

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

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## dwh\_capacity.application\_group\_bridge

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



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

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## **dwh\_capacity.application\_group\_dimension**

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

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## **dwh\_capacity.business\_entity\_dimension**

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of this business entity row.

Column	Type	Nullable	Description
<b>fullname</b>	varchar(1024)	false	Name of the business entity.
<b>tenant</b>	varchar(255)	false	Name of the tenant.
<b>lob</b>	varchar(255)	false	Name of the line of business.
<b>businessUnit</b>	varchar(255)	false	Name of the business unit.
<b>project</b>	varchar(255)	false	Name of the project.
<b>id</b>	int(11)	true	GUID of the business entity in dwh_inventory.business_entity.
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this business entity.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_capacity.date_dimension</a></li> </ul>

## dwh\_capacity.capacity\_type

Capacity type dictionary.

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

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## dwh\_capacity.cardinals

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

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## dwh\_capacity.chargeback\_fact

Fact provides platform for unified chargeback.

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

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

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.application_dimension</a></li> </ul>
<b>applicationGroupTk</b>	int(11)	false	TK of the application group. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.application_group_dimension</a></li> </ul>
<b>tierTk</b>	int(11)	false	TK of the tier. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.tier_dimension</a></li> </ul>
<b>serviceLevelTk</b>	int(11)	false	TK of the service level. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.service_level_dimension</a></li> </ul>
<b>businessUnit</b>	varchar(255)	false	Business Unit associated with the qtree.
<b>businessEntityTk</b>	int(11)	false	TK of the business entity. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.business_entity_dimension</a></li> </ul>
<b>protectionType</b>	varchar(255)	false	Specifies the protection type.
<b>storageAccessType</b>	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.
<b>resourceName</b>	varchar(255)	false	Name of the resource on which the capacity resides. N/A when resource type is VOLUME
<b>resourceType</b>	enum('VOLUME', 'QTREE', 'INTERNAL_VOLUME', 'OBJECT')	false	Describes what capacities were aggregated to obtain this capacity.
<b>mappedByVM</b>	char(1)	false	Indicates whether this resource is mapped from VM
<b>virtualStorage</b>	char(1)	false	Indicates whether this capacity is virtualized by a backend storage
<b>provisionedCapacityMB</b>	bigint(20)	false	Provisioned capacity.
<b>usedCapacityMB</b>	bigint(20)	false	Used capacity.

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## dwh\_capacity.datastore\_dimension

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

Column	Type	Nullable	Description
<b>id</b>	int(11)	true	GUID of the datastore in dwh_inventory.hv_data_store
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this datastore.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_capacity.date_dimension</a></li> </ul>

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## dwh\_capacity.date\_dimension

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

Column	Type	Nullable	Description
<b>quarterLabel</b>	char(7)	false	Quarter formatted as String
<b>dayInQuarter</b>	smallint(6)	false	Day in quarter of the date object. First day of the quarter has value 1.
<b>repQuarter</b>	tinyint(4)	false	Indicates whether this date is the first date available for its quarter.
<b>repMonth</b>	tinyint(4)	false	Indicates whether this date is the first date available for its month.
<b>repWeek</b>	tinyint(4)	false	Indicates whether this date is the first date available for its week.
<b>repDay</b>	tinyint(4)	false	Indicates whether this date is the first date available for its day.
<b>repMonthOrLatest</b>	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
<b>sspFlag</b>	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.
<b>latest</b>	char(1)	true	Indicates whether this date is the last date available in the table.
<b>future</b>	char(1)	false	Indicates whether this date is a future date (projection) or regular one.

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## dwh\_capacity.disk\_group\_capacity\_fact

Fact describes disk group capacity and its usage.



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

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## dwh\_capacity.disk\_group\_capacity\_future\_fact

Disk Group Capacity DM (Future projections)

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

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## dwh\_capacity.disk\_group\_dimension

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

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## dwh\_capacity.host\_dimension

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of this host row.
<b>name</b>	varchar(255)	false	Name of the host.

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

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## dwh\_capacity.host\_group\_bridge

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

Column	Type	Nullable	Description
<b>isRep</b>	char(1)	true	Indicates whether this host represents its host group.

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## **dwh\_capacity.host\_group\_dimension**

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

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## **dwh\_capacity.internal\_volume\_capacity\_fact**

Fact describes internal volume capacity and its usage.

