of the virtual disk. |
| type | varchar(255) | true | Type of the virtual disk. |
| capacityMB | bigint(20) | true | Capacity of the virtual disk, in MB. |
| usedCapacityMB | bigint(20) | true | Capacity consumed from the data-store, as reported by device, in MB. |
| usedCapacityForReportingMB | bigint(20) | true | Capacity consumed from the data-store, may be smaller than capacityMB for thin-provisioned VMDKs, in MB. |
| url | varchar(255) | true | Url to this virtual disk in Insight Server. |

dwh_inventory.hv_virtual_disk_to_volume

Map VM RDM virtual-disks (VMDK) to a SAN volume (1:1).

| Column | Type | Nullable | Description |
|----------------------|---------|----------|--|
| virtualDiskId | int(11) | false | GUID of the virtual disk. References: <ul style="list-style-type: none">• id in dwh_inventory.hv_virtual_disk |
| storageId | int(11) | false | GUID of the storage. References: <ul style="list-style-type: none">• id in dwh_inventory.storage |
| qtreeId | int(11) | true | GUID of the qtree. References: <ul style="list-style-type: none">• id in dwh_inventory.qtree |
| volumeId | int(11) | false | GUID of the volume. References: <ul style="list-style-type: none">• id in dwh_inventory.volume |

dwh_inventory.hv_virtual_machine

| Column | Type | Nullable | Description |
|---------------|---------|----------|---|
| id | int(11) | false | GUID of the virtual machine. |
| hostId | int(11) | true | GUID of host owning the virtual machine. References: |

| Column | Type | Nullabl e | Description |
|----------------------------------|---|--------------|--|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.host |
| moid | varchar(255) | true | Managed Object ID, assigned to the virtual machine in Virtual Center. |
| name | varchar(255) | true | Name of the virtual machine. |
| dnsName | varchar(255) | true | Fully qualified domain name of the virtual machine. |
| ips | varchar(4096) | true | Comma separated list of IP addresses of the virtual machine. |
| powerState | enum('poweredOf f', 'poweredOn', 'suspended') | false | Power state of the virtual machine combined with the state of the guest OS |
| powerStateChangeTim e | datetime | true | Time when the power state has changed to the current value. |
| guestState | enum('notRunning', 'resetting', 'running', 'shuttingDown', 'standby', 'unknown') | false | The combined state of the virtual hardware of the virtual machine and of the guest OS. |
| os | varchar(255) | true | Guest operating system. |
| processors | int(11) | true | Number of processors of the virtual machine. |
| memory | bigint(20) | true | Memory of the virtual machine, in MB. |
| dataStoreId | int(11) | true | GUID of the datastore used by the virtual machine for storing its metadata (logs, |

| Column | Type | Nullable | Description |
|------------------------------|--------------|----------|---|
| | | | snapshots, memory files etc.). References: <ul style="list-style-type: none"> id in dwh_inventory.hv_data_store |
| naturalKey | varchar(255) | true | Natural identifier of the virtual machine. |
| virtualCenterIp | varchar(255) | true | IP address of virtual center. |
| provisionedCapacityMB | bigint(20) | true | Amount of storage provisioned to the virtual machine, in MB. |
| usedCapacityMB | bigint(20) | true | Amount of space actually used by the virtual machine, in MB. |
| url | varchar(255) | true | Url to this virtual machine in Insight Server. |

[dwh_inventory.hv_virtual_machine_to_disk](#)

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|---|
| id | int(11) | false | GUID of the relationship between a virtual machine and a virtual disk. |
| virtualMachineId | int(11) | true | GUID of the virtual machine id. References: <ul style="list-style-type: none"> id in dwh_inventory.hv_virtual_machine |
| virtualDiskId | int(11) | true | GUID of the virtual disk. References: |

| Column | Type | Nullable | Description |
|--------|------|----------|---|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.hv_virtual_disk |

dwh_inventory.internal_volume

Internal-volume (e.g. Trad/Flex Volume in NetApp)

| Column | Type | Nullable | Description |
|---------------|--------------|----------|---|
| id | int(11) | false | GUID of the internal-volume. |
| storagePoolId | int(11) | false | GUID of the storage pool. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_pool |
| storageId | int(11) | false | GUID of the storage array (filer). References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| identifier | varchar(768) | false | Unique identifier of the internal volume in the storage. |
| name | varchar(255) | false | The name of the internal-volume. uniquely identifies the internal-volume in the storage. |
| type | varchar(255) | false | Type of the internal-volume (e.g. flexVol, traditional etc.). |

| Column | Type | Nullable | Description |
|----------------------------------|---|----------|---|
| thinProvisioningSupported | char(1) | false | Whether this internal-volume supports thin provisioning for the volume layer on top of it. |
| thinProvisioned | char(1) | false | Whether this internal-volume is thin provisioned. default false. |
| spaceGuarantee | enum('FILE', 'PARTIAL', 'VOLUME', 'NONE') | true | Space Guarantee policy |
| dedupeEnabled | char(1) | false | Is dedupe enabled on the internal volume. default false. |
| cloneSourceId | int(11) | true | <p>If this internal-volume is a clone of another internal-volume - the id of cloned internal-volume. Null otherwise.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.internal_volume |
| snapshotCount | int(11) | true | Number of snapshots on the internal-volumes. |
| lastSnapshotTime | datetime | true | Time of the last snapshot |
| lastKnownAccessTime | datetime | true | Time of the last access to the internal-volume. |
| status | varchar(255) | false | Status of the internal-volume (e.g offline online ...) |
| virtualStorage | varchar(255) | true | Specifies VirtualStorage(e.g.vFiler) |

| Column | Type | Nullable | Description |
|--------------------------------------|------------------------------------|----------|--|
| protectionType | varchar(255) | true | Specifies the protection type for the internal volume (e.g. SnapMirror, SnapVault ...). |
| flashPoolEligibility | enum('READ', 'READ-WRITE', 'NONE') | true | Indicates whether the internal volume can use flash pool. |
| dedupeRatio | float | true | Ratio of dedupe compression. Value between 0 and 1. |
| totalAllocatedCapacityMB | bigint(20) | false | Capacity allocated for an internal-volume as reported by the storage-array in MB. Includes capacity allocated for snapshots. Equals to: snapshotAllocatedCapacityMB + dataAllocatedCapacityMB + otherAllocatedCapacityMB |
| totalUsedCapacityMB | bigint(20) | false | Capacity consumed by internal-volume from storage pool. |
| totalUsedCapacityFromDeviceMB | bigint(20) | true | Capacity used in an internal-volume as reported by the storage-array in MB. Includes capacity used for snapshots. Equals to: snapshotUsedCapacityMB + dataUsedCapacityMB |
| dataAllocatedCapacityMB | bigint(20) | true | Capacity allocated for an internal-volume as reported by the storage-array in MB. Does not include capacity allocated for snapshots. |
| dataUsedCapacityMB | bigint(20) | true | Capacity used in an internal-volume as reported by the storage-array in MB. |

| Column | Type | Nullable | Description |
|------------------------------------|------------|----------|---|
| | | | Does not include capacity used for snapshots. |
| snapshotAllocatedCapacityMB | bigint(20) | true | Capacity allocated for internal-volume snapshots in MB. |
| snapshotUsedCapacityMB | bigint(20) | true | Capacity used for internal-volume snapshots in MB. |
| rawToUsableRatio | float | false | The ratio between disk raw capacity and usable capacity for the internal-volume. Affected by the RAID level and other overheads. |
| otherUsedCapacityMB | bigint(20) | true | Additional overhead that has not been included in Data/Snapshot Used Capacity for the internal-volume. totalUsedCapacityMB = dataUsedCapacityMB + snapShotUsedCapacityMB + otherUsedCapacityMB. |
| otherAllocatedCapacityMB | bigint(20) | true | Additional overhead that has not been included in Data/Snapshot Allocated Capacity for the internal-volume. totalAllocatedCapacityMB = dataAllocatedCapacityMB + snapShotAllocatedCapacityMB + otherAllocatedCapacityMB. |
| totalCloneSavedCapacityMB | bigint(20) | true | Capacity which the clone internal-volume shares with its source internal-volume |
| compressionEnabled | char(1) | false | Is compression enabled on the internal volume. |

| Column | Type | Nullable | Description |
|-------------------------|-------------------|----------|--|
| compressionRatio | float | true | Ratio of compression savings. Value between 0 and 1. |
| uuid | varchar(255)) | true | UUID of the internal volume. |
| url | varchar(255)) | true | Url to this internal-volume in Insight Server. |

dwh_inventory.internal_volume_to_application

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|---|
| id | int(11) | false | GUID of the relationship between an internal volume and an application. |
| applicationId | int(11) | false | GUID of the application. References: <ul style="list-style-type: none"> id in dwh_inventory.application |
| internalVolumeId | int(11) | false | GUID of the internal volume. References: <ul style="list-style-type: none"> id in dwh_inventory.internal_volume |
| inherited | char(1) | false | This application is inherited. |

dwh_inventory.iscsi_logical

Represents a scsi logical path between a host and a volume.

| Column | Type | Nullable | Description |
|----------------------------|---------|----------|--|
| id | int(11) | false | GUID of the iscsi logical path. |
| hostId | int(11) | false | GUID of the initiator host of the iscsi logical path. References: <ul style="list-style-type: none"> id in dwh_inventory.host |
| storageId | int(11) | false | GUID of the target storage of the iscsi logical path. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| volumeId | int(11) | false | GUID of the target volume of the iscsi logical path. References: <ul style="list-style-type: none"> id in dwh_inventory.volume |
| numberOfSessions | int(11) | false | The number of sessions established in iscsi logical path. |
| numberOfConnections | int(11) | false | The number of connections established in iscsi logical path. |

[dwh_inventory.license_details](#)

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|-------------------------------|
| id | int(11) | false | GUID of the license entry. |
| siteName | varchar(255) | false | name of the Insight Server. |
| url | varchar(255) | true | Url to this Insight Server. |
| protocolCodeName | varchar(255) | false | Code of the license protocol. |

| Column | Type | Nullable | Description |
|--------------------------------|--------------|----------|---|
| protocolCodeDisplayName | varchar(255) | false | Name of the license protocol. |
| licenseKey | varchar(255) | false | License key. |
| generationDate | datetime | true | Generation date of the license protocol. |
| expirationDate | datetime | true | Expiration date of the license protocol. |
| serialNumber | varchar(255) | true | Serial number of the license. |
| quantity | bigint(20) | true | Allocated quantity of the license protocol. |
| actualQuantity | bigint(20) | true | Actual quantity of the license protocol reported by Insight server. |
| unit | varchar(25) | true | unit type of the license protocol. |
| hasApi | char(1) | true | 1 indicates if it has API. |
| active | char(1) | false | 1 indicates if this license protocol is active. |

dwh_inventory.logical

Represents a logical path between a host and a volume.

| Column | Type | Nullable | Description |
|------------------------|---------|----------|--|
| id | int(11) | false | GUID of the logical path. |
| hostId | int(11) | true | GUID of the initiator host of the logical path - is set to null for paths from generic-devices. References: <ul style="list-style-type: none"> id in dwh_inventory.host |
| genericDeviceId | int(11) | true | GUID of the generic-device which is the initiator of the logical path - is set to null for paths from |

| Column | Type | Nullable | Description |
|-----------------------------|--------------|----------|---|
| | | | <p>hosts.</p> <p>References:</p> <ul style="list-style-type: none"> • <code>id</code> in dwh_inventory.generic_device |
| storageId | int(11) | true | <p>GUID of the target storage of the logical path - is set to null for paths to tapes.</p> <p>References:</p> <ul style="list-style-type: none"> • <code>id</code> in dwh_inventory.storage |
| tapeId | int(11) | true | <p>GUID of the target tape of the logical path - is set to null for paths to storage-arrays.</p> <p>References:</p> <ul style="list-style-type: none"> • <code>id</code> in dwh_inventory.tape |
| volumeId | int(11) | true | <p>GUID of the target volume of the logical path - is set to null for paths to tapes.</p> <p>References:</p> <ul style="list-style-type: none"> • <code>id</code> in dwh_inventory.volume |
| minHopNumber | int(11) | true | Minimal switch hops for the logical path. |
| hopsToDisplay | varchar(255) | true | Comma separated list of switch hop counts corresponding to the different underlying paths for this logical path. |
| numberOfFabrics | int(11) | true | Number of fabrics utilized by the logical path. |
| numberOfHostPorts | int(11) | true | Number of host ports used by the logical path. |
| numberOfStoragePorts | int(11) | true | Number of storage ports used by the logical path. |

| Column | Type | Nullable | Description |
|------------|------------|----------|---|
| spf | tinyint(4) | true | Indicates whether the logical path has a single point of failure. |

dwh_inventory.nas_cr_logical

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|--|
| id | int(11) | false | GUID of the NAS logical path. |
| computeResourceId | int(11) | false | GUID of the host accessing the file-share. References: <ul style="list-style-type: none">id in dwh_inventory.compute_resource |
| storageId | int(11) | false | GUID of the storage array (filer) being accessed. References: <ul style="list-style-type: none">id in dwh_inventory.storage |
| internalVolumeId | int(11) | false | GUID of the internal volume being accessed. References: <ul style="list-style-type: none">id in dwh_inventory.internal_volume |
| shareId | int(11) | true | GUID of the share being accessed. References: <ul style="list-style-type: none">id in dwh_inventory.nas_share |

dwh_inventory.nas_file_share

A shared folder in NAS storage arrays (filers)

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|--|
| id | int(11) | false | GUID for the file share. |
| internalVolumeId | int(11) | false | GUID of the internal-volume on which this file share is defined. References: <ul style="list-style-type: none"> • id in dwh_inventory.internal_volume |
| storageId | int(11) | false | GUID of the storage array (filer) in which this share is defined. References: <ul style="list-style-type: none"> • id in dwh_inventory.storage |
| qtreeId | int(11) | true | GUID of the qtree on which this file share is defined. References: <ul style="list-style-type: none"> • id in dwh_inventory.qtree |
| name | varchar(255) | false | Name of the file share. |
| path | varchar(255) | false | The full path in the internal-volume to the folder being shared, ends with the share name. |
| status | varchar(255) | false | Status of the file share (snapvaulted, snapmirrored, normal, or readonly). |
| securityType | varchar(255) | false | Security type of the file share (unix, ntfs, or mixed). |

[dwh_inventory.nas_logical](#)

| Column | Type | Nullable | Description |
|-----------|---------|----------|-------------------------------|
| id | int(11) | false | GUID of the NAS logical path. |

| Column | Type | Nullable | Description |
|------------------|---------|----------|--|
| hostId | int(11) | true | The Host ID. References: <ul style="list-style-type: none">• id in dwh_inventory.host |
| storageId | int(11) | false | GUID of the storage array (filer) being accessed. References: <ul style="list-style-type: none">• id in dwh_inventory.storage |
| shareId | int(11) | true | GUID of the share being accessed. References: <ul style="list-style-type: none">• id in dwh_inventory.nas_share |

[dwh_inventory.nas_share](#)

| Column | Type | Nullable | Description |
|--------------------|---------|----------|---|
| id | int(11) | false | GUID of the share. |
| fileShareId | int(11) | false | GUID of the file share with which this share is associated. References: <ul style="list-style-type: none">• id in dwh_inventory.nas_file_share |
| storageId | int(11) | false | GUID of the storage array (filer) in which this share is defined. References: <ul style="list-style-type: none">• id in dwh_inventory.storage |

| Column | Type | Nullable | Description |
|---------------------|---------------------|----------|--|
| identifier | varchar(768) | false | Identifier of the share in the storage. |
| name | varchar(255) | false | Name of the share. |
| protocol | enum('CIFS', 'NFS') | false | Protocol used to access the share, one of: CIFS or NFS. |
| ipInterfaces | text | false | All IP addresses of the storage on which the share is located. |

dwh_inventory.nas_share_initiator

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|---|
| id | int(11) | false | GUID of the share_initiator. |
| shareId | int(11) | false | GUID of the share with which this share_initiator is associated. References: <ul style="list-style-type: none"> id in dwh_inventory.nas_share |
| storageId | int(11) | false | GUID of the storage array (filer) in which this share is defined. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| initiator | varchar(255) | false | IP address or name subnet of the host/s allowed to access the share. |
| permission | varchar(255) | false | Read / write / execute, and name. |

dwh_inventory.object_to_annotation

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|---|
| annotationValueId | int(11) | false | <p>GUID of the annotation value.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.annotation_value |
| objectId | int(11) | false | <p>GUID of the annotated object.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.storage id in dwh_inventory.hv_virtual_machine id in dwh_inventory.hv_virtual_disk id in dwh_inventory.tape id in dwh_inventory.switch id in dwh_inventory.generic_device id in dwh_inventory.host id in dwh_inventory.hv_data_store id in dwh_inventory.application id in dwh_inventory.switch_port id in dwh_inventory.internal_volume id in dwh_inventory.nas_share id in dwh_inventory.volume id in dwh_inventory.qtree id in dwh_inventory.acq_data_source id in dwh_inventory.disk id in dwh_inventory.storage_node id in dwh_inventory.storage_port id in dwh_inventory.storage_pool id in dwh_inventory.host_port id in dwh_inventory.quota |

| Column | Type | Nullable | Description |
|-----------------------|--|----------|---|
| | | | <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.disk_group |
| objectType | enum('Application', 'DataSource', 'Disk', 'DiskGroup', 'HV_DataStore', 'HV_VirtualDisk', 'HV_VirtualMachine', 'Host', 'InternalVolume', 'Port', 'Qtree', 'Quota', 'Share', 'Storage', 'StorageNode', 'StoragePool', 'Switch', 'Tape', 'Unknown', 'Volume') | false | Type of the annotated object. |
| annotationType | varchar(255) | false | Type of the annotation. |

