

Database Schema

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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	TK of the storage where the internal volume 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 internal volume resides. References: <ul style="list-style-type: none"> tk in dwh_capacity.storage_pool_dimension
internalVolumeTk	int(11)	false	TK of the internal volume. References: <ul style="list-style-type: none"> tk in dwh_capacity.internal_volume_dimension
virtualStorageTk	int(11)	false	TK of the frontend array in case this is a 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	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	Nullable	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	Nullable	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	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	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	TK of the date in which this stroage array 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 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	TK of the date in which this storage array row was created. References: <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	Nullabl e	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	GUID of the storage that is the source of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.storage
sourceVolumeId	int(11)	false	GUID of the volume that is the source of the replica. References: <ul style="list-style-type: none"> id in dwh_inventory.volume
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

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 Sanscreen 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"> id 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"> id 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"> id 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"> id in dwh_inventory.volume
repVolume	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
id	int(11)	false	GUID of the relationship between a datastore and a hv nas share.
dataStoreId	int(11)	true	GUID of the datastore. References: <ul style="list-style-type: none"> id in dwh_inventory.hv_data_store
nasShareId	int(11)	true	GUID of the hv nas share. References: <ul style="list-style-type: none"> id in dwh_inventory.hv_nas_share

dwh_inventory.hv_host_to_nas_share

Column	Type	Nullable	Description
id	int(11)	false	GUID of the relationship between a host to a nas share.
hostId	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	Nullable	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('poweredOff', 'poweredOn', 'suspended')	false	Power state of the virtual machine combined with the state of the guest OS
powerStateChangeTime	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	Nullabl e	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_VirtualMachin e', '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	Nullable	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_PORT')	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	Nullabl e	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"> id in dwh_inventory.host
type	enum('FC', 'ISCSI')	false	Type of the volume access technology.

dwh_inventory.volume_to_application

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

dwh_inventory.zone

Zone and Zone Capabilities info.

Column	Type	Nullable	Description
id	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	Nullabl e	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_dime nsion
readThroughput	double	true	Read throughput average.
writeThroughput	double	true	Write throughput average.
totalThroughput	double	true	Total throughput average (read+write).
totalThroughputMa x	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 (%).
totalUtilizationM ax	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 dw_h_inventory.internal_volume
latest	char(1)	true	Indicates whether this row is the latest one for this internal volume.
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 dw_h_performance.date_dimension

dw_h_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	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
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	TK of the date in which this qtree row was created. References: <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	TK of the time dimension. References: <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 storage 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	Nullable	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	Nullable	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.
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.

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	Nullabl e	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_dim ension
applicationTk	int(11)	false	TK of the application representative. References: <ul style="list-style-type: none">tk in dwh_performance.application dimensio n
applicationGroupTk	int(11)	false	TK of the application group. References: <ul style="list-style-type: none">tk in dwh_performance.application_group di mension
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	Nullabl e	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	Nullable	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	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
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.
totalResponseTime Max	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
totalCacheHitRatioMax	double	true	The maximum total cache hit ratio.
writePending	bigint(20)	true	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.
accessed	int(11)	true	Is volume accessed?
frontend	char(1)	false	Is volume frontend?
backend	char(1)	false	Is volume backend?
timestamp	bigint(20)	false	fact start timestamp, for partitioning

dwh_ports

dwh_ports.cardinals

Column	Type	Nullable	Description
digit	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	The ID of the device. References: <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	TK of the date in which this switch row was created. References: <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.

Document Revisions:

February 2020	Initial document created
February 2021	Formatting change: Add footer with date and page number