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of the fact.
<b>dateTk</b>	int(11)	false	TK of the date. References:

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

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.tier_dimension</a></li> </ul>
<b>applicationTk</b>	int(11)	false	TK of the application. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.application_dimension</a></li> </ul>
<b>applicationGroupTk</b>	int(11)	false	TK of the application group. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.application_group_dimension</a></li> </ul>
<b>serviceLevelTk</b>	int(11)	false	TK of the service level. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.service_level_dimension</a></li> </ul>
<b>businessUnit</b>	varchar(255)	false	Business Unit associated with the internal volume.
<b>businessEntityTk</b>	int(11)	false	TK of the business entity. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.business_entity_dimension</a></li> </ul>
<b>storageAccessType</b>	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
<b>protectionType</b>	varchar(255)	false	Specifies the protection type for this internal volume or N/A if it is not a replica.
<b>allocatedCapacityMB</b>	bigint(20)	false	Total allocated capacity on internal volume.
<b>consumedCapacityMB</b>	bigint(20)	false	Capacity consumed by this internal volume from storage pool.
<b>usedCapacityMB</b>	bigint(20)	false	Total used capacity on this internal volume.
<b>dataUsedCapacityMB</b>	bigint(20)	false	Used capacity on this internal volume without snapshot.
<b>dataUnusedCapacityMB</b>	bigint(20)	false	Capacity available for writing data on the internal volume.
<b>snapshotAllocatedCapacityMB</b>	bigint(20)	false	Capacity allocated for snapshots on this internal volume.
<b>snapshotUsedCapacityMB</b>	bigint(20)	false	Capacity used by snapshots on this internal volume.
<b>totalCloneSavedCapacityMB</b>	bigint(20)	false	Capacity which the clone internal volume shares with its source internal volume.
<b>dedupeRatio</b>	float	true	The dedupe compression ratio on this internal volume.
<b>rawToUsableRatio</b>	float	false	The ratio between disk raw capacity and usable capacity for the internal volume. Affected by the RAID level and other overheads.
<b>snapshotCount</b>	int(11)	true	Number of snapshots on this internal volume.
<b>lastSnapshotTime</b>	datetime	true	Time of the last snapshot.
<b>compressionRatio</b>	float	true	The compression ratio on this internal volume.



## dwh\_capacity.internal\_volume\_dimension

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

Column	Type	Nullable	Description
<b>id</b>	int(11)	true	GUID of the internal volume in dwh_inventory.internal_volume
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this internal volume.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_capacity.date_dimension</a></li> </ul>

## dwh\_capacity.qtree\_capacity\_fact

Fact describes qtree capacity and its usage.

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

Column	Type	Nulla ble	Description
<b>storagePoolTk</b>	int(11)	false	TK of the storage pool where the qtree resides. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.storage_pool_dimension</a></li> </ul>
<b>internalVolumeTk</b>	int(11)	false	TK of the internal volume where the qtree resides. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.internal_volume_dimension</a></li> </ul>
<b>qtreeTk</b>	int(11)	false	TK of the qtree. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.qtree_dimension</a></li> </ul>
<b>virtualStorageTk</b>	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"> <li>tk in <a href="#">dwh_capacity.storage_dimension</a></li> </ul>
<b>tierTk</b>	int(11)	false	TK of the tier. References:

Column	Type	Nulla ble	Description
			<ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.tier_dimension</a></li> </ul>
<b>serviceLevelTk</b>	int(11)	false	TK of the service level. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.service_level_dimension</a></li> </ul>
<b>applicationTk</b>	int(11)	false	TK of the application. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.application_dimension</a></li> </ul>
<b>applicationGroupTk</b>	int(11)	false	TK of the application group. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.application_group_dimension</a></li> </ul>
<b>businessUnit</b>	varchar(255)	false	Business Unit associated with the qtree.
<b>businessEntityTk</b>	int(11)	false	TK of the business entity. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.business_entity_dimension</a></li> </ul>
<b>storageAccessType</b>	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
<b>protectionType</b>	varchar(255)	false	Specifies the protection type for this capacity or N/A if it is not a replica.
<b>hardLimitCapacityMB</b>	bigint(20)	false	The disk space limit imposed on this qtree by a quota. When exceeded, data cannot be written.
<b>softLimitCapacityMB</b>	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.
<b>usedCapacityMB</b>	bigint(20)	false	Capacity used towards the hard and soft capacity limit set on the quota.
<b>rawToUsableRatio</b>	float	false	The ratio between disk raw capacity and usable capacity for the qtree. Affected by the RAID level and other overheads.
<b>missingQuotaLimits</b>	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.