[dwh_inventory.physical_path](#)

A path between host port through a storage port to a volume.

| Column | Type | Nullable | Description |
|---------------|---------|----------|---|
| id | int(11) | false | GUID of the physical path. |
| hostId | int(11) | true | GUID of the host which initiates the physical path. It is null for a path from a generic-device. References: |

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|---|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.host |
| genericDeviceId | int(11) | true | <p>GUID of the generic-device which initiates the physical path. It is null for a path from a host.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.generic_device |
| storageId | int(11) | true | <p>GUID of the target storage of the physical path. It is null for a path to a tape.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.storage |
| tapeId | int(11) | true | <p>GUID of the target tape of the physical path. It is null for a path to a storage.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.tape |
| volumeId | int(11) | true | <p>GUID of the target volume of the physical path.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.volume |
| hostPortWwn | varchar(255) | false | WWN of the host port. |
| storagePortWwn | varchar(255) | false | WWN of the storage port. |
| lun | varchar(255) | false | Logical Unit Number (LUN) used by the host to access the volume. |

dwh_inventory.port_connectivity

| Column | Type | Nullabl e | Description |
|--------------------|--|--------------|---|
| id | int(11) | false | GUID of the port connectivity. |
| portId | int(11) | false | GUID of the first port. References: <ul style="list-style-type: none">• id in dwh_inventory.storage_port• id in dwh_inventory.switch_port• id in dwh_inventory.tape_port• id in dwh_inventory.host_port• id in dwh_inventory.generic_device_port |
| type | enum('HOST_PORT', 'STORAGE_PORT', 'TAPE_PORT', 'SWITCH_PORT', 'GENERIC_DEVICE_PO RT') | false | Type of the first port. |
| wwn | varchar(255) | false | WWN of the first port. |
| connectedId | int(11) | false | GUID of the second port. References: <ul style="list-style-type: none">• id in dwh_inventory.storage_port• id in dwh_inventory.switch_port• id in dwh_inventory.tape_port• id in dwh_inventory.host_port• id in dwh_inventory.generic_device_port |

| Column | Type | Nullable | Description |
|----------------------|--|----------|--------------------------|
| connectedType | enum('HOST_PORT', 'STORAGE_PORT', 'TAPE_PORT', 'SWITCH_PORT', 'GENERIC_DEVICE_PORT') | false | Type of the second port. |
| connectedWwn | varchar(255) | false | WWN of the second port. |

dwh_inventory.qtree

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|---|
| id | int(11) | false | GUID of the qtree. |
| internalVolumeId | int(11) | false | GUID of the internal-volume on which the qtree resides. References: <ul style="list-style-type: none"> id in dwh_inventory.internal_volume |
| storageId | int(11) | false | GUID of the storage array (filer). References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| identifier | varchar(768) | false | Unique identifier of the qtree in the storage. |
| name | varchar(255) | false | The name of the qtree. |

| Column | Type | Nullable | Description |
|---------------------------------|-------------------------------|----------|--|
| quotaHardCapacityLimitMB | bigint(20) | true | The disk space limit imposed on this qtree by a quota. When exceeded, data cannot be written. |
| quotaSoftCapacityLimitMB | bigint(20) | true | The disk space limit imposed on this qtree by a quota. When exceeded, a warning is issued but data can still be written. |
| quotaUsedCapacityMB | bigint(20) | true | Capacity used towards the hard and soft capacity limit set on the quota. |
| type | enum('DEFAULT', 'EXPLICIT') | false | Type of the qtree. |
| securityStyle | enum('UNIX', 'NTFS', 'MIXED') | true | Security Style of the qtree. |
| status | varchar(255) | true | Status of the qtree. |
| oplocks | char(1) | false | Whether oplocks are enabled on the qtree. |
| url | varchar(255) | true | Url to this qtree in Insight Server. |

dwh_inventory.qtree_to_application

| Column | Type | Nullable | Description |
|----------------------|---------|----------|--|
| id | int(11) | false | GUID of the relationship between a qtree and an application. |
| applicationId | int(11) | false | GUID of the application. References: <ul style="list-style-type: none"> id in dwh_inventory.application |

| Column | Type | Nullable | Description |
|------------------|---------|----------|--|
| qtreeId | int(11) | false | GUID of the qtree. References: <ul style="list-style-type: none"> • id in dwh_inventory.qtree |
| inherited | char(1) | false | This application is inherited. |

dwh_inventory.quota

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|---|
| id | int(11) | false | GUID of the quota. |
| internalVolumeId | int(11) | false | GUID of the internal-volume on which this quota is defined. References: <ul style="list-style-type: none"> • id in dwh_inventory.internal volume |
| storageId | int(11) | false | GUID of the storage array (filer) in which this quota is defined. References: <ul style="list-style-type: none"> • id in dwh_inventory.storage |
| qtreeId | int(11) | true | GUID of the qtree on which this quota is defined. References: <ul style="list-style-type: none"> • id in dwh_inventory.qtree |
| identifier | varchar(768) | false | Unique identifier of the quota. |

| Column | Type | Nullable | Description |
|----------------------------|-------------------------------|----------|---|
| targetUser | varchar(255) | true | Specifies a group or user to which this quota applies. |
| type | enum('TREE', 'GROUP', 'USER') | false | Specifies the target type (tree, group or user) to which this quota applies. |
| hardFileLimit | bigint(20) | true | Hard limit on the number of files that this quota imposes on the tree, group or user. |
| softFileLimit | bigint(20) | true | Soft quota file limit that, if exceeded, issues warnings, rather than rejecting file creation requests. |
| hardCapacityLimitMB | bigint(20) | true | Hard disk space limit, in MB, that this quota imposes on the tree, group, user or type. |
| softCapacityLimitMB | bigint(20) | true | Soft quota space limit, in MB, that if exceeded, issues warnings rather than rejecting space requests. |
| thresholdMB | bigint(20) | true | Disk space usage point, in MB, at which warnings of approaching quota limits are issued. |
| usedFiles | bigint(20) | true | Number of files currently used by the target of this quota. |
| usedCapacityMB | bigint(20) | true | Disk space, in MB, currently used by the target of this quota. |

dwh_inventory.service_level

| Column | Type | Nullable | Description |
|-----------|---------|----------|--------------------------|
| id | int(11) | false | GUID for the annotation. |

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|---|
| name | varchar(255) | false | Value of the annotation. |
| sequence | int(11) | true | Sequence number determining the order of enumeration values. This is used primarily for display purposes. |
| cost | double | true | Optional cost associated with the annotation. Applicable for Tier annotation. |

dwh_inventory.share_to_application

| Column | Type | Nullable | Description |
|----------------------|---------|----------|--|
| id | int(11) | false | GUID of the relationship between a share and an application. |
| applicationId | int(11) | false | GUID of the application. References: <ul style="list-style-type: none"> id in dwh_inventory.application |
| shareId | int(11) | false | GUID of the share. References: <ul style="list-style-type: none"> id in dwh_inventory.nas_share |
| inherited | char(1) | false | This application is inherited. |

dwh_inventory.storage

| Column | Type | Nullable | Description |
|-------------|--------------|----------|----------------------------|
| id | int(11) | false | GUID of the storage array. |
| name | varchar(255) | false | Name of the storage array. |

| Column | Type | Nullable | Description |
|----------------------------|--------------|----------|--|
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | IP address of the storage array. |
| model | varchar(255) | true | Model of the storage array. |
| manufacturer | varchar(255) | true | Manufacturer of the storage array. |
| serialNumber | varchar(255) | true | Serial number for the storage array. |
| microcodeVersion | varchar(255) | true | Version of the firmware running on the storage array. |
| rawCapacityMB | bigint(20) | true | Actual raw disk capacity for the storage array in MB. |
| spareRawCapacityMB | bigint(20) | true | Sum of all spare disk raw capacity in the storage array in MB. |
| failedRawCapacityMB | bigint(20) | true | Sum of all failed raw capacity in the storage array in MB. |
| memoryMB | bigint(20) | true | Size of memory installed in the array (filer), in MB. |
| cpuCount | int(11) | true | Number of cpus installed in the array (filer). |
| manageURL | varchar(255) | true | URL to the management software of the device. |
| family | varchar(255) | true | Storage family name, could be Clariion, Symmetrix etc. |
| isVirtual | char(1) | true | Determines if the array is a virtualizer. |
| cluster | char(1) | true | Determines if the array is a NetApp C-Mode cluster. |
| url | varchar(255) | true | Url to this storage in Insight Server. |
| lastAcquiredTime | datetime | true | Specifies the last acquired time. |

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|--|
| active | char(1) | true | Indicates whether the storage array is currently active. |
| dataCenter | varchar(255) | false | Data_Center annotation value assigned to the Storage. |

dwh_inventory.storage_controller

| Column | Type | Nullable | Description |
|----------------------|--------------|----------|--|
| id | int(11) | false | GUID of the storage controller. |
| storageId | int(11) | false | GUID of the storage where this controller resides. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| wwn | varchar(255) | false | WWN of the storage controller (node wwn). |
| model | varchar(255) | true | Model of the storage controller. |
| manufacturer | varchar(255) | true | Manufacturer of the storage controller. |
| driver | varchar(255) | true | Name of the driver managing access to the storage controller. |
| firmware | varchar(255) | true | Version of the firmware running on the storage controller. |
| numberOfPorts | varchar(255) | true | Number of ports on the storage controller. |

dwh_inventory.storage_node

| Column | Type | Nullable | Description |
|-----------|---------|----------|--------------------------|
| id | int(11) | false | GUID of the storage node |

| Column | Type | Nullable | Description |
|---------------------------|--------------|----------|--|
| storageId | int(11) | false | GUID of the storage array (filer). References: <ul style="list-style-type: none">• id in dwh_inventory.storage |
| name | varchar(255) | false | name of the storage node. |
| identifier | varchar(768) | false | uuid of the storage node. |
| version | varchar(255) | true | version of the storage node. |
| model | varchar(255) | true | model of the storage node. |
| serialNumber | varchar(255) | true | serialNumber of the storage node. |
| state | varchar(255) | true | state of the storage node. |
| partnerNodeId | int(11) | true | GUID of the partner node. References: <ul style="list-style-type: none">• id in dwh_inventory.storage_node |
| memorySizeMB | bigint(20) | true | memory size of this storage node. |
| cacheSizeMB | bigint(20) | true | cache size of this storage node. |
| numberOfProcessors | int(11) | true | number of processors of this storage node |
| url | varchar(255) | true | Url to this storage node in Insight Server. |

[dwh_inventory.storage_node_to_internal_volume](#)

Lists the internal volumes used by a storage node.

| Column | Type | Nullable | Description |
|------------------|---------|----------|---|
| storageId | int(11) | false | GUID of the storage array. References: |

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.storage |
| storageNodeId | int(11) | false | GUID of the storage node. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_node |
| internalVolumeId | int(11) | false | GUID of the internal volume. References: <ul style="list-style-type: none"> id in dwh_inventory.internal_volume |

[dwh_inventory.storage_node_to_port](#)

Lists the ports used by a storage node.

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| storageId | int(11) | false | GUID of the storage array. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| storageNodeId | int(11) | false | GUID of the storage node. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_node |
| portId | int(11) | false | GUID of the port. References: |

| Column | Type | Nullable | Description |
|--------|------|----------|--|
| | | | <ul style="list-style-type: none"> id in dwh_inventory.storage_port |

dwh_inventory.storage_node_to_storage_pool

Lists the storage pools used by a storage node.

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| storageId | int(11) | false | GUID of the storage array. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| storageNodeId | int(11) | false | GUID of the storage node. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_node |
| storagePoolId | int(11) | false | GUID of the storage pool. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_pool |

dwh_inventory.storage_node_to_volume

Lists the volumes used by a storage node.

| Column | Type | Nullable | Description |
|------------------|---------|----------|---|
| storageId | int(11) | false | GUID of the storage array. References: |

| Column | Type | Nullable | Description |
|----------------------|---------|----------|--|
| | | | <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.storage |
| storageNodeId | int(11) | false | GUID of the storage node. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.storage_node |
| volumeId | int(11) | false | GUID of the volume. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.volume |

dwh_inventory.storage_pool

Storage Pool

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|--|
| id | int(11) | false | GUID of the Storage Pool. |
| storageId | int(11) | false | GUID of the storage array (filer). References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.storage |
| identifier | varchar(768) | false | Identifier of the device. |
| type | varchar(255) | false | Real-life entity type that the storage pool describes. |

| Column | Type | Nullabl e | Description |
|------------------------------------|------------------|--------------|--|
| name | varchar(255) | false | Name of the storage pool. |
| thinProvisioningSupported | char(1) | false | Whether this storage-pool supports thin provisioning for the volume layer on top of it. default false. |
| includeInDwhCapacity | char(1) | false | Detemines if the storage_pool will appear in the storage-pool dimension of the capacity datamart. default false. |
| isVirtual | char(1) | false | Indicates the storage_pool is consists of backend LUNs. |
| raidGroup | char(1) | false | Indicates if the storage_pool is a raidGroup. |
| vendorTier | varchar(255) | true | Vendor-specific tier name. |
| autoTiering | char(1) | false | Indicate whether this storage pool is participating in auto tiering with other pools. |
| usesFlashPools | char(1) | false | Indicates whether this storage pool uses flash pools. |
| redundancy | varchar(255) | true | The redundancy level of the storage_pool. |
| status | varchar(255) | true | Status of the storage_pool (e.g offline online ...). |
| snapshotAllocatedCapacityMB | bigint(20) | true | Capacity allocated for storage-pool level snapshots in MB. |
| snapshotUsedCapacityMB | bigint(20) | true | Capacity used for storage-pool level snapshots in MB. |

| Column | Type | Nullabl e | Description |
|---------------------------------|------------|--------------|---|
| dataAllocatedCapacityMB | bigint(20) | true | Capacity allocated for a storage-pool as reported by the storage-array in MB. Does not include capacity allocated for storage-pool level snapshots. |
| dataUsedCapacityMB | bigint(20) | true | Capacity used in a storage-pool as reported by the storage-array in MB. Does not include capacity used for storage-pool level snapshots. |
| totalAllocatedCapacityMB | bigint(20) | false | Capacity allocated for a storage-pool as reported by the storage-array in MB. Includes capacity allocated for storage-pool level snapshots. Equals to: snapshotAllocatedCapacityMB + dataAllocatedCapacityMB + otherAllocatedCapacityMB |
| totalUsedCapacityMB | bigint(20) | true | Capacity used in a storage-pool as reported by the storage-array in MB. Includes capacity used for storage-pool level snapshots. Equals to: snapshotUsedCapacityMB + dataUsedCapacityMB + otherUsedCapacityMB |
| rawToUsableRatio | float | false | The ratio between disk raw capacity and usable capacity for the storage-pool. Affected by the RAID level and other overheads. |
| reservedCapacityMB | bigint(20) | true | Unused storage-pool capacity that is reserved for volumes in MB. This |

| Column | Type | Nullabl e | Description |
|---------------------------------|------------|--------------|--|
| | | | capacity is included in the dataAllocatedCapacityMB capacity. |
| otherUsedCapacityMB | bigint(20) | true | Additional overhead that has not been included in Data/Snapshot Used Capacity for the storage-pool. totalUsedCapacityMB = dataUsedCapacityMB + snapShotUsedCapacityMB + otherUsedCapacityMB. |
| otherAllocatedCapacityMB | bigint(20) | true | Additional overhead that has not been included in Data/Snapshot Allocated Capacity for the storage-pool. totalAllocatedCapacityMB = dataAllocatedCapacityMB + snapShotAllocatedCapacityMB + otherAllocatedCapacityMB. |
| physicalDiskCapacityMB | bigint(20) | true | The Physical Disk Capacity in MB in case the storage pool has both backend LUNs and disks. |
| softLimitCapacityMB | bigint(20) | true | Capacity limit for thin provisioning in MB. |
| dedupeEnabled | char(1) | false | Is deduplication enabled on the storage pool. |
| compressionEnabled | char(1) | false | Is compression enabled on the storage pool. |
| dedupeRatio | float | true | Ratio of deduplication savings. Value between 0 and 1. |

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|--|
| compressionRatio | float | true | Ratio of compression savings. Value between 0 and 1. |
| url | varchar(255) | true | Url to this storage pool in Insight Server. |

dwh_inventory.storage_pool_to_backend_lun

Lists the backend LUNs used by a storage pool.

| Column | Type | Nullable | Description |
|----------------------|---------|----------|--|
| storageId | int(11) | false | GUID of the storage array. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| storagePoolId | int(11) | false | GUID of the storage pool. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_pool |
| backendLunId | int(11) | false | GUID of the backend LUN. References: <ul style="list-style-type: none"> id in dwh_inventory.backend_lun |

dwh_inventory.storage_pool_to_disk

Lists the disks used by a storage pool.

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| storageId | int(11) | false | GUID of the storage array. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| storagePoolId | int(11) | false | GUID of the storage pool. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_pool |
| diskId | int(11) | false | GUID of the disk. References: <ul style="list-style-type: none"> id in dwh_inventory.disk |

[dwh_inventory.storage_port](#)

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|--|
| id | int(11) | false | GUID of the storage port. |
| controllerId | int(11) | false | GUID of the controller (node) where this port resides. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_controller |
| storageId | int(11) | false | GUID of the storage array where this port resides. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| wwn | varchar(255) | false | WWN of the port. |

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|---|
| nodeWwn | varchar(255) | false | WWN of the node (controller) where this port resides. |
| portId | varchar(255) | false | Id of the port. |
| name | varchar(255) | true | Name of the port. |
| speed | varchar(12) | true | Speed of the port, in Gbps. |
| controller | varchar(255) | true | Name of the controller where this port resides. |
| url | varchar(255) | true | Url to this port in Insight Server. |
| active | char(1) | false | True if the port is not dead |

dwh_inventory.storage_to_application

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| id | int(11) | false | GUID of the relationship between a storage and an application. |
| storageId | int(11) | false | GUID of the storage. References: <ul style="list-style-type: none">• id in dwh_inventory.storage |
| applicationId | int(11) | false | GUID of the application. References: <ul style="list-style-type: none">• id in dwh_inventory.application |
| inherited | char(1) | false | This application is inherited. |

dwh_inventory.switch

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|---|
| id | int(11) | false | GUID of the switch. |
| fabricId | int(11) | true | <p>GUID of the fabric on which this switch is configured to operate.</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.fabric |
| identifier | varchar(768) | false | Identifier of the device. |
| wwn | varchar(255) | false | WWN of the switch. |
| ip | varchar(255) | false | IP address of the switch. |
| name | varchar(255) | false | Name of the switch. |
| manufacturer | varchar(255) | true | Manufacturer of the switch |
| model | varchar(255) | true | Model of the switch. |
| firmware | varchar(255) | true | Firmware version running on the switch. |
| domainId | varchar(255) | true | Fabric domain ID of the switch. |
| domainIdType | varchar(255) | true | Type of domain ID. Possible values are static(0) or preferred(1). |
| priority | varchar(255) | true | Priority of the switch. |
| vsanEnabled | char(1) | false | Indicates whether the switch supports VSANs. |
| serialNumber | varchar(255) | true | Serial number of the switch. |
| manageURL | varchar(255) | true | URL to the management software of the device. |
| sanRouteEnabled | char(1) | false | Indicates whether the switch supports Inter VSAN Routing (IVR). |
| npv | char(1) | false | Indication whether this is an NPV switch. |

| Column | Type | Nullable | Description |
|-------------------------|---|----------|---|
| isGenerated | char(1) | false | Indication whether this switch does not correspond to a physical device. It is used to model one to many port connectivity. |
| type | enum('CHASSIS', 'FABRIC_LOGICAL', 'FABRIC_PHYSICAL', 'NPV_CHASSIS', 'NPV_LOGICAL', 'NPV_PHYSICAL', 'NPV_HUB') | true | Switch type. |
| url | varchar(255) | true | Url to this switch in Insight Server. |
| lastAcquiredTime | datetime | true | Specifies the last acquired time. |
| active | char(1) | false | Indicates whether the Switch is dead or active |
| dataCenter | varchar(255) | false | Data_Center annotation value assigned to the Switch. |
| switchLevel | varchar(255) | false | Switch_Level annotation value assigned to the Switch. |

dwh_inventory.switch_port

| Column | Type | Nullable | Description |
|-----------------|---------|----------|---|
| id | int(11) | false | GUID of the port. |
| switchId | int(11) | false | GUID of the switch where the port resides. References: <ul style="list-style-type: none"> id in dwh_inventory.switch |

| Column | Type | Nullable | Description |
|--------------------------|--------------|----------|--|
| fabricId | int(11) | true | <p>GUID of the fabric on which the port is configured to operate.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.fabric |
| virtualSwitchId | int(11) | true | <p>GUID of the virtual switch where the port resides. NULL if none exists.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.virtual_switch |
| wwn | varchar(255) | false | WWN of the port. |
| status | varchar(100) | true | Status of the port. Possible values are OK, NOT_LICENSED, ERROR, INACTIVE and UNKNOWN |
| rawPortStatus | varchar(255) | true | Status of the port, taken from the device itself. Refer to the device documentation for an explanation of values. |
| type | varchar(255) | true | Port type, typically used to identify the protocol used to communicate with the other device, taken from the device itself: F-port, E-port, and so forth. |
| portPhysicalState | varchar(255) | true | Current state of the port, taken from the device itself. Refer to the device documentation for an explanation of values. |
| number | bigint(20) | true | Number of the port in the containing blade |
| blade | bigint(20) | true | Number of the blade in the containing switch. |
| portId | varchar(255) | false | Id of the port. |
| name | varchar(255) | true | Name of the port. |

| Column | Type | Nullable | Description |
|-----------------------|--------------|----------|--|
| speed | varchar(12) | true | Speed of the port, in Gbps. |
| fc4Protocol | varchar(255) | true | FC4 (application layer) protocol, displayed as any subset/combination of the following values: BASIC_LINK, EXTEND_LINK, FCIP, SCSI_FCP, FC_SERVICES, FC_SW, SNMP, FABRIC_SERVICES, FABRIC, DIAG and VI. |
| classOfService | varchar(255) | true | Class of service for the FC protocol. |
| gbicType | varchar(255) | true | Type of GBIC (Gigabit Interface Converter) used for the port. |
| url | varchar(255) | true | Url to this port in Insight Server. |
| isGenerated | char(1) | false | Indication whether this is a generated wwn (if we do not know the real wwn). |
| active | char(1) | false | True if the port is not dead |

dwh_inventory.switch_port_to_application

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| id | int(11) | false | GUID of the relationship between a port and an application. |
| applicationId | int(11) | false | GUID of the application. References: <ul style="list-style-type: none"> id in dwh_inventory.application |
| portId | int(11) | false | GUID of the switch port. References: <ul style="list-style-type: none"> id in dwh_inventory.switch_port |

| Column | Type | Nullable | Description |
|------------------|---------|----------|--------------------------------|
| inherited | char(1) | false | This application is inherited. |

dwh_inventory.switch_to_application

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| id | int(11) | false | GUID of the relationship between a switch and an application. |
| switchId | int(11) | false | GUID of the switch. References: <ul style="list-style-type: none"> id in dwh_inventory.switch |
| applicationId | int(11) | false | GUID of the application. References: <ul style="list-style-type: none"> id in dwh_inventory.application |
| inherited | char(1) | false | This application is inherited. |

dwh_inventory.tape

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---------------------------|
| id | int(11) | false | GUID of the tape. |
| name | varchar(255) | false | Name of the tape. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | IP address of the tape. |
| manufacturer | varchar(255) | true | Manufacturer of the tape. |

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| serialNumber | varchar(255) | true | Serial number for the tape. |
| active | char(1) | true | Indicates whether the tape is currently active. |

dwh_inventory.tape_controller

| Column | Type | Nullable | Description |
|----------------------|--------------|----------|--|
| id | int(11) | false | GUID of the tape controller. |
| tapeId | int(11) | false | GUID of the tape where this controller resides. References: <ul style="list-style-type: none"> id in dwh_inventory.tape |
| wwn | varchar(255) | false | GUID of the controller. |
| model | varchar(255) | true | Model of the controller. |
| manufacturer | varchar(255) | true | Manufacturer of the controller. |
| driver | varchar(255) | true | Name of the driver managing access to the controller. |
| firmware | varchar(255) | true | Version of the firmware running on the controller. |
| numberOfPorts | varchar(255) | true | Number of ports on the controller. |

dwh_inventory.tape_port

| Column | Type | Nullable | Description |
|---------------------|---------|----------|--|
| id | int(11) | false | GUID of the tape port. |
| controllerId | int(11) | false | GUID of the controller where this port resides. References: |

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|--|
| | | | <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.tape_controller |
| tapeId | int(11) | false | GUID of the tape where this port resides. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.tape |
| wwn | varchar(255) | false | WWN of the port. |
| nodeWwn | varchar(255) | false | WWN of the node (controller) where this port resides. |
| portId | varchar(255) | false | Id of the port. |
| name | varchar(255) | true | Name of the port. |
| speed | varchar(12) | true | Speed of the port, in Gbps. |
| controller | varchar(255) | true | Name of the controller where this port resides. |
| url | varchar(255) | true | Url to this port in Insight Server. |
| active | char(1) | false | True if the port is not dead |

[dwh_inventory.tier](#)

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|---|
| id | int(11) | false | GUID for the annotation. |
| name | varchar(255) | false | Value of the annotation. |
| sequence | int(11) | true | Sequence number determining the order of enumeration values. This is used primarily for display purposes. |
| cost | double | true | Optional cost associated with the annotation. Applicable for Tier annotation. |

dwh_inventory.unknown_logical

Represents a logical path between a host and a volume through volume UUID mapping, where type is UNKNOWN.

| Column | Type | Nullable | Description |
|-----------|---------|----------|--|
| id | int(11) | false | GUID of the generic logical path with unknown type. |
| hostId | int(11) | false | GUID of the initiator host of the generic logical path with unknown type. References: <ul style="list-style-type: none">id in dwh_inventory.host |
| storageId | int(11) | false | GUID of the target storage of the generic logical path with unknown type. References: <ul style="list-style-type: none">id in dwh_inventory.storage |
| volumeId | int(11) | false | GUID of the target volume of the generic logical path with unknown type. References: <ul style="list-style-type: none">id in dwh_inventory.volume |

dwh_inventory.violation

| Column | Type | Nullable | Description |
|--------|---------|----------|------------------------|
| id | int(11) | false | GUID of the violation. |

| Column | Type | Nullable | Description |
|------------------------|---------|----------|---|
| hostId | int(11) | true | <p>GUID of the initiator host of the violation - is set to null for violations from generic-devices.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.host |
| genericDeviceId | int(11) | true | <p>GUID of the generic-device which is the initiator of the violation - is set to null for violations from hosts.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.generic_device |
| storageId | int(11) | true | <p>GUID of the target storage of the violation - is set to null for violations to tapes.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.storage |
| tapeId | int(11) | true | <p>GUID of the target tape of the violation - is set to null for violations to storage-arrays.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.tape |

| Column | Type | Nullable | Description |
|-------------------|---|----------|--|
| volumeId | int(11) | true | <p>GUID of the volume to which the violation applies - is set to null for paths to tapes.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.volume |
| volumeName | varchar(255) | true | <p>Name of the volume. This would be available even if there is a Path Violations with missing volume</p> |
| type | enum('EXIST_NOT_APPROVED', 'APPROVE_NOT_EXIST', 'NO_SPF', 'REDUNDANCY_VIOLATION', 'HOPS_VIOLATION', 'HOST_PORTS_VIOLATION', 'SHARE_VOLUME_SCOPE_VIOLATION', 'SORAGE_PORTS_VIOLATION', 'BACKEND_OUTAGE_VIOLATION', 'HV_ACTIVE_PATH_CONFLICT_VIOLATION', 'HV_MISSING_VIRTUAL_CLUSTER_PATH_VIOLATION', 'HV_INCONSISTENT_LUNS_VIOLATION', 'HV_MISSING_VIRTUAL_CLUSTER_NAS_PATH_VIOLATION', 'ISCSI_SECURITY_VIOLATION', 'ISCSI_NUMBER_OF_SESSIONS_VIOLATION', 'ISCSI_NUMBER_OF_CONNECTIONS_VIOLATION') | false | <p>Violation type.</p> |

| Column | Type | Nullable | Description |
|-----------------------|---------------------------|----------|---|
| technologyType | enum('FC', 'ISCSI', 'HV') | false | The technology type (FC, ISCSI, HV) for the violation |
| since | datetime | false | Time when the violation started. |

dwh_inventory.virtual_switch

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| id | int(11) | false | GUID of the virtual switch. |
| fabricId | int(11) | true | GUID of the fabric to which the virtual switch belongs. References: <ul style="list-style-type: none"> id in dwh_inventory.fabric |
| wwn | varchar(255) | false | WWN of the virtual switch. |
| ip | varchar(255) | false | IP address of the virtual switch |
| name | varchar(255) | false | Name of the virtual switch. |
| domainId | varchar(255) | true | Fabric domain ID of the switch. |
| domainIdType | varchar(255) | true | Type of domain ID. Possible values are static(0) or preferred(1). |
| priority | varchar(255) | true | Priority of the virtual switch. |
| switchRole | varchar(255) | true | Role of the virtual switch in the event of fabric merge. Possible values are PRINCIPAL and SUBORDINATE |
| chassisWwn | varchar(255) | true | WWN of the physical switch which defines the virtual switch. |

| Column | Type | Nullable | Description |
|--------------------|---|----------|---|
| npv | char(1) | false | Indication whether this is an NPV switch. |
| isGenerated | char(1) | false | Indication whether this switch does not correspond to a physical device. It is used to model one to many port connectivity. |
| type | enum('CHASSIS', 'FABRIC_LOGICAL', 'FABRIC_PHYSICAL', 'NPV_CHASSIS', 'NPV_LOGICAL', 'NPV_PHYSICAL', 'NPV_HUB') | true | Switch type. |

dwh_inventory.virtual_to_backend_volume

| Column | Type | Nullable | Description |
|------------------------|---------|----------|---|
| virtualVolumeId | int(11) | false | GUID of the volume. References: <ul style="list-style-type: none"> id in dwh_inventory.volume |
| backendVolumeId | int(11) | false | GUID of the backend Volume. References: <ul style="list-style-type: none"> id in dwh_inventory.volume |

dwh_inventory.vm_to_application

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| id | int(11) | false | GUID of the relationship between a virtual machine and an application. |
| vmId | int(11) | false | GUID of the virtual machine. References: <ul style="list-style-type: none"> id in dwh_inventory.hv_virtual_machine |
| applicationId | int(11) | false | GUID of the application. References: <ul style="list-style-type: none"> id in dwh_inventory.application |
| inherited | char(1) | false | This application is inherited. |

dwh_inventory.volume

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|---|
| id | int(11) | false | GUID of the volume. |
| storageId | int(11) | false | GUID of the storage where this volume resides. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| internalVolumeId | int(11) | true | When the volume represents a NetApp LUN, GUID of the internal-volume where the LUN resides. Null otherwise. References: <ul style="list-style-type: none"> id in dwh_inventory.internal_volume |

| Column | Type | Nullable | Description |
|---------------------------|--------------|----------|---|
| qtreeId | int(11) | true | When the volume represents a NetApp LUN, GUID of the qtree where the LUN resides. Null otherwise. References: <ul style="list-style-type: none">• id in dwh_inventory.qtree |
| name | varchar(255) | true | Name of the volume. |
| label | varchar(255) | true | Label (description) of the volume. |
| thinProvisioned | char(1) | false | Whether this volume is thin provisioned. |
| capacityMB | bigint(20) | false | Volume usable capacity (as seen by the host or other SCSI initiators) in MB. |
| consumedCapacityMB | bigint(20) | false | Presents the capacity that is being consumed in MB. |
| writtenCapacityMB | bigint(20) | true | Presents the capacity that is being written in MB. |
| rawCapacityMB | bigint(20) | false | Actual raw disk capacity used by the volume, in MB. |
| type | varchar(255) | true | Vendor-specific type of volume (e.g., SFS, BCV). |
| replicaSource | char(1) | true | Indicates whether this volume is a source in a replica. |
| replicaTarget | char(1) | true | Indicates whether this volume is a target in a replica. |
| snapshot | char(1) | true | Indicates whether this volume is a snapshot volume. |
| cylinders | int(11) | true | Number of cylinders in the volume. |

| Column | Type | Nullable | Description |
|----------------------------|--------------------------------|----------|--|
| diskGroup | varchar(255) | true | Comma separated list of the disk groups used by this volume. |
| isVirtual | char(1) | true | Indicates whether this volume is a virtual volume (in a virtual storage-pool). |
| meta | char(1) | true | Indicates whether this volume is a meta volume in a volume group. |
| virtualStorage | varchar(255) | true | Name of the vFiler containing the volume (NetApp). |
| head | varchar(255) | true | Head (NetApp) through which the volume is exposed. For example, name of the active head in an active-passive configuration. |
| protectionType | varchar(255) | true | Specifies the protection type for the volume (e.g., BCV, R1, R2 ...) |
| technologyType | enum('FC', 'ISCSI', 'UNKNOWN') | true | Specifies the technology type (FC/ISCSI/UNKNOWN). |
| autoTieringPolicyId | int(11) | true | <p>GUID of auto tiering policy</p> <p>References:</p> <ul style="list-style-type: none"> id in dwh_inventory.auto_tiering_policy |
| autoTiering | char(1) | false | Indicates whether this volume is participating in auto tiering. |
| uuid | varchar(255) | true | UUID of the volume. |
| isMainframe | char(1) | false | Indicates whether this is a Mainframe volume |

| Column | Type | Nullable | Description |
|----------------------------|--------------|----------|--|
| lastKnownAccessTime | datetime | true | Specifies the last time known to SANscreen in which the volume was accessed for read or write (NULL if time is unavailable). |
| url | varchar(255) | true | Url to this volume in Insight Server. |

dwh_inventory.volume_in_storage_pool

Links storage pool and the volumes carved from it.