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## dwh\_capacity.qtree\_dimension

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

Column	Type	Nullable	Description
<b>storageIdentifier</b>	varchar(768)	false	Identifier of the storage where this qtree resides.
<b>type</b>	enum('DEFAULT', 'EXPLICIT')	false	Qtree type.
<b>url</b>	varchar(255)	true	Url to this qtree in Insight Server.
<b>id</b>	int(11)	true	GUID of the qtree in dwh_inventory.qtree
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this qtree.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_capacity.date_dimension</a></li> </ul>

## dwh\_capacity.service\_level\_dimension

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

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

## dwh\_capacity.sp\_time\_to\_fill

Column	Type	Nullable	Description
<b>saspFactTk</b>	int(11)	false	TK of the storage and storage pool fact. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.storage_and_storage_pool_capacity_fact</a></li> </ul>
<b>daysToStoragePoolFull</b>	int(11)	false	No of Days for the UsedCapacity to be equal to the Capacity
<b>dateAtStoragePoolFull</b>	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
<b>tk</b>	int(11)	false	TK of the fact.
<b>dateTk</b>	int(11)	false	TK of the date dimension. References:

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



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

Column	Type	Nullable	Description
<b>maskedVolumeCapacityMB</b>	bigint(20)	false	Provisioned capacity of masked volumes on this storage pool in MB.
<b>internalVolumeAllocatedCapacityMB</b>	bigint(20)	false	Total allocated capacity of internal volumes on this storage pool in MB.
<b>internalVolumeUsedCapacityMB</b>	bigint(20)	false	Total used capacity of internal volumes on this storage pool in MB.
<b>internalVolumeConsumedCapacityMB</b>	bigint(20)	false	Capacity consumed by internal volumes on this storage pool in MB.
<b>dedupeRatio</b>	float	true	The deduplication ratio on this storage pool
<b>compressionRatio</b>	float	true	The compression ratio on this storage pool
<b>compactionRatio</b>	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
<b>tk</b>	int(11)	false	TK of the fact.
<b>dateTk</b>	int(11)	false	TK of the date dimension. References: <ul style="list-style-type: none"> <li><b>tk</b> in <a href="#">dwh_capacity.date_dimension</a></li> </ul>
<b>storagePoolTk</b>	int(11)	false	TK of the storage pool where the capacity resides. References:

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

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[dwh\\_capacity.storage\\_dimension](#)

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

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**[dwh\\_capacity.storage\\_pool\\_dimension](#)**

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

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

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## dwh\_capacity.tier\_dimension

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

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## dwh\_capacity.vm\_capacity\_fact

Fact describes VM capacity usage.

Column	Type	Nullabl e	Description
<b>tk</b>	int(11)	false	TK of the fact.
<b>dateTk</b>	int(11)	false	TK of the date. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.date_dimension</a></li> </ul>
<b>hostTk</b>	int(11)	false	TK of the host which represents the host group. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.host_dimension</a></li> </ul>
<b>storageTk</b>	int(11)	false	TK of the storage where the capacity resides. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.storage_dimension</a></li> </ul>
<b>virtualStorageTk</b>	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"> <li>tk in <a href="#">dwh_capacity.storage_dimension</a></li> </ul>
<b>internalVolumeTk</b>	int(11)	false	TK of the internal volume where the capacity resides. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_capacity.internal_volume_dimension</a></li> </ul>
<b>qtreeTk</b>	int(11)	false	TK of the qtree where the capacity resides. References:

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



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

Column	Type	Nullabl e	Description
	'UNKNOWN')		
<b>capacityType</b>	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"><li>• <b>type</b> in <a href="#">dwh_capacity.capacity_type</a></li></ul>
<b>actualMB</b>	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.
<b>provisionedMB</b>	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
<b>tk</b>	int(11)	false	TK of this virtual machine row.
<b>name</b>	varchar(255)	false	Name of the virtual machine.
<b>naturalKey</b>	varchar(768)	false	Natural identifier of the virtual machine.
<b>os</b>	varchar(255)	true	Guest operating system.
<b>virtualCenterIp</b>	varchar(255)	true	IP address of virtual center of the virtual machine.
<b>ips</b>	varchar(4096)	true	Comma separated list of IP addresses of the virtual machine.

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

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## **dwh\_capacity.volume\_capacity\_fact**

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

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

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

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## dwh\_capacity.volume\_dimension

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

Column	Type	Nullable	Description
<b>technologyType</b>	enum('FC', 'ISCSI', 'UNKNOWN')	true	Specifies the technology type (FC/ISCSI/UNKNOWN).
<b>uuid</b>	varchar(255)	true	UUID of the volume.
<b>isMainframe</b>	char(1)	false	Is Mainframe volume?
<b>url</b>	varchar(255)	true	Url to this volume in Insight Server.
<b>id</b>	int(11)	true	GUID of the volume in dwh_inventory.volume
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this volume.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_capacity.date_dimension</a></li> </ul>

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## dwh\_capacity.volume\_fact\_current