| Column | Type | Nullable | Description |
|--------------------------------|------------|----------|---|
| storageId | int(11) | false | GUID of the storage array. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| volumeId | int(11) | false | GUID of the volume. References: <ul style="list-style-type: none"> id in dwh_inventory.volume |
| storagePoolId | int(11) | false | GUID of the storage pool. References: <ul style="list-style-type: none"> id in dwh_inventory.storage_pool |
| volumeMembersCapacityMB | bigint(20) | false | Capacity of all volume-members on the storage-pool contributing to a volume, in MB. |

| Column | Type | Nullable | Description |
|-----------------------------------|------------|----------|---|
| volumeMembersRawCapacityMB | bigint(20) | false | Raw capacity of all volume-members on the storage-pool contributing to a volume, in MB. |

dwh_inventory.volume_map

| Column | Type | Nullable | Description |
|---------------------------|--------------|----------|---|
| id | int(11) | false | GUID of the volume map entry. |
| volumeId | int(11) | false | GUID of the volume to which the volume map entry refers. References: <ul style="list-style-type: none"> id in dwh_inventory.volume |
| storageId | int(11) | false | GUID of the storage on which the volume map entry is defined. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| protocolController | varchar(255) | true | Name of the protocol controller which defines the volume map entry. |
| lun | varchar(255) | false | Logical Unit Number (LUN) used to access this volume. |
| tid | int(11) | true | Target SCSI ID defined by the volume map entry. |
| storagePortWwn | varchar(255) | true | WWN of the storage port to which this volume map entry refers. |

| Column | Type | Nullable | Description |
|----------------------------|------------|----------|---|
| wwnSecurityValidity | tinyint(4) | false | Indicates whether access to the volume requires additional masking configuration. |

dwh_inventory.volume_mask

| Column | Type | Nullable | Description |
|---------------------------|--------------|----------|--|
| id | int(11) | false | GUID of the volume mask entry. |
| volumeId | int(11) | false | GUID of the volume to which the volume mask entry refers. References: <ul style="list-style-type: none"> id in dwh_inventory.volume |
| storageId | int(11) | false | GUID of the storage on which the volume mask entry is defined. References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| protocolController | varchar(255) | true | Name of the protocol controller which defines the volume mask entry. |
| storagePortWwn | varchar(255) | true | WWN of the storage port to which the volume mask entry refers. |
| initiatorWwn | varchar(255) | false | WWN of the initiator port to which the volume mask entry refers. |
| hostId | int(11) | true | GUID of the host referred to by the initiator WWN of this volume mask entry References: |

| Column | Type | Nullable | Description |
|-------------------|---------------------|----------|---|
| | | | <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.host |
| <code>type</code> | enum('FC', 'ISCSI') | false | Type of the volume access technology. |

dwh_inventory.volume_to_application

| Column | Type | Nullable | Description |
|----------------------------|---------|----------|--|
| <code>id</code> | int(11) | false | GUID of the relationship between a volume and an application. |
| <code>applicationId</code> | int(11) | false | GUID of the application. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.application |
| <code>volumeId</code> | int(11) | false | GUID of the volume. References: <ul style="list-style-type: none"> <code>id</code> in dwh_inventory.volume |
| <code>inherited</code> | char(1) | false | This application is inherited. |

dwh_inventory.zone

Zone and Zone Capabilities info.

| Column | Type | Nullable | Description |
|-----------------|---------|----------|-------------------|
| <code>id</code> | int(11) | false | GUID of the zone. |

| Column | Type | Nullable | Description |
|--------------------------|--------------|----------|---|
| fabricId | int(11) | false | GUID of the fabric where the zone is defined. References: <ul style="list-style-type: none">• id in dwh_inventory.fabric |
| name | varchar(255) | false | Name of the zone. Part of the natural-key. |
| fabricWwn | varchar(255) | false | WWN of the fabric where the zone is defined. |
| configurationName | varchar(255) | false | Name of the active zone configuration (set) that contains this zone. Part of the natural-key. |

[dwh_inventory.zone_member](#)

Zone Members info.

| Column | Type | Nullable | Description |
|-----------------|-----------------------|----------|---|
| id | int(11) | false | GUID of the zone_member. |
| zoneId | int(11) | false | GUID of the zone. References: <ul style="list-style-type: none">• id in dwh_inventory.zone |
| fabricId | int(11) | false | GUID of the fabric where the zone is defined. References: <ul style="list-style-type: none">• id in dwh_inventory.fabric |
| type | enum('WWN', 'SWITCH') | false | Member zoning type. Can be either WWN (Soft) or SWITCH (Hard). |
| wwn | varchar(255) | false | WWN of the member. Can be a switch port (if type=SWITCH) or node/port of a device (type=WWN). |

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|-------------------|
| zoneName | varchar(255) | false | Name of the zone. |

dwh_performance

dwh_performance.application_dimension

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|--|
| tk | int(11) | false | TK of this application row. |
| name | varchar(255) | false | Name of the application. |
| description | varchar(255) | true | Description of the application. |
| businessUnit | varchar(255) | true | Name of the business unit that owns the application. |
| priority | varchar(255) | true | Priority of the application. |
| url | varchar(255) | true | Url to this application in Insight Server. |
| id | int(11) | true | GUID of the application in dwh_inventory.application. |
| latest | char(1) | true | Indicates whether this row is the latest one for this application. |
| dateTk | int(11) | true | TK of the date in which this application row was created. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.application_group_bridge

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| appGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none"> tk in dwh_performance.application_group_dimension |
| appTk | int(11) | false | TK of the application. References: <ul style="list-style-type: none"> tk in dwh_performance.application_dimension |
| isRep | char(1) | true | Indicates whether this application represents its application group. |
| businessUnit | varchar(255) | true | Name of the business unit that owns the application. |

[dwh_performance.application_group_dimension](#)

| Column | Type | Nullable | Description |
|--------------------|--------------|----------|--|
| tk | int(11) | false | TK of the application group. |
| repApp | varchar(255) | false | Name of the application representing the application group. |
| repAppTk | int(11) | false | TK of the application representing the application group. References: <ul style="list-style-type: none"> tk in dwh_performance.application_dimension |
| cardinality | smallint(6) | false | Number of applications in the application group. |

| Column | Type | Nullable | Description |
|---------------|---------|----------|---|
| dateTk | int(11) | true | TK of the date in which the application group row was created. References: <ul style="list-style-type: none">• tk in dwh_performance.date_dimension |

dwh_performance.application_volume_hourly_performance_fact

The performance data for applications.

| Column | Type | Nullable | Description |
|---------------------------|------------|----------|---|
| tk | bigint(20) | false | TK of the fact. |
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none">• tk in dwh_performance.time_dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none">• tk in dwh_performance.date_dimension |
| applicationTk | int(11) | false | TK of the application representative. References: <ul style="list-style-type: none">• tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: |

| Column | Type | Nullable | Description |
|-----------------------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.application_group_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_performance.service_level_dimension |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none"> tk in dwh_performance.business_entity_dimension |
| readResponseTime | double | false | Read response time. |
| writeResponseTime | double | false | Write response time |
| totalResponseTime | double | false | The total response time. |
| totalResponseTimeMax | double | false | The maximum for response time. |
| readThroughput | double | false | Read throughput average. |
| writeThroughput | double | false | Write throughput average. |

| Column | Type | Nullable | Description |
|--------------------------------------|--------|----------|--|
| sumOfAveragesVolumeThroughput | double | true | The sum of totalThroughput for all volume hourly samples related to application. Represents the average usage for application. |
| maxOfMaxVolumeThroughput | double | false | The maximum totalThroughputMax for all volume hourly samples related to application. Represents the best case scenario of max usage for application. |
| sumOfMaxVolumeThroughput | double | false | The sum of totalThroughputMax for all volume hourly sample related to application. Represents the worst case scenario of max usage when all maxes happen at the same time. |
| readIops | double | false | Read io per second average. |
| writeIops | double | false | Write io per second average. |
| sumOfAveragesVolumeIops | double | false | The sum of totalIops for all volume hourly samples related to application. Represents the average usage for application. |
| maxOfMaxVolumeIops | double | false | The maximum totalIopsMax for all volume hourly samples related to application. Represents the best case scenario of max usage for application. |
| sumOfMaxVolumeIops | double | false | The sum of totalIopsMax for all volume hourly sample related to application. Represents the worst case scenario of max usage when all maxes happen at the same time. |
| readCacheHitRatio | double | true | The read cache hit ratio. |
| writeCacheHitRatio | double | true | The write cache hit ratio. |
| totalCacheHitRatio | double | true | The total cache hit ratio. |
| totalCacheHitRatioMax | double | true | The maximum total cache hit ratio. |

| Column | Type | Nullable | Description |
|--------------------------|------------|----------|-------------------------------|
| writePending | bigint(20) | false | Number of pending writes. |
| readIoDensity | double | true | Read io density. |
| writeIoDensity | double | true | Write io density. |
| totalIoDensity | double | true | Total io density. |
| totalIoDensityMax | double | true | The maximum total io density. |

dwh_performance.business_entity_dimension

| Column | Type | Nullable | Description |
|---------------------|---------------|----------|--|
| tk | int(11) | false | TK of this business entity row. |
| fullname | varchar(1024) | false | Name of the business entity. |
| tenant | varchar(255) | false | Name of the tenant. |
| lob | varchar(255) | false | Name of the line of business. |
| businessUnit | varchar(255) | false | Name of the business unit. |
| project | varchar(255) | false | Name of the project. |
| id | int(11) | true | GUID of the business entity in dwh_inventory.business_entity. |
| latest | char(1) | true | Indicates whether this row is the latest one for this business entity. |
| dateTk | int(11) | true | TK of the date in which this business entity row was created. References: |

| Column | Type | Nullable | Description |
|--------|------|----------|--|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.capacity_volume_fact_current

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|---|
| chargebackFactTk | int(11) | true | TK of the chargeback fact row where the volume capacity is counted. References: <ul style="list-style-type: none"> tk in dwh_capacity.chargeback_fact |
| volumeId | int(11) | false | GUID of the volume as appears in inventory References: <ul style="list-style-type: none"> id in dwh_inventory.volume |
| storageId | int(11) | true | GUID of the storage where this volume resides, as appears in the inventory References: <ul style="list-style-type: none"> id in dwh_inventory.storage |
| volumeName | varchar(255) | true | Name of the volume |
| volumeType | varchar(255) | true | Vendor-specific type of volume (e.g., SFS, BCV). |
| thinProvisioned | char(1) | true | Indicates whether this volume is thin provisioned. |

| Column | Type | Nullable | Description |
|----------------------------|--------------------------------|----------|---|
| isVirtual | char(1) | true | Indicates whether this volume is a virtual volume. |
| snapshot | char(1) | true | Indicates whether this volume is a snapshot volume. |
| technologyType | enum('FC', 'ISCSI', 'UNKNOWN') | true | Specifies the technology type (FC/ISCSI/UNKNOWN). |
| physicalUsableMB | bigint(20) | false | The amount of volume usable capacity that is consumed from the storage and is counted in the fact row, in MB. |
| physicalRawMB | bigint(20) | false | The amount of volume raw capacity that is consumed from the storage and is counted in the fact row, in MB. |
| provisionedUsableMB | bigint(20) | false | The amount of volume usable capacity that is provisioned to hosts/users counted in the fact row, in MB. |
| provisionedRawMB | bigint(20) | false | The amount of volume raw capacity that is provisioned to hosts/users counted in the fact row, in MB. |

dw_h_performance.connected_device_dimension

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|-----------------------------|
| tk | int(11) | false | TK of this fabric row. |
| identifier | varchar(768) | false | Identifier of the device. |
| name | varchar(255) | false | Name of the device. |
| manufacturer | varchar(255) | true | Manufacturer of the device. |

| Column | Type | Nullable | Description |
|-----------------|--|----------|--|
| model | varchar(255) | true | Manufacturer model of the device. |
| type | enum('Storage', 'Host', 'Switch', 'NPV Switch', 'Generic', 'Tape') | true | Type of the device. |
| firmware | varchar(255) | true | Firmware version running on the device. |
| id | int(11) | true | The ID of the device |
| latest | char(1) | true | Indicates whether this row is the latest one for this device. |
| dateTk | int(11) | true | <p>TK of the date in which this connected device row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.datastore_dimension

| Column | Type | Nullable | Description |
|------------------------|--------------|----------|--|
| tk | int(11) | false | TK of this datastore row. |
| naturalKey | varchar(768) | false | Oid of the datastore. |
| name | varchar(512) | false | Name of the datastore. |
| moid | varchar(255) | true | Managed Object ID of the datastore. |
| virtualCenterIp | varchar(255) | true | IP address of virtual center of the datastore. |
| url | varchar(255) | true | Url to this datastore in Insight Server. |

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| id | int(11) | true | GUID of the datastore in dwh_inventory.hv_data_store |
| latest | char(1) | true | Indicates whether this row is the latest one for this datastore. |
| dateTk | int(11) | true | <p>TK of the date in which this datastore row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.date_dimension

| Column | Type | Nullable | Description |
|---------------------|-------------|----------|---|
| tk | int(11) | false | TK of the date object. |
| fullDate | datetime | false | Date of the date object. |
| dayInMonth | tinyint(4) | false | Day of the month for the date object. The first day of the month has value 1. |
| dayInYear | smallint(6) | false | Day in year of the date object. The first day of the year has value 1. |
| dateYear | smallint(6) | false | Year of the date object. |
| yearLabel | char(4) | false | Year formatted as String |
| monthNum | tinyint(4) | false | Month of the date object. January has value 1. |
| monthLabel | char(7) | false | Month formatted as String |
| dayInWeekNum | tinyint(4) | false | Day of the week for the date object. Sunday has value 1. |
| quarter | tinyint(4) | false | Quarter of the date object. First quarter has value 1. |

| Column | Type | Nullable | Description |
|-------------------------|-------------|----------|---|
| quarterLabel | char(7) | false | Quarter formatted as String |
| dayInQuarter | smallint(6) | false | Day in quarter of the date object. First day of the quarter has value 1. |
| repQuarter | tinyint(4) | false | Indicates whether this date is the first date available for its quarter. |
| repMonth | tinyint(4) | false | Indicates whether this date is the first date available for its month. |
| repWeek | tinyint(4) | false | Indicates whether this date is the first date available for its week. |
| repDay | tinyint(4) | false | Indicates whether this date is the first date available for its day. |
| repMonthOrLatest | tinyint(4) | false | Indicates whether this date is the repmonth or the latest. This flag is used by Datamarts which works on monthly reps. Only difference being for the current month it is the latest |
| sspFlag | tinyint(4) | false | Indicates whether this date is used in Storage and Storage Pool Datamart. It is true for month representatives and for the last number of days as defined in configuration. |
| latest | char(1) | true | Indicates whether this date is the last date available in the table. |
| future | char(1) | false | Indicates whether this date is a future date (projection) or regular one. |

dwh_performance.disk_daily_performance_fact

The daily performance data for disks.

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|---|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| diskTk | int(11) | false | TK of the disk for performance numbers (if found). References: <ul style="list-style-type: none"> tk in dwh_performance.disk_dimension |
| storageTk | int(11) | false | TK of the storage for performance numbers. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| storagePoolTk | int(11) | false | TK of the storage pool for performance numbers. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_pool_dimension |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |

| Column | Type | Nullable | Description |
|----------------------------|------------|----------|---|
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| readUtilization | double | true | Read utilization (%). |
| writeUtilization | double | true | Write utilization (%). |
| totalUtilization | double | true | Total utilization (%). |
| totalUtilizationMax | double | true | The max utilization (%). |
| accessed | int(11) | true | Is disk accessed? |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.disk_dimension

| Column | Type | Nullable | Description |
|--------------------------|------------------------|----------|--|
| tk | int(11) | false | TK of this disk row. |
| identifier | varchar(768) | false | Identifier of the disk. |
| storageIdentifier | varchar(768) | true | Identifier of the disk storage. |
| name | varchar(255) | true | Name of the disk. |
| speed | int(11) | true | Speed of disk. |
| location | varchar(255) | true | Disk location. |
| role | enum('DATA', 'PARITY', | false | Role enumeration for disk in storage group (e.g. PARITY, DATA, SPARE). |

| Column | Type | Nullabl e | Description |
|---------------------|--|--------------|--|
| | 'DPARITY', 'MIXED', 'SPARE', 'UNALLOCATED', 'FAULTY', 'OTHER') | | |
| vendor | varchar(255) | true | Disk vendor (e.g. NetApp, SEAGATE). |
| model | varchar(255) | true | Disk model. |
| type | enum('ATA', 'FATA', 'SATA', 'SATA2', 'SATA3', 'FC', 'SAS', 'SSD', 'OTHER') | false | Type enumeration for the disk (e.g. SATA, FC). |
| diskGroup | varchar(255) | true | Identifier for disk group the disk belongs to (e.g. rg0, 7). |
| status | enum('NORMAL', 'FAILED', 'QUESTIONABLE', 'ZEROING', 'COPYING', 'PENDING', 'PARTNER', 'RECONSTRUCTIN G', 'OTHER') | false | Status enumeration for disk (e.g. NORMAL, FAILED). |
| serialNumber | varchar(255) | true | The disk serial number |
| url | varchar(255) | true | Url to this disk in Insight Server. |
| id | int(11) | true | GUID of the disk in dwh_inventory.disk |
| latest | char(1) | true | Indicates whether this row is the latest one for this disk. |

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| dateTk | int(11) | true | TK of the date in which this internal volume row was created. References: <ul style="list-style-type: none"> • tk in dwh_performance.date dimension |

dwh_performance.disk_hourly_performance_fact

The hourly performance data for disks.

| Column | Type | Nullable | Description |
|---------------|------------|----------|---|
| tk | bigint(20) | false | TK of the fact. |
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.time dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.date dimension |
| diskTk | int(11) | false | TK of the disk for performance numbers (if found). References: <ul style="list-style-type: none"> • tk in dwh_performance.disk dimension |

| Column | Type | Nullable | Description |
|----------------------------|---------|----------|---|
| storageTk | int(11) | false | TK of the storage for performance numbers. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| storagePoolTk | int(11) | false | TK of the storage pool for performance numbers. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_pool_dimension |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| readUtilization | double | true | Read utilization (%). |
| writeUtilization | double | true | Write utilization (%). |
| totalUtilization | double | true | Total utilization (%). |
| totalUtilizationMax | double | true | The max utilization (%). |
| accessed | int(11) | true | Is disk accessed? |

| Column | Type | Nullable | Description |
|------------------|------------|----------|--|
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.fabric_dimension

| Column | Type | Nullable | Description |
|----------------------|--------------|----------|---|
| tk | int(11) | false | TK of this fabric row. |
| identifier | varchar(768) | false | Identifier of the fabric. |
| wwn | varchar(255) | false | WWN of the fabric. |
| name | varchar(255) | false | Name of the fabric. |
| vsanEnabled | char(1) | false | Indicates whether this fabric is a VSAN. |
| vsanId | varchar(255) | true | Identifier for the VSAN in case this fabric is a VSAN. |
| zoningEnabled | char(1) | false | If true, zoning is enforce based on the data in the zone and zone members table. Otherwise, zoning is not enforced in the Fabric. |
| url | varchar(255) | true | Url to this fabric in Insight Server. |
| id | int(11) | true | GUID of the fabric in dwh_inventory.fabric |
| latest | char(1) | true | Indicates whether this row is the latest one for this fabric. |
| dateTk | int(11) | true | TK of the date in which this fabric row was created. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.host_dimension

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| tk | int(11) | false | TK of this host row. |
| name | varchar(255) | false | Name of the host. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | Comma separated list of IP addresses of the host. |
| os | varchar(255) | true | Operating system running on the host. |
| model | varchar(255) | false | Model number. |
| manufacturer | varchar(255) | false | Manufacturer of the host. |
| url | varchar(255) | true | Url to this host in Insight Server. |
| id | int(11) | true | GUID of the host in dwh_inventory.host. |
| latest | char(1) | true | Indicates whether this row is the latest one for this host. |
| dateTk | int(11) | true | TK of the date in which this host row was created. References: <ul style="list-style-type: none"> tk in dwh_performance.date dimension |
| dataCenter | varchar(255) | true | dataCenter annotation value assigned to dwh_dimensions.host_dimension |

dwh_performance.host_group_bridge

| Column | Type | Nullable | Description |
|--------------------|---------|----------|--|
| hostGroupTk | int(11) | false | TK of the host group. References: <ul style="list-style-type: none"> tk in dwh_performance.host_group dimension |

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| hostTk | int(11) | false | TK of the host. References: <ul style="list-style-type: none">tk in dwh_performance.host dimension |
| isRep | char(1) | true | Indicates whether this host represents its host group. |

dwh_performance.host_group_dimension

| Column | Type | Nullable | Description |
|--------------------|--------------|----------|---|
| tk | int(11) | false | TK of the host group. |
| repHost | varchar(255) | false | Name of the host representing the host group. |
| repHostTk | int(11) | false | TK of the host representing the host group. References: <ul style="list-style-type: none">tk in dwh_performance.host dimension |
| cardinality | smallint(6) | false | Number of hosts in the host group. |
| dateTk | int(11) | true | TK of the date in which this host group row was created. References: <ul style="list-style-type: none">tk in dwh_performance.date dimension |

dwh_performance.host_vm_daily_performance_fact

The performance daily data for host vm performance.

| Column | Type | Nullable | Description |
|-----------------------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none">tk in dwh_performance.date_dimension |
| hostTk | int(11) | false | TK of the host. References: <ul style="list-style-type: none">tk in dwh_performance.host_dimension |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readResponseTime | double | true | Read response time. |
| writeResponseTime | double | true | Write response time. |
| totalResponseTime | double | true | Total response time. |
| totalResponseTimeMax | double | true | Total max response time. |
| ipReceiveThroughput | double | true | Ip Receive Throughput. |

| Column | Type | Nullabl e | Description |
|---------------------------------------|----------------|--------------|--|
| ipTransmitThroughput | double | true | Ip Transmit Throughput. |
| ipTotalThroughput | double | true | Ip Total Throughput. |
| ipTotalThroughputMax | double | true | The maximum ip Total Throughput. |
| cpuUtilization | double | true | CPU utilization (%) |
| maxOfAvgCpuUtilization | double | true | MAX CPU utilization (%) |
| memoryUtilization | double | true | Memory utilization (%) |
| maxOfAvgMemoryUtilizati on | double | true | MAX Memory utilization (%) |
| swapInRate | double | true | Swap in rate |
| maxOfAvgSwapInRate | double | true | Max swap in rate |
| swapOutRate | double | true | Swap out rate |
| maxOfAvgSwapOutRate | double | true | Max swap out rate |
| swapTotalRate | double | true | Total swap rate |
| swapTotalRateMax | double | true | The maximum total swap rate |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.host_vm_hourly_performance_fact

The performance hourly data for host performance.

| Column | Type | Nullabl e | Description |
|-----------|----------------|--------------|-----------------|
| tk | bigint(20) | false | TK of the fact. |

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|--|
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none">tk in dwh_performance.time_dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none">tk in dwh_performance.date_dimension |
| hostTk | int(11) | false | TK of the host. References: <ul style="list-style-type: none">tk in dwh_performance.host_dimension |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readResponseTime | double | true | Read response time. |
| writeResponseTime | double | true | Write response time. |
| totalResponseTime | double | true | Total response time. |

| Column | Type | Nullable | Description |
|-----------------------------|------------|----------|--|
| totalResponseTimeMax | double | true | Total max response time. |
| ipReceiveThroughput | double | true | Ip Receive Throughput. |
| ipTransmitThroughput | double | true | Ip Transmit Throughput. |
| ipTotalThroughput | double | true | Ip Total Throughput. |
| ipTotalThroughputMax | double | true | The maximum ip Total Throughput. |
| cpuUtilization | double | true | CPU utilization (%) |
| memoryUtilization | double | true | Memory utilization (%) |
| swapInRate | double | true | Swap in rate |
| swapOutRate | double | true | Swap out rate |
| swapTotalRate | double | true | Total swap rate |
| swapTotalRateMax | double | true | The maximum total swap rate |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.host_volume_hourly_performance_fact

The performance data for hosts.

| Column | Type | Nullable | Description |
|-----------|------------|----------|-----------------|
| tk | bigint(20) | false | TK of the fact. |

| Column | Type | Nullable | Description |
|-----------------------|---------|----------|--|
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.time_dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| hostTk | int(11) | false | TK of the host representative. References: <ul style="list-style-type: none"> tk in dwh_performance.host_dimension |
| hostGroupTk | int(11) | false | TK of the host group. References: <ul style="list-style-type: none"> tk in dwh_performance.host_group_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: |

| Column | Type | Nullable | Description |
|--------------------------------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.service_level_dimension |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none"> tk in dwh_performance.business_entity_dimension |
| readResponseTime | double | false | Read response time. |
| writeResponseTime | double | false | Write response time |
| totalResponseTime | double | false | The total response time. |
| totalResponseTimeMax | double | false | The maximum for response time. |
| readThroughput | double | false | Read throughput average. |
| writeThroughput | double | false | Write throughput average. |
| sumOfAveragesVolumeThroughput | double | true | The sum of totalThroughput for all volume hourly samples related to host. Represents the average usage for host. |
| maxOfMaxVolumeThroughput | double | false | The maximum totalThroughputMax for all volume hourly samples related to host. Represents the best case scenario of max usage for host. |
| sumOfMaxVolumeThroughput | double | false | The sum of totalThroughputMax for all volume hourly sample related to host. Represents the worst case scenario of max usage when all maxes happen at the same time. |
| readIops | double | false | Read io per second average. |

| Column | Type | Nullable | Description |
|--------------------------------|------------|----------|---|
| writeIops | double | false | Write io per second average. |
| sumOfAveragesVolumeIops | double | false | The sum of totalIops for all volume hourly samples related to host. Represents the average usage for host. |
| maxOfMaxVolumeIops | double | false | The maximum totalIopsMax for all volume hourly samples related to host. Represents the best case scenario of max usage for host. |
| sumOfMaxVolumeIops | double | false | The sum of totalIopsMax for all volume hourly sample related to host. Represents the worst case scenario of max usage when all maxes happen at the same time. |
| readCacheHitRatio | double | true | The read cache hit ratio. |
| writeCacheHitRatio | double | true | The write cache hit ratio. |
| totalCacheHitRatio | double | true | The total cache hit ratio. |
| totalCacheHitRatioMax | double | true | The maximum total cache hit ratio. |
| writePending | bigint(20) | false | Number of pending writes. |
| readIoDensity | double | true | Read io density. |
| writeIoDensity | double | true | Write io density. |
| totalIoDensity | double | true | Total io density. |
| totalIoDensityMax | double | true | The maximum total io density. |

dwh_performance.internal_volume_daily_performance_fact

The performance daily data for internal volumes.

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|---|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| internalVolumeTk | int(11) | false | TK of the internal volume for performance numbers (if found). References: <ul style="list-style-type: none"> tk in dwh_performance.internal_volume_dimension |
| storageTk | int(11) | false | TK of the storage for performance numbers. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| virtualStorageTk | int(11) | false | TK of the frontend array in case the capacity is on a backend array. Otherwise, the value is N/A. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| storageNodeTk | int(11) | false | TK of the storage node. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_node_dimension |

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|---|
| storagePoolTk | int(11) | true | TK of the storage pool for performance numbers (if found). References: <ul style="list-style-type: none">tk in dwh_performance.storage_pool_dimension |
| applicationTk | int(11) | false | TK of the application representative. References: <ul style="list-style-type: none">tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none">tk in dwh_performance.application_group_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none">tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none">tk in dwh_performance.service_level_dimension |
| businessEntityTk | int(11) | false | TK of the business entity. References: |

| Column | Type | Nullable | Description |
|-----------------------------|------------|----------|---|
| | | | <ul style="list-style-type: none"> • tk in dwh_performance.business_entity_dimension |
| readResponseTime | double | false | Read response time average. |
| writeResponseTime | double | false | Write response time average. |
| totalResponseTime | double | false | The total response time average. |
| totalResponseTimeMax | double | false | The maximum for response time. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | false | The maximum total throughput. |
| readIops | double | true | Read io per second average. |
| writeIops | double | true | Write io per second average. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | false | The max io per second. |
| writePending | bigint(20) | false | Number of pending writes maximum for day. |
| readIoDensity | double | true | Read io density. |
| writeIoDensity | double | true | Write io density. |
| totalIoDensity | double | true | Total io density. |
| totalIoDensityMax | double | true | The maximum total io density. |

| Column | Type | Nullabl e | Description |
|------------------|------------|--------------|--|
| accessed | int(11) | false | Is internal volume accessed? |
| frontend | char(1) | false | Is internal volume frontend? |
| backend | char(1) | false | Is internal volume backend? |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.internal_volume_dimension

| Column | Type | Nullabl e | Description |
|------------------------------|--------------|--------------|---|
| tk | int(11) | false | TK of this internal volume row. |
| name | varchar(255) | false | Name of the internal volume. |
| identifier | varchar(768) | false | Identifier of the internal volume. |
| storagePoolIdentifier | varchar(768) | false | Identifer of the storage pool where this internal volume resides. |
| storageName | varchar(255) | false | Name of the storage where this internal volume resides. |
| storageIP | varchar(255) | false | IP of the storage where this internal volume resides. |
| type | varchar(255) | true | internal volume type. |
| virtualStorage | varchar(255) | true | Specifies VirtualStorage(e.g.vFiler) |

| Column | Type | Nullable | Description |
|----------------------------------|--------------|----------|--|
| spaceGuarantee | varchar(255) | true | internal volume space guarantee. |
| thinProvisioningSupported | char(1) | true | is thin provisioning supported for the internal volume. |
| thinProvisioned | char(1) | true | is the internal volume thin provisioned. |
| uuid | varchar(255) | true | UUID of the internal volume. |
| url | varchar(255) | true | Url to this internal volume in Insight Server. |
| id | int(11) | true | GUID of the internal volume in dwh_inventory.internal_volume |
| latest | char(1) | true | Indicates whether this row is the latest one for this internal volume. |
| dateTk | int(11) | true | <p>TK of the date in which this internal volume row was created.</p> <p>References:</p> <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.internal_volume_hourly_performance_fact

The performance data for internal volumes.

| Column | Type | Nullable | Description |
|-----------|------------|----------|-----------------|
| tk | bigint(20) | false | TK of the fact. |

| Column | Type | Nullabl e | Description |
|-------------------------|---------|--------------|---|
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none">• tk in dwh_performance.time_dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none">• tk in dwh_performance.date_dimension |
| internalVolumeTk | int(11) | false | TK of the internal volume for performance numbers (if found). References: <ul style="list-style-type: none">• tk in dwh_performance.internal_volume_dimension |
| storageTk | int(11) | false | TK of the storage for performance numbers. References: <ul style="list-style-type: none">• tk in dwh_performance.storage_dimension |
| virtualStorageTk | int(11) | false | TK of the frontend array in case the capacity is on a backend array. Otherwise, the value is N/A. References: <ul style="list-style-type: none">• tk in dwh_performance.storage_dimension |
| storageNodeTk | int(11) | false | TK of the storage node. References: |

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|--|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.storage_node_dimension |
| storagePoolTk | int(11) | true | TK of the storage pool for performance numbers (if found). References: <ul style="list-style-type: none"> tk in dwh_performance.storage_pool_dimension |
| applicationTk | int(11) | false | TK of the application representative. References: <ul style="list-style-type: none"> tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none"> tk in dwh_performance.application_group_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: |

| Column | Type | Nullabl e | Description |
|-----------------------------|------------|--------------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.service_level_dimension |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none"> tk in dwh_performance.business_entity_dimension |
| readResponseTime | double | true | Read response time. |
| writeResponseTime | double | true | Write response time |
| totalResponseTime | double | true | The total response time. |
| totalResponseTimeMax | double | true | The maximum for response time. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| writePending | bigint(20) | true | Number of pending writes. |

| Column | Type | Nullabl e | Description |
|--------------------------|------------|--------------|--|
| readIoDensity | double | true | Read io density. |
| writeIoDensity | double | true | Write io density. |
| totalIoDensity | double | true | Total io density. |
| totalIoDensityMax | double | true | The maximun total io density. |
| accessed | int(11) | true | Is internal volume accessed? |
| frontend | char(1) | false | Is internal volume frontend? |
| backend | char(1) | false | Is internal volume backend? |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.port_dimension

| Column | Type | Nullable | Description |
|--------------------|--------------|----------|---|
| tk | int(11) | false | TK of this port row. |
| wwn | varchar(255) | false | WWN of the port. |
| name | varchar(255) | false | Name of the port. |
| gbicType | varchar(255) | true | Type of GBIC (Gigabit Interface Converter) used for the port. |
| type | varchar(255) | true | Port type, typically used to identify the protocol used to communicate with the other device, taken from the device itself: F-port, E-port, and so forth. |
| speed | varchar(12) | true | Speed of the port, in Gbps. |
| isGenerated | char(1) | false | Indication whether this is a generated wwn (if we do not know the real wwn). |

| Column | Type | Nullable | Description |
|---------------|--------------|----------|--|
| url | varchar(255) | true | Url to this port in Insight Server. |
| id | int(11) | true | GUID of the port in dwh_inventory.switch_port. |
| latest | char(1) | true | Indicates whether this row is the latest one for this port. |
| dateTk | int(11) | true | TK of the date in which the port row was created. References: <ul style="list-style-type: none"> • tk in dwh_performance.date dimension |

dwh_performance.qtree_daily_performance_fact

The daily performance data for qtrees.

| Column | Type | Nullable | Description |
|------------------|---------|----------|---|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.date dimension |
| qtreeTk | int(11) | false | TK of the qtree for performance counters. References: <ul style="list-style-type: none"> • tk in dwh_performance.qtree dimension |
| storageTk | int(11) | false | TK of the qtree storage for performance counters. References: <ul style="list-style-type: none"> • tk in dwh_performance.storage dimension |

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|--|
| storagePoolTk | int(11) | false | TK of the qtree storage pool for performance counters. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_pool_dimension |
| internalVolumeTk | int(11) | false | TK of the qtree internal volume for performance counters. References: <ul style="list-style-type: none"> tk in dwh_performance.internal_volume_dimension |
| virtualStorageTk | int(11) | false | TK of the frontend array in case this qtree is on virtual internal volume. Otherwise, the value is N/A. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_performance.service_level_dimension |
| applicationTk | int(11) | false | TK of the application. References: |

| Column | Type | Nullable | Description |
|--------------------|------------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none"> tk in dwh_performance.application_group_dimension |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none"> tk in dwh_performance.business_entity_dimension |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.qtree_dimension

| Column | Type | Nullable | Description |
|------------|--------------|----------|--------------------------|
| tk | int(11) | false | TK of this qtree row. |
| name | varchar(255) | false | Name of the qtree. |
| identifier | varchar(768) | false | Identifier of the qtree. |

| Column | Type | Nullabl e | Description |
|--------------------------|-----------------------------|--------------|---|
| storageIdentifier | varchar(768) | false | Identifer of the storage where this qtree resides. |
| type | enum('DEFAULT', 'EXPLICIT') | false | Qtree type. |
| url | varchar(255) | true | Url to this qtree in Insight Server. |
| id | int(11) | true | GUID of the qtree in dwh_inventory.qtree |
| latest | char(1) | true | Indicates whether this row is the latest one for this qtree. |
| dateTk | int(11) | true | <p>TK of the date in which this qtree row was created.</p> <p>References:</p> <ul style="list-style-type: none"> • tk in dwh_performance.date_dimension |

dwh_performance.qtree_hourly_performance_fact

The hourly performance data for qtrees.

| Column | Type | Nullabl e | Description |
|---------------|------------|--------------|---|
| tk | bigint(20) | false | TK of the fact. |
| timeTk | int(11) | false | <p>TK of the time dimension.</p> <p>References:</p> <ul style="list-style-type: none"> • tk in dwh_performance.time_dimension |

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|--|
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| qtreeTk | int(11) | false | TK of the qtree for performance counters. References: <ul style="list-style-type: none"> tk in dwh_performance.qtree_dimension |
| storageTk | int(11) | false | TK of the qtree storage for performance counters. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| storagePoolTk | int(11) | false | TK of the qtree storage pool for performance counters. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_pool_dimension |
| internalVolumeTk | int(11) | false | TK of the qtree internal volume for performance counters. References: <ul style="list-style-type: none"> tk in dwh_performance.internal_volume_dimension |
| virtualStorageTk | int(11) | false | TK of the frontend array in case this qtree is on virtual internal volume. Otherwise, the value is N/A. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|--|
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none">tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none">tk in dwh_performance.service_level_dimension |
| applicationTk | int(11) | false | TK of the application. References: <ul style="list-style-type: none">tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none">tk in dwh_performance.application_group_dimension |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none">tk in dwh_performance.business_entity_dimension |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |

| Column | Type | Nullable | Description |
|------------------|------------|----------|--|
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.service_level_dimension

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|--|
| tk | int(11) | false | TK of this service level row. |
| name | varchar(255) | false | Identifying name for the service level. |
| sequence | int(11) | true | Sequential number of the service level as defined in dwh_inventory.annotation_value. |
| cost | double | true | Cost associated with this service level. |
| id | int(11) | true | GUID of the service level in dwh_inventory.annotation_value. |
| latest | char(1) | true | Indicates whether this row is the latest one for this service level. |
| dateTk | int(11) | true | TK of the date in which this service level row was created. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.storage_dimension

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|-------------------------------|
| tk | int(11) | false | TK of this storage array row. |
| name | varchar(255) | false | Name of the storage array. |
| identifier | varchar(768) | false | Identifier of the device. |

| Column | Type | Nullable | Description |
|-------------------------|--------------|----------|--|
| ip | varchar(255) | false | IP address of the storage array. |
| model | varchar(255) | false | Model of the storage array. |
| manufacturer | varchar(255) | false | Manufacturer of the storage array. |
| serialNumber | varchar(255) | true | Serial number for the storage array. |
| microcodeVersion | varchar(255) | true | Version of the firmware running on the storage array. |
| family | varchar(255) | false | Family name of the storage array (e.g. Clariion, Symmetrix etc). |
| url | varchar(255) | true | Url to this storage in Insight Server. |
| id | int(11) | true | GUID of the storage array in dwh_inventory.storage. |
| latest | char(1) | true | Indicates whether this row is the latest one for this storage. |
| dateTk | int(11) | true | TK of the date in which this stroage array row was created. References: <ul style="list-style-type: none"> tk in dwh_performance.date dimension |
| dataCenter | varchar(255) | true | dataCenter annotation value assigned to dwh_dimensions.storage_dimension |

dwh_performance.storage_node_daily_performance_fact

The performance daily data for storage node performance.

| Column | Type | Nullabl e | Description |
|-----------|---------|--------------|-----------------|
| tk | int(11) | false | TK of the fact. |

| Column | Type | Nullabl e | Description |
|-----------------------------|---------|--------------|---|
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| storageTk | int(11) | false | TK of the storage. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| storageNodeTk | int(11) | false | TK of the storage node. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_node_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| readResponseTime | double | true | Read response time. |
| writeResponseTime | double | true | Write response time. |
| totalResponseTime | double | true | Total response time. |
| totalResponseTimeMax | double | true | Total max response time. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |

| Column | Type | Nullabl e | Description |
|---------------------------|------------|--------------|---|
| totalThroughputMax | double | true | The maximum total throughput. |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| diskReadsReplaced | double | true | Disk read replaced. |
| cacheHitRatio | double | true | Cache hit ration. |
| utilization | double | true | Utilization (%) |
| utilizationMax | double | true | Max utilization (%) |
| portUtilization | double | true | [Deprecated] Port utilization (%) |
| portErrors | bigint(20) | true | [Deprecated] Port errors. |
| portTraffic | double | true | [Deprecated] Port traffic. |
| accessed | int(11) | true | Is storage node accessed? |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.storage_node_dimension

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|---------------------------------|
| tk | int(11) | false | TK of this storage node row. |
| name | varchar(255) | false | Name of the storage node. |
| identifier | varchar(768) | false | Identifier of the storage node. |

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| version | varchar(255) | false | Version of the storage node. |
| model | varchar(255) | false | Model of the storage node. |
| serialNumber | varchar(255) | false | SerialNumber of the storage node. |
| url | varchar(255) | true | Url to this storage node in Insight Server. |
| id | int(11) | true | GUID of the storage node in dwh_inventory.storage_node |
| latest | char(1) | true | Indicates whether this row is the latest one for this storage node. |
| dateTk | int(11) | true | TK of the date in which this storage node row was created. References: <ul style="list-style-type: none"> • tk in dwh_performance.date_dimension |

dwh_performance.storage_node_hourly_performance_fact

The performance hourly data for storage node performance.

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.time_dimension |
| dateTk | int(11) | false | TK of the date dimension. References: |

| Column | Type | Nullabl e | Description |
|-----------------------------|---------|--------------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| storageTk | int(11) | false | TK of the storage. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| storageNodeTk | int(11) | false | TK of the storage node. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_node_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| readResponseTime | double | true | Read response time. |
| writeResponseTime | double | true | Write response time. |
| totalResponseTime | double | true | Total response time. |
| totalResponseTimeMax | double | true | Total max response time. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |

| Column | Type | Nullabl e | Description |
|--------------------------|------------|--------------|---|
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| diskReadsReplaced | double | true | Disk read replaced. |
| cacheHitRatio | double | true | Cache hit ration. |
| utilization | double | true | Utilization (%) |
| utilizationMax | double | true | Max utilization (%) |
| portUtilization | double | true | [Deprecated] Port utilization (%) |
| portErrors | bigint(20) | true | [Deprecated] Port errors. |
| portTraffic | double | true | [Deprecated] Port traffic. |
| accessed | int(11) | true | Is storage node accessed? |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.storage_pool_dimension

| Column | Type | Nullabl e | Description |
|-------------------|--------------|--------------|------------------------------|
| tk | int(11) | false | TK of this storage pool row. |
| identifier | varchar(768) | false | Identifier of the device. |

| Column | Type | Nullable | Description |
|----------------------------------|--------------|----------|--|
| name | varchar(255) | false | Name of the storage pool. |
| storageName | varchar(255) | false | Name of the storage where this storage pool resides. |
| storageIP | varchar(255) | false | IP of the storage where this storage pool resides. |
| type | varchar(255) | true | Storage pool type (e.g., RAID, AGGREGATE, etc.). |
| redundancy | varchar(255) | true | Storage pool redundancy. |
| thinProvisioningSupported | char(1) | true | Indicates whether thin provisioning is supported by the storage pool. |
| isVirtual | char(1) | true | Virtual indicates this is a frontend storage pool in array virtualization. |
| usesFlashPools | char(1) | false | Indicates whether this storage pool uses flash pools. |
| url | varchar(255) | true | Url to this storage pool in Insight Server. |
| id | int(11) | true | GUID of the storage pool in dwh_inventory.storage_pool |
| latest | char(1) | true | Indicates whether this row is the latest one for this storage pool. |
| dateTk | int(11) | true | TK of the date in which this storage pool row was created. References: |

| Column | Type | Nullabl e | Description |
|--------|------|--------------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.date_dime nsion |

dwh_performance.switch_dimension

| Column | Type | Nullabl e | Description |
|------------------|--------------|--------------|---|
| tk | int(11) | false | TK of this switch row. |
| wwn | varchar(255) | false | WWN of the switch. |
| name | varchar(255) | false | Name of the switch. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | IP address of the switch. |
| model | varchar(255) | false | Model of the switch. |
| manufacturer | varchar(255) | true | Manufacturer of the switch. |
| firmware | varchar(255) | true | Firmware version running on the switch. |
| serialNumbe r | varchar(255) | true | Serial number of the switch. |
| npv | char(1) | false | Indication whether this is an NPV switch. |
| isGenerated | char(1) | false | Indication whether this switch does not correspond to a physical device. It is used to model one to many port connectivity. |

| Column | Type | Nullabl e | Description |
|--------------------|---|--------------|--|
| type | enum('CHASSIS', 'FABRIC_LOGICAL', 'FABRIC_PHYSICAL', 'NPV_CHASSIS', 'NPV_LOGICAL', 'NPV_PHYSICAL', 'NPV_HUB') | true | Switch type. |
| url | varchar(255) | true | Url to this switch in Insight Server. |
| id | int(11) | true | GUID of the switch in dwh_inventory.switch. |
| latest | char(1) | true | Indicates whether this row is the latest one for this switch. |
| dateTk | int(11) | true | TK of the date in which this switch row was created. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| dataCenter | varchar(255) | true | dataCenter annotation value assigned to dwh_dimensions.switch_dimension |
| switchLevel | varchar(255) | true | switchLevel annotation value assigned to dwh_dimensions.switch_dimension |

dwh_performance.switch_performance_for_host_hourly_fact

The performance hourly data for host using port performance.

| Column | Type | Nullable | Description |
|---------------------------|------------|----------|--|
| tk | bigint(20) | false | TK of the fact. |
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.time_dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.date_dimension |
| hostTk | int(11) | false | TK of the host. References: <ul style="list-style-type: none"> • tk in dwh_performance.host_dimension |
| applicationTk | int(11) | false | TK of the representative application dimension for host. References: <ul style="list-style-type: none"> • tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.application_group_dimension |
| businessEntityTk | int(11) | false | TK of the business entity dimension. References: |

| Column | Type | Nullable | Description |
|---------------------------|------------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.business_entity_dimension |
| rxTraffic | double | true | Receiving traffic (MB) |
| txTraffic | double | true | Transmitting traffic (MB) |
| totalTraffic | double | true | Total traffic (MB) |
| errorRateFlag | char(1) | true | Error rate flag |
| crcErrorRateFlag | char(1) | true | CRC error rate flag |
| syncLossCount | bigint(20) | true | Synchronization loss count |
| signalLossCount | bigint(20) | true | Signal loss count |
| class3DiscardCount | bigint(20) | true | Class 3 discard count |
| frameTooShortCount | bigint(20) | true | Frame too short count |
| frameTooLongCount | bigint(20) | true | Frame too long count |
| bbCreditErrorCount | bigint(20) | true | BB Credit error count |
| rx | double | true | Receive usage (%) |
| tx | double | true | Transmit usage (%) |
| rxMax | double | true | Max receive usage (%) |
| txMax | double | true | Max transmit usage (%) |

| Column | Type | Nullable | Description |
|-----------------------------------|-------------|----------|--|
| trafficUtilizationTotal | double | true | Total traffic usage (%) |
| trafficUtilizationTotalMax | double | true | The maximum total traffic usage (%) |
| rxLinkResets | bigint(20) | true | Receive link resets |
| txLinkResets | bigint(20) | true | Transfer link resets |
| balanceIndex | smallint(6) | true | The host port balance index |
| weightedBalanceIndex | smallint(6) | true | The host port weighted balance index |
| portSpeed | int(11) | false | The port speed for fact |
| portCount | int(11) | false | The port count for fact |
| portErrorsLinkFailure | bigint(20) | true | Link failures count |
| bbCreditZeroRx | bigint(20) | true | Receive BBCredit zero |
| bbCreditZeroTx | bigint(20) | true | Transfer BBCredit zero |
| bbCreditZeroMsTx | double | true | [Deprecated] Transfer BBCredit zero Ms |
| bbCreditZeroTotal | bigint(20) | true | Total BBCredit zero |
| trafficRateTx | double | true | Transfer traffic rate |
| trafficRateRx | double | true | Receive traffic rate |

| Column | Type | Nullable | Description |
|-----------------------------------|------------|----------|-------------------------------------|
| trafficRateTotal | double | true | Total traffic rate |
| trafficFrameRateTx | double | true | Transfer traffic frame rate |
| trafficFrameRateRx | double | true | Receive traffic frame rate |
| trafficFrameRateTotal | double | true | Total traffic frame rate |
| trafficFrameSizeAvgTx | bigint(20) | true | Transfer traffic frame average size |
| trafficFrameSizeAvgRx | bigint(20) | true | Receive traffic frame average size |
| portErrorsTimeoutDiscardTx | bigint(20) | true | Transfer Timeout discard count |
| portErrorsCrc | bigint(20) | true | CRC errors count |
| portErrorsEncIn | bigint(20) | true | Encoding errors inside frames |
| portErrorsEncOut | bigint(20) | true | Encoding errors outside of frames |

dwh_performance.switch_performance_for_port_hourly_fact

The performance hourly data for switch ports.

| Column | Type | Nullable | Description |
|---------------|------------|----------|--|
| tk | bigint(20) | false | TK of the fact. |
| timeTk | int(11) | false | TK of the time dimension. References: |

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.time_dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| portTk | int(11) | false | TK of the port. References: <ul style="list-style-type: none"> tk in dwh_performance.port_dimension |
| switchTk | int(11) | false | TK of the switch. References: <ul style="list-style-type: none"> tk in dwh_performance.switch_dimension |
| fabricTk | int(11) | false | TK of the fabric. References: <ul style="list-style-type: none"> tk in dwh_performance.fabric_dimension |
| connectedDeviceTk | int(11) | false | TK of connected device. References: |

| Column | Type | Nullable | Description |
|---------------------------|--|----------|--|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.connected_device dimension |
| connectivityType | enum('Storage', 'Host', 'ISL', 'Free', 'Generic', 'Tape', 'N/A') | false | Type of the connected device. |
| isl | char(1) | false | Is this port an ISL port? |
| rxTraffic | double | true | Receiving traffic (MB) |
| txTraffic | double | true | Transmitting traffic (MB) |
| totalTraffic | double | true | Total traffic (MB) |
| errorRateFlag | char(1) | true | Error rate flag |
| crcErrorRateFlag | char(1) | true | CRC error rate flag |
| syncLossCount | bigint(20) | true | Synchronization loss count |
| signalLossCount | bigint(20) | true | Signal loss count |
| class3DiscardCount | bigint(20) | true | Class 3 discard count |
| frameTooShortCount | bigint(20) | true | Frame too short count |
| frameTooLongCount | bigint(20) | true | Frame too long count |
| bbCreditErrorCount | bigint(20) | true | BB Credit error count |
| rx | double | true | Receive usage (%) |
| tx | double | true | Transmit usage (%) |
| rxMax | double | true | Max receive usage (%) |

| Column | Type | Nullable | Description |
|-----------------------------------|------------|----------|--|
| txMax | double | true | Max transmit usage (%) |
| trafficUtilizationTotal | double | true | Total traffic usage (%) |
| trafficUtilizationTotalMax | double | true | The maximum total traffic usage (%) |
| rxLinkResets | bigint(20) | true | Receive link resets |
| txLinkResets | bigint(20) | true | Transfer link resets |
| portErrorsLinkFailure | bigint(20) | true | Link failures count |
| bbCreditZeroRx | bigint(20) | true | Receive BBCredit zero |
| bbCreditZeroTx | bigint(20) | true | Transfer BBCredit zero |
| bbCreditZeroMsTx | double | true | [Deprecated] Transfer BBCredit zero Ms |
| bbCreditZeroTotal | bigint(20) | true | Total BBCredit zero |
| trafficRateTx | double | true | Transfer traffic rate |
| trafficRateRx | double | true | Receive traffic rate |
| trafficRateTotal | double | true | Total traffic rate |
| trafficFrameRateTx | double | true | Transfer traffic frame rate |
| trafficFrameRateRx | double | true | Receive traffic frame rate |
| trafficFrameRateTotal | double | true | Total traffic frame rate |
| trafficFrameSizeAvgTx | bigint(20) | true | Transfer traffic frame average size |
| trafficFrameSizeAvgRx | bigint(20) | true | Receive traffic frame average size |

| Column | Type | Nullable | Description |
|---|------------|----------|--|
| <code>portErrorsTimeoutDiscardTx</code> | bigint(20) | true | Transfer Timeout discard count |
| <code>portErrorsCrc</code> | bigint(20) | true | CRC errors count |
| <code>portErrorsEncIn</code> | bigint(20) | true | Encoding errors inside frames |
| <code>portErrorsEncOut</code> | bigint(20) | true | Encoding errors outside of frames |
| <code>timestamp</code> | bigint(20) | false | fact start timestamp, for partitioning |

[dwh_performance.switch_performance_for_storage_hourly_fact](#)

The storage port performance hourly data.

| Column | Type | Nullable | Description |
|------------------------|------------|----------|--|
| <code>tk</code> | bigint(20) | false | TK of the fact. |
| <code>timeTk</code> | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none"> <code>tk</code> in dwh_performance.time_dimension |
| <code>dateTk</code> | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> <code>tk</code> in dwh_performance.date_dimension |
| <code>storageTk</code> | int(11) | false | TK of the storage. References: |

| Column | Type | Nullable | Description |
|---------------------------|------------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| rxTraffic | double | true | Receiving traffic (MB) |
| txTraffic | double | true | Transmitting traffic (MB) |
| totalTraffic | double | true | Total traffic (MB) |
| errorRateFlag | char(1) | true | Error rate flag |
| crcErrorRateFlag | char(1) | true | CRC error rate flag |
| syncLossCount | bigint(20) | true | Synchronization loss count |
| signalLossCount | bigint(20) | true | Signal loss count |
| class3DiscardCount | bigint(20) | true | Class 3 discard count |
| frameTooShortCount | bigint(20) | true | Frame too short count |
| frameTooLongCount | bigint(20) | true | Frame too long count |
| bbCreditErrorCount | bigint(20) | true | BB Credit error count |
| rx | double | true | Receive usage (%) |
| tx | double | true | Transmit usage (%) |
| rxMax | double | true | Max receive usage (%) |
| txMax | double | true | Max transmit usage (%) |

| Column | Type | Nullable | Description |
|-----------------------------------|-------------|----------|--|
| trafficUtilizationTotal | double | true | Total traffic usage (%) |
| trafficUtilizationTotalMax | double | true | The maximum total traffic usage (%) |
| rxLinkResets | bigint(20) | true | Receive link resets |
| txLinkResets | bigint(20) | true | Transfer link resets |
| balanceIndex | smallint(6) | true | The host port balance index |
| weightedBalanceIndex | smallint(6) | true | The host port weighted balance index |
| portSpeed | int(11) | false | The port speed for fact |
| portCount | int(11) | false | The port count for fact |
| portErrorsLinkFailure | bigint(20) | true | Link failures count |
| bbCreditZeroRx | bigint(20) | true | Receive BBCredit zero |
| bbCreditZeroTx | bigint(20) | true | Transfer BBCredit zero |
| bbCreditZeroMsTx | double | true | [Deprecated] Transfer BBCredit zero Ms |
| bbCreditZeroTotal | bigint(20) | true | Total BBCredit zero |
| trafficRateTx | double | true | Transfer traffic rate |
| trafficRateRx | double | true | Receive traffic rate |

| Column | Type | Nullabl e | Description |
|-----------------------------------|----------------|--------------|-------------------------------------|
| trafficRateTotal | double | true | Total traffic rate |
| trafficFrameRateTx | double | true | Transfer traffic frame rate |
| trafficFrameRateRx | double | true | Receive traffic frame rate |
| trafficFrameRateTotal | double | true | Total traffic frame rate |
| trafficFrameSizeAvgTx | bigint(20) | true | Transfer traffic frame average size |
| trafficFrameSizeAvgRx | bigint(20) | true | Receive traffic frame average size |
| portErrorsTimeoutDiscardTx | bigint(20) | true | Transfer Timeout discard count |
| portErrorsCrc | bigint(20) | true | CRC errors count |
| portErrorsEncIn | bigint(20) | true | Encoding errors inside frames |
| portErrorsEncOut | bigint(20) | true | Encoding errors outside of frames |

dwh_performance.switch_performance_for_tape_hourly_fact

The tape port performance hourly data.

| Column | Type | Nullabl e | Description |
|---------------|------------|--------------|--|
| tk | bigint(20) | false | TK of the fact. |
| timeTk | int(11) | false | TK of the time dimension. References: |

| Column | Type | Nullable | Description |
|--------------------|------------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.time dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date dimension |
| tapeTk | int(11) | false | TK of the tape. References: <ul style="list-style-type: none"> tk in dwh_performance.tape dimension |
| rxTraffic | double | true | Receiving traffic (MB) |
| txTraffic | double | true | Transmitting traffic (MB) |
| totalTraffic | double | true | Total traffic (MB) |
| errorRateFlag | char(1) | true | Error rate flag |
| crcErrorRateFlag | char(1) | true | CRC error rate flag |
| syncLossCount | bigint(20) | true | Synchronization loss count |
| signalLossCount | bigint(20) | true | Signal loss count |
| class3DiscardCount | bigint(20) | true | Class 3 discard count |
| frameTooShortCount | bigint(20) | true | Frame too short count |
| frameTooLongCount | bigint(20) | true | Frame too long count |
| bbCreditErrorCount | bigint(20) | true | BB Credit error count |

| Column | Type | Nullabl e | Description |
|--|-------------|--------------|--|
| rx | double | true | Receive usage (%) |
| tx | double | true | Transmit usage (%) |
| rxMax | double | true | Max receive usage (%) |
| txMax | double | true | Max transmit usage (%) |
| trafficUtilizationTotal | double | true | Total traffic usage (%) |
| trafficUtilizationTotal Max | double | true | The maximum total traffic usage (%) |
| rxLinkResets | bigint(20) | true | Receive link resets |
| txLinkResets | bigint(20) | true | Transfer link resets |
| balanceIndex | smallint(6) | true | The host port balance index |
| weightedBalanceIndex | smallint(6) | true | The host port weighted balance index |
| portSpeed | int(11) | false | The port speed for fact |
| portCount | int(11) | false | The port count for fact |
| portErrorsLinkFailure | bigint(20) | true | Link failures count |
| bbCreditZeroRx | bigint(20) | true | Receive BBCredit zero |
| bbCreditZeroTx | bigint(20) | true | Transfer BBCredit zero |
| bbCreditZeroMsTx | double | true | [Deprecated] Transfer BBCredit zero Ms |
| bbCreditZeroTotal | bigint(20) | true | Total BBCredit zero |
| trafficRateTx | double | true | Transfer traffic rate |
| trafficRateRx | double | true | Receive traffic rate |
| trafficRateTotal | double | true | Total traffic rate |

| Column | Type | Nullabl e | Description |
|-----------------------------------|------------|--------------|-------------------------------------|
| trafficFrameRateTx | double | true | Transfer traffic frame rate |
| trafficFrameRateRx | double | true | Receive traffic frame rate |
| trafficFrameRateTotal | double | true | Total traffic frame rate |
| trafficFrameSizeAvgTx | bigint(20) | true | Transfer traffic frame average size |
| trafficFrameSizeAvgRx | bigint(20) | true | Receive traffic frame average size |
| portErrorsTimeoutDiscardTx | bigint(20) | true | Transfer Timeout discard count |
| portErrorsCrc | bigint(20) | true | CRC errors count |
| portErrorsEncIn | bigint(20) | true | Encoding errors inside frames |
| portErrorsEncOut | bigint(20) | true | Encoding errors outside of frames |

dwh_performance.tape_dimension

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|---|
| tk | int(11) | false | TK of this tape row. |
| name | varchar(255) | false | Name of the tape. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | IP address of the tape. |
| manufacturer | varchar(255) | true | Manufacturer of the tape. |
| serialNumber | varchar(255) | true | Serial number for the tape. |
| id | int(11) | true | GUID of the tape in dwh_inventory.tape. |
| latest | char(1) | true | Indicates whether this row is the latest one for this tape. |

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| dateTk | int(11) | true | TK of the date in which this tape row was created. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.tier_dimension

| Column | Type | Nullable | Description |
|-----------------|--------------|----------|--|
| tk | int(11) | false | TK of this tier row. |
| name | varchar(255) | false | Identifying name for the tier. |
| sequence | int(11) | true | Sequential number of the tier as defined in dwh_inventory.annotation_value. |
| cost | double | true | Cost associated with this tier. |
| id | int(11) | true | GUID of the tier in dwh_inventory.annotation_value. |
| latest | char(1) | true | Indicates whether this row is the latest one for this tier. |
| dateTk | int(11) | true | TK of the date in which this tier row was created. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.time_dimension

Time dimension for performance fact tables.

| Column | Type | Nullable | Description |
|-----------|---------|----------|---------------------------|
| tk | int(11) | false | TK of the time dimension. |

| Column | Type | Nullable | Description |
|---------------------|--------------|----------|--|
| hourDateTime | datetime | false | The full date + hour representation for this dimension (minutes and seconds zeroed out) |
| hour | tinyint(4) | false | Hour in day, 24 hour format |
| minute | tinyint(4) | false | Minute in hour |
| second | tinyint(4) | false | Second in minute |
| microsecond | mediumint(9) | false | Microseconds in second |
| dateTk | int(11) | false | TK for the related date dimension day representative (if any) References: <ul style="list-style-type: none"> • tk in dwh_performance.date_dimension |

dwh_performance.vm_daily_performance_fact

The performance daily data for vm performance.

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.date_dimension |
| hostTk | int(11) | false | TK of the host. References: <ul style="list-style-type: none"> • tk in dwh_performance.host_dimension |

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|---|
| vmTk | int(11) | false | TK of the vm. References: <ul style="list-style-type: none">tk in dwh_performance.vm_dimension |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none">tk in dwh_performance.business_entity_dimension |
| applicationTk | int(11) | false | TK of the application representative. References: <ul style="list-style-type: none">tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none">tk in dwh_performance.application_group_dimension |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |

| Column | Type | Nullable | Description |
|----------------------------------|--------|----------|--|
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readResponseTime | double | true | Read response time. |
| writeResponseTime | double | true | Write response time. |
| totalResponseTime | double | true | Total response time. |
| totalResponseTimeMax | double | true | Total max response time. |
| ipReceiveThroughput | double | true | Ip Receive Throughput. |
| ipTransmitThroughput | double | true | Ip Transmit Throughput. |
| ipTotalThroughput | double | true | Ip Total Throughput. |
| ipTotalThroughputMax | double | true | The maximum ip Total Throughput. |
| cpuUtilization | double | true | CPU utilization (%) |
| maxOfAvgCpuUtilization | double | true | MAX CPU utilization (%) |
| memoryUtilization | double | true | Memory utilization (%) |
| maxOfAvgMemoryUtilization | double | true | MAX Memory utilization (%) |
| swapInRate | double | true | Swap in rate |
| maxOfAvgSwapInRate | double | true | Max swap in rate |
| swapOutRate | double | true | Swap out rate |
| maxOfAvgSwapOutRate | double | true | Max swap out rate |
| swapTotalRate | double | true | Total swap rate |
| swapTotalRateMax | double | true | The maximum total swap rate |

| Column | Type | Nullable | Description |
|-------------------|------------|----------|--|
| processors | int(11) | true | Number of processors of the virtual machine. |
| memory | bigint(20) | true | Memory of the virtual machine, in MB. |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.vm_dimension

| Column | Type | Nullable | Description |
|------------------------|---------------|----------|--|
| tk | int(11) | false | TK of this virtual machine row. |
| name | varchar(255) | false | Name of the virtual machine. |
| naturalKey | varchar(768) | false | Natural identifier of the virtual machine. |
| os | varchar(255) | true | Guest operating system. |
| virtualCenterIp | varchar(255) | true | IP address of virtual center of the virtual machine. |
| ips | varchar(4096) | true | Comma separated list of IP addresses of the virtual machine. |
| url | varchar(255) | true | Url to this virtual machine in Insight Server. |
| id | int(11) | true | GUID of the virtual machine in dwh_inventory.hv_virtual_machine |
| latest | char(1) | true | Indicates whether this row is the latest one for this virtual machine. |
| dateTk | int(11) | true | TK of the date in which this virtual machine row was created. References: |

| Column | Type | Nullable | Description |
|--------|------|----------|--|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.vm_hourly_performance_fact

The performance hourly data for vm performance.

| Column | Type | Nullable | Description |
|--------|------------|----------|---|
| tk | bigint(20) | false | TK of the fact. |
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.time_dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| hostTk | int(11) | false | TK of the host. References: <ul style="list-style-type: none"> tk in dwh_performance.host_dimension |
| vmTk | int(11) | false | TK of the vm. References: <ul style="list-style-type: none"> tk in dwh_performance.vm_dimension |

| Column | Type | Nullabl e | Description |
|---------------------------|---------|--------------|---|
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none">tk in dwh_performance.business_entity_dimension |
| applicationTk | int(11) | false | TK of the application representative. References: <ul style="list-style-type: none">tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none">tk in dwh_performance.application_group_dimension |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readResponseTime | double | true | Read response time. |

| Column | Type | Nullabl e | Description |
|----------------------------------|----------------|--------------|--|
| writeResponseTime | double | true | Write response time. |
| totalResponseTime | double | true | Total response time. |
| totalResponseTime Max | double | true | Total max response time. |
| ipReceiveThroughp ut | double | true | Ip Receive Throughput. |
| ipTransmitThrough put | double | true | Ip Transmit Throughput. |
| ipTotalThroughput | double | true | Ip Total Throughput. |
| ipTotalThroughput Max | double | true | The maximum ip Total Throughput. |
| cpuUtilization | double | true | CPU utilization (%) |
| memoryUtilization | double | true | Memory utilization (%) |
| swapInRate | double | true | Swap in rate |
| swapOutRate | double | true | Swap out rate |
| swapTotalRate | double | true | Total swap rate |
| swapTotalRateMax | double | true | The maximum total swap rate |
| processors | int(11) | true | Number of processors of the virtual machine. |
| memory | bigint(2 0) | true | Memory of the virtual machine, in MB. |
| timestamp | bigint(2 0) | false | fact start timestamp, for partitioning |

dwh_performance.vmdk_daily_performance_fact

The performance daily data for vmdk performance.

| Column | Type | Nullable | Description |
|--------------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none">tk in dwh_performance.date_dimension |
| vmdkTk | int(11) | false | TK of the virtual disk. References: <ul style="list-style-type: none">tk in dwh_performance.vmdk_dimension |
| dataStoreTk | int(11) | false | TK of the datastore. References: <ul style="list-style-type: none">tk in dwh_performance.datastore_dimension |
| vmTk | int(11) | false | TK of the vm. References: <ul style="list-style-type: none">tk in dwh_performance.vm_dimension |
| hostTk | int(11) | false | TK of the host. References: <ul style="list-style-type: none">tk in dwh_performance.host_dimension |
| tierTk | int(11) | false | TK of the tier. References: |

| Column | Type | Nullabl e | Description |
|-----------------------------|---------|--------------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_performance.service_level_dimension |
| storageTk | int(11) | false | TK of the storage. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readResponseTime | double | true | Read response time. |
| writeResponseTime | double | true | Write response time. |
| totalResponseTime | double | true | Total response time. |
| totalResponseTimeMax | double | true | Total max response time. |

| Column | Type | Nullable | Description |
|------------------|------------|----------|--|
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.vmdk_dimension

| Column | Type | Nullable | Description |
|-------------------|--------------|----------|---|
| tk | int(11) | false | TK of this virtual disk row. |
| naturalKey | varchar(768) | false | Oid of the virtual disk. |
| name | varchar(255) | false | Name of the virtual disk. |
| type | varchar(255) | true | Type of the virtual disk. |
| url | varchar(255) | true | Url to this virtual disk in Insight Server. |
| id | int(11) | true | GUID of the virtual disk in dwh_inventory.hv_virtual_disk |
| latest | char(1) | true | Indicates whether this row is the latest one for this virtual disk. |
| dateTk | int(11) | true | TK of the date in which this virtual disk row was created. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |

dwh_performance.vmdk_hourly_performance_fact

The performance hourly data for vmdk performance.

| Column | Type | Nullable | Description |
|--------------------|------------|----------|---|
| tk | bigint(20) | false | TK of the fact. |
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.time_dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| vmdkTk | int(11) | false | TK of the virtual disk. References: <ul style="list-style-type: none"> tk in dwh_performance.vmdk_dimension |
| dataStoreTk | int(11) | false | TK of the datastore. References: <ul style="list-style-type: none"> tk in dwh_performance.datastore_dimension |
| vmTk | int(11) | false | TK of the vm. References: <ul style="list-style-type: none"> tk in dwh_performance.vm_dimension |
| hostTk | int(11) | false | TK of the host. References: |

| Column | Type | Nullabl e | Description |
|---------------------------|---------|--------------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.host_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_performance.service_level_dimension |
| storageTk | int(11) | false | TK of the storage. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |
| readIops | double | true | Read io per second. |
| writeIops | double | true | Write io per second. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readResponseTime | double | true | Read response time. |

| Column | Type | Nullabl e | Description |
|-----------------------------|------------|--------------|--|
| writeResponseTime | double | true | Write response time. |
| totalResponseTime | double | true | Total response time. |
| totalResponseTimeMax | double | true | Total max response time. |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.volume_daily_performance_fact

The performance daily data for volumes.

| Column | Type | Nullabl e | Description |
|------------------|---------|--------------|---|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> tk in dwh_performance.date_dimension |
| volumeTk | int(11) | false | TK of the volume for performance numbers. References: <ul style="list-style-type: none"> tk in dwh_performance.volume_dimension |
| storageTk | int(11) | false | TK of the storage for performance numbers. References: <ul style="list-style-type: none"> tk in dwh_performance.storage_dimension |

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|---|
| virtualStorageTk | int(11) | false | TK of the frontend array in case the capacity is on a backend array. Otherwise, the value is N/A. References: <ul style="list-style-type: none">tk in dwh_performance.storage_dimension |
| storageNodeTk | int(11) | false | TK of the storage node. References: <ul style="list-style-type: none">tk in dwh_performance.storage_node_dimension |
| storagePoolTk | int(11) | false | TK of the storage pool for performance numbers. References: <ul style="list-style-type: none">tk in dwh_performance.storage_pool_dimension |
| applicationTk | int(11) | false | TK of the application representative. References: <ul style="list-style-type: none">tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none">tk in dwh_performance.application_group_dimension |
| hostTk | int(11) | false | TK of the host representative. References: |

| Column | Type | Nullable | Description |
|----------------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.host_dimension |
| hostGroupTk | int(11) | false | TK of the host group. References: <ul style="list-style-type: none"> tk in dwh_performance.host_group_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_performance.service_level_dimension |
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none"> tk in dwh_performance.business_entity_dimension |
| readResponseTime | double | false | Read response time average. |
| writeResponseTime | double | false | Write response time average. |
| totalResponseTime | double | false | The maximum for average response time. |
| totalResponseTimeMax | double | false | The maximum for response time. |

| Column | Type | Nullable | Description |
|------------------------------|------------|----------|---|
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | false | The maximum total throughput. |
| readIops | double | true | Read io per second average. |
| writeIops | double | true | Write io per second average. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | false | The max io per second. |
| readCacheHitRatio | double | true | The read cache hit ratio. |
| writeCacheHitRatio | double | true | The write cache hit ratio. |
| totalCacheHitRatio | double | true | The total cache hit ratio. |
| totalCacheHitRatioMax | double | true | The maximum total cache hit ratio. |
| writePending | bigint(20) | false | Number of pending writes maximum for day. |
| readIoDensity | double | true | Read io density. |
| writeIoDensity | double | true | Write io density. |
| totalIoDensity | double | true | Total io density. |
| totalIoDensityMax | double | true | The maximum total io density. |
| accessed | int(11) | false | Is volume accessed? |

| Column | Type | Nullable | Description |
|------------------|------------|----------|--|
| frontend | char(1) | false | Is volume frontend? |
| backend | char(1) | false | Is volume backend? |
| timestamp | bigint(20) | false | fact start timestamp, for partitioning |

dwh_performance.volume_dimension

| Column | Type | Nullable | Description |
|--------------------------|--------------------------------|----------|---|
| tk | int(11) | false | TK of this volume row. |
| storageIdentifier | varchar(768) | true | Identifier of the volume storage. |
| name | varchar(255) | false | Name of the volume. |
| label | varchar(255) | true | Label of the volume. |
| thinProvisioned | char(1) | false | Is volume thin provisioned? |
| type | varchar(255) | true | type of the volume. |
| isVirtual | char(1) | true | Is volume a virtual volume? |
| meta | char(1) | true | Is volume a meta volume? |
| snapshot | char(1) | true | Indicates whether this volume is a snapshot volume. |
| technologyType | enum('FC', 'ISCSI', 'UNKNOWN') | true | Specifies the technology type (FC/ISCSI/UNKNOWN). |
| uuid | varchar(255) | true | UUID of the volume. |

| Column | Type | Nullable | Description |
|--------------------|--------------|----------|--|
| isMainframe | char(1) | false | Is Mainframe volume? |
| url | varchar(255) | true | Url to this volume in Insight Server. |
| id | int(11) | true | GUID of the volume in dwh_inventory.volume |
| latest | char(1) | true | Indicates whether this row is the latest one for this volume. |
| dateTk | int(11) | true | TK of the date in which this volume row was created. References: <ul style="list-style-type: none"> • tk in dwh_performance.date dimension |

dwh_performance.volume_hourly_performance_fact

The performance data for volumes.

| Column | Type | Nullable | Description |
|---------------|------------|----------|---|
| tk | bigint(20) | false | TK of the fact. |
| timeTk | int(11) | false | TK of the time dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.time dimension |
| dateTk | int(11) | false | TK of the date dimension. References: <ul style="list-style-type: none"> • tk in dwh_performance.date dimension |

| Column | Type | Nullable | Description |
|-------------------------|---------|----------|---|
| volumeTk | int(11) | false | TK of the volume for performance numbers. References: <ul style="list-style-type: none">tk in dwh_performance.volume_dimension |
| storageTk | int(11) | false | TK of the storage for performance numbers. References: <ul style="list-style-type: none">tk in dwh_performance.storage_dimension |
| virtualStorageTk | int(11) | false | TK of the frontend array in case the capacity is on a backend array. Otherwise, the value is N/A. References: <ul style="list-style-type: none">tk in dwh_performance.storage_dimension |
| storageNodeTk | int(11) | false | TK of the storage node. References: <ul style="list-style-type: none">tk in dwh_performance.storage_node_dimension |
| storagePoolTk | int(11) | false | TK of the storage pool for performance numbers. References: <ul style="list-style-type: none">tk in dwh_performance.storage_pool_dimension |
| applicationTk | int(11) | false | TK of the application representative. References: |

| Column | Type | Nullable | Description |
|---------------------------|---------|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_performance.application_dimension |
| applicationGroupTk | int(11) | false | TK of the application group. References: <ul style="list-style-type: none"> tk in dwh_performance.application_group_dimension |
| hostTk | int(11) | false | TK of the host representative. References: <ul style="list-style-type: none"> tk in dwh_performance.host_dimension |
| hostGroupTk | int(11) | false | TK of the host group. References: <ul style="list-style-type: none"> tk in dwh_performance.host_group_dimension |
| tierTk | int(11) | false | TK of the tier. References: <ul style="list-style-type: none"> tk in dwh_performance.tier_dimension |
| serviceLevelTk | int(11) | false | TK of the service level. References: <ul style="list-style-type: none"> tk in dwh_performance.service_level_dimension |

| Column | Type | Nullable | Description |
|-----------------------------|---------|----------|--|
| businessEntityTk | int(11) | false | TK of the business entity. References: <ul style="list-style-type: none">tk in dwh_performance.business_entity_dimension |
| readResponseTime | double | true | Read response time. |
| writeResponseTime | double | true | Write response time |
| totalResponseTime | double | true | The total response time. |
| totalResponseTimeMax | double | true | The maximum for response time. |
| readThroughput | double | true | Read throughput average. |
| writeThroughput | double | true | Write throughput average. |
| totalThroughput | double | true | Total throughput average (read+write). |
| totalThroughputMax | double | true | The maximum total throughput. |
| readIops | double | true | Read io per second average. |
| writeIops | double | true | Write io per second average. |
| totalIops | double | true | Total io per second average (read+write). |
| totalIopsMax | double | true | The max io per second. |
| readCacheHitRatio | double | true | The read cache hit ratio. |
| writeCacheHitRatio | double | true | The write cache hit ratio. |
| totalCacheHitRatio | double | true | The total cache hit ratio. |

| Column | Type | Nullable | Description |
|------------------------------------|------------|----------|--|
| <code>totalCacheHitRatioMax</code> | double | true | The maximum total cache hit ratio. |
| <code>writePending</code> | bigint(20) | true | Number of pending writes. |
| <code>readIoDensity</code> | double | true | Read io density. |
| <code>writeIoDensity</code> | double | true | Write io density. |
| <code>totalIoDensity</code> | double | true | Total io density. |
| <code>totalIoDensityMax</code> | double | true | The maximum total io density. |
| <code>accessed</code> | int(11) | true | Is volume accessed? |
| <code>frontend</code> | char(1) | false | Is volume frontend? |
| <code>backend</code> | char(1) | false | Is volume backend? |
| <code>timestamp</code> | bigint(20) | false | fact start timestamp, for partitioning |

dwh_ports

dwh_ports.cardinals

| Column | Type | Nullable | Description |
|--------------------|---------|----------|----------------------------|
| <code>digit</code> | int(11) | false | A number between 0 and 99. |

dwh_ports.connected_device_dimension

| Column | Type | Nullable | Description |
|---------------------|--|----------|---|
| tk | int(11) | false | TK of the device. |
| name | varchar(255) | false | Name of the device. |
| manufacturer | varchar(255) | true | Manufacturer of the device. |
| model | varchar(255) | true | Manufacturer's model of the device. |
| type | enum('Host', 'Storage', 'Switch', 'Tape', 'Generic') | true | Type of the device. |
| firmware | varchar(255) | true | Firmware version running on the device. |
| id | int(11) | true | <p>The ID of the device.</p> <p>References:</p> <ul style="list-style-type: none"> • id in dwh_inventory.host • id in dwh_inventory.storage • id in dwh_inventory.switch • id in dwh_inventory.tape • id in dwh_inventory.generic_device |
| latest | char(1) | true | Indicates whether this row is the latest one for this device. |

dwh_ports.date_dimension

| Column | Type | Nullable | Description |
|-----------------|----------|----------|--------------------------|
| tk | int(11) | false | TK of the date object. |
| fullDate | datetime | false | Date of the date object. |

| Column | Type | Nullable | Description |
|-------------------------|-------------|----------|---|
| dayInMonth | tinyint(4) | false | Day of the month for the date object. The first day of the month has value 1. |
| dayInYear | smallint(6) | false | Day in year of the date object. The first day of the year has value 1. |
| dateYear | smallint(6) | false | Year of the date object. |
| yearLabel | char(4) | false | Year formatted as String |
| monthNum | tinyint(4) | false | Month of the date object. January has value 1. |
| monthLabel | char(7) | false | Month formatted as String |
| dayInWeekNum | tinyint(4) | false | Day of the week for the date object. Sunday has value 1. |
| quarter | tinyint(4) | false | Quarter of the date object. First quarter has value 1. |
| quarterLabel | char(7) | false | Quarter formatted as String |
| dayInQuarter | smallint(6) | false | Day in quarter of the date object. First day of the quarter has value 1. |
| repQuarter | tinyint(4) | false | Indicates whether this date is the first date available for its quarter. |
| repMonth | tinyint(4) | false | Indicates whether this date is the first date available for its month. |
| repWeek | tinyint(4) | false | Indicates whether this date is the first date available for its week. |
| repDay | tinyint(4) | false | Indicates whether this date is the first date available for its day. |
| repMonthOrLatest | tinyint(4) | false | Indicates whether this date is the repmonth or the latest. This flag is used by Datamarts which works on monthly reps. Only difference being for the current month it is the latest |

| Column | Type | Nullable | Description |
|----------------|------------|----------|---|
| sspFlag | tinyint(4) | false | Indicates whether this date is used in Storage and Storage Pool Datamart. It is true for month representatives and for the last number of days as defined in configuration. |
| latest | char(1) | true | Indicates whether this date is the last date available in the table. |
| future | char(1) | false | Indicates whether this date is a future date (projection) or regular one. |

dwh_ports.port_dimension

| Column | Type | Nullable | Description |
|--------------------|--------------|----------|---|
| tk | int(11) | false | TK of this port row. |
| wwn | varchar(255) | false | WWN of the port. |
| name | varchar(255) | false | Name of the port. |
| gbicType | varchar(255) | true | Type of GBIC (Gigabit Interface Converter) used for the port. |
| type | varchar(255) | true | Port type, typically used to identify the protocol used to communicate with the other device, taken from the device itself: F-port, E-port, and so forth. |
| speed | varchar(12) | true | Speed of the port, in Gbps. |
| isGenerated | char(1) | false | Indication whether this is a generated wwn (if we do not know the real wwn). |
| url | varchar(255) | true | Url to this port in Insight Server. |
| id | int(11) | true | GUID of the port in dwh_inventory.switch_port. |
| latest | char(1) | true | Indicates whether this row is the latest one for this port. |

| Column | Type | Nullable | Description |
|---------------|---------|----------|--|
| dateTk | int(11) | true | TK of the date in which the port row was created. References: <ul style="list-style-type: none">• tk in dwh_ports.date dimension |

dwh_ports.ports_fact

Fact describes a port and its connectivity.

| Column | Type | Nullable | Description |
|--------------------------|---------|----------|--|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date. References: <ul style="list-style-type: none">• tk in dwh_ports.date dimension |
| switchTk | int(11) | false | TK of the switch containing the port. References: <ul style="list-style-type: none">• tk in dwh_ports.switch dimension |
| connectedDeviceTk | int(11) | true | TK of the device that is connected to the port. References: <ul style="list-style-type: none">• tk in dwh_ports.connected_device dimension |
| portTk | int(11) | false | TK of the port. References: |

| Column | Type | Nullable | Description |
|-------------------------|--|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_ports.port_dimension |
| fabric | varchar(255) | true | Name or WWN for the fabric (or VSAN) on which the port is configured to operate. |
| speed | varchar(12) | true | Speed of the port, in Gbps. |
| connectivityType | enum('Storage', 'Host', 'Switch', 'Free', 'Generic', 'Tape') | false | Type of the connected device. |
| type | varchar(255) | true | Port type, typically used to identify the protocol used to communicate with the other device, taken from the device itself: F-port, E-port, and so forth. |
| status | varchar(100) | true | Status of the port. Possible values are OK, NOT_LICENSED, ERROR, INACTIVE and UNKNOWN |

dwh_ports.ports_fact_current

| Column | Type | Nullable | Description |
|---------------|---------|----------|--------------------------------|
| tk | int(11) | false | TK of the fact. |
| dateTk | int(11) | false | TK of the date. References: |

| Column | Type | Nullable | Description |
|-------------------|--|----------|---|
| | | | <ul style="list-style-type: none"> tk in dwh_ports.date_dimension |
| switchTk | int(11) | false | TK of the switch containing the port. References: <ul style="list-style-type: none"> tk in dwh_ports.switch_dimension |
| connectedDeviceTk | int(11) | true | TK of the device that is connected to the port. References: <ul style="list-style-type: none"> tk in dwh_ports.connected_device_dimension |
| portTk | int(11) | false | TK of the port. References: <ul style="list-style-type: none"> tk in dwh_ports.port_dimension |
| fabric | varchar(255) | true | Name or WWN for the fabric (or VSAN) on which the port is configured to operate. |
| speed | varchar(12) | true | Speed of the port, in Gbps. |
| connectivityType | enum('Storage', 'Host', 'Switch', 'Free', 'Generic', 'Tape') | false | Type of the connected device. |
| type | varchar(255) | true | Port type, typically used to identify the protocol used to communicate with the other device, taken from the device itself: F-port, E-port, and so forth. |

| Column | Type | Nullabl e | Description |
|---------------|--------------|--------------|---|
| status | varchar(100) | true | Status of the port. Possible values are OK, NOT_LICENSED, ERROR, INACTIVE and UNKNOWN |

dwh_ports.switch_dimension

| Column | Type | Nullable | Description |
|---------------------|--|----------|---|
| tk | int(11) | false | TK of this switch row. |
| wwn | varchar(255) | false | WWN of the switch. |
| name | varchar(255) | false | Name of the switch. |
| identifier | varchar(768) | false | Identifier of the device. |
| ip | varchar(255) | false | IP address of the switch. |
| model | varchar(255) | false | Model of the switch. |
| manufacturer | varchar(255) | true | Manufacturer of the switch. |
| firmware | varchar(255) | true | Firmware version running on the switch. |
| serialNumber | varchar(255) | true | Serial number of the switch. |
| npv | char(1) | false | Indication whether this is an NPV switch. |
| isGenerated | char(1) | false | Indication whether this switch does not correspond to a physical device. It is used to model one to many port connectivity. |
| type | enum('CHASSIS', 'FABRIC_LOGICAL', 'FABRIC_PHYSICAL', 'NPV_CHASSIS', 'NPV_LOGICAL', | true | Switch type. |

| Column | Type | Nullable | Description |
|--------------------|-------------------------------|----------|---|
| | 'NPV_PHYSICAL', 'NPV_HUB') | | |
| url | varchar(255) | true | Url to this switch in Insight Server. |
| id | int(11) | true | GUID of the switch in dwh_inventory.switch. |
| latest | char(1) | true | Indicates whether this row is the latest one for this switch. |
| dateTk | int(11) | true | <p>TK of the date in which this switch row was created.</p> <p>References:</p> <ul style="list-style-type: none"> • tk in dwh_ports.date dimension |
| dataCenter | varchar(255) | true | Data_Center annotation value assigned to the Switch. |
| switchLevel | varchar(255) | true | Switch_Level annotation value assigned to the Switch. |