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

Column	Type	Nullable	Description
<b>chargebackFactTk</b>	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"> <li>tk in <a href="#">dwh_capacity.chargeback_fact</a></li> </ul>
<b>volumeId</b>	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"> <li>id in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>storageId</b>	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"> <li>id in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>volumeName</b>	varchar(255)	true	Name of the volume
<b>volumeType</b>	varchar(255)	true	Vendor-specific type of volume (e.g., SFS, BCV).
<b>thinProvisioned</b>	char(1)	true	Indicates whether this volume is thin provisioned.
<b>isVirtual</b>	char(1)	true	Indicates whether this volume is a virtual volume.
<b>snapshot</b>	char(1)	true	Indicates whether this volume is a snapshot volume.
<b>technologyType</b>	enum('FC', 'ISCSI', 'UNKNOWN')	true	Specifies the technology type (FC/ISCSI/UNKNOWN).
<b>physicalUsableMB</b>	bigint(20)	false	The amount of volume usable capacity that is consumed from the storage and is counted in the fact row, in MB.
<b>physicalRawMB</b>	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
<b>provisionedUsableMB</b>	bigint(20)	false	The amount of volume usable capacity that is provisioned to hosts/users counted in the fact row, in MB.
<b>provisionedRawMB</b>	bigint(20)	false	The amount of volume raw capacity that is provisioned to hosts/users counted in the fact row, in MB.

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## dwh\_capacity.volume\_history\_capacity\_fact

Fact describes volume capacities and their usage.

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

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

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

Column	Type	Nullable	Description
<b>provisionedCapacityMB</b>	bigint(20)	false	Provisioned capacity of volumes in MB.
<b>accessedCapacityMB</b>	bigint(20)	true	Provisioned capacity of volumes that are accessed by hosts in MB.
<b>orphanedCapacityMB</b>	bigint(20)	true	Provisioned capacity of volumes that are masked but do not have active path to them in MB.
<b>protectionCapacityMB</b>	bigint(20)	true	Provisioned capacity of volumes that are used for replication in MB.
<b>unusedCapacityMB</b>	bigint(20)	true	Provisioned capacity of volumes that are not accessed by hosts in MB.
<b>consumedCapacityMB</b>	bigint(20)	false	Consumed capacity of volumes in MB.
<b>daysSinceLastAccessed</b>	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
<b>tk</b>	int(11)	false	TK of the date object.
<b>fullDate</b>	datetime	false	Date of the date object.
<b>dayInMonth</b>	tinyint(4)	false	Day of the month for the date object. The first day of the month has value 1.

Column	Type	Nullable	Description
<b>dayInYear</b>	smallint(6)	false	Day in year of the date object. The first day of the year has value 1.
<b>dateYear</b>	smallint(6)	false	Year of the date object.
<b>yearLabel</b>	char(4)	false	Year formatted as String
<b>monthNum</b>	tinyint(4)	false	Month of the date object. January has value 1.
<b>monthLabel</b>	char(7)	false	Month formatted as String
<b>dayInWeekNum</b>	tinyint(4)	false	Day of the week for the date object. Sunday has value 1.
<b>quarter</b>	tinyint(4)	false	Quarter of the date object. First quarter has value 1.
<b>quarterLabel</b>	char(7)	false	Quarter formatted as String
<b>dayInQuarter</b>	smallint(6)	false	Day in quarter of the date object. First day of the quarter has value 1.
<b>repQuarter</b>	tinyint(4)	false	Indicates whether this date is the first date available for its quarter.
<b>repMonth</b>	tinyint(4)	false	Indicates whether this date is the first date available for its month.
<b>repWeek</b>	tinyint(4)	false	Indicates whether this date is the first date available for its week.
<b>repDay</b>	tinyint(4)	false	Indicates whether this date is the first date available for its day.
<b>repMonthOrLatest</b>	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
<b>sspFlag</b>	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.
<b>latest</b>	char(1)	true	Indicates whether this date is the last date available in the table.
<b>future</b>	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
<b>tk</b>	int(11)	false	TK of the fact.
<b>dateTk</b>	int(11)	false	TK of the date. References: <ul style="list-style-type: none"> <li><b>tk</b> in <a href="#">dwh_capacity_efficiency.date_dimension</a></li> </ul>
<b>storageTk</b>	int(11)	false	TK of the storage where the capacity resides. References: <ul style="list-style-type: none"> <li><b>tk</b> in <a href="#">dwh_capacity_efficiency.storage_dimension</a></li> </ul>
<b>rawCapacityMB</b>	bigint(20)	false	Storage raw capacity in MB. 0 when technology is specified (not NULL).
<b>backendCapacityMB</b>	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
<b>storageTechnology</b>	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) .
<b>gainMB</b>	bigint(20)	false	Capacity gained by using the technology. 0 when technology is not specified (NULL).
<b>lossMB</b>	bigint(20)	false	Capacity lost by using the technology. 0 when technology is not specified (NULL).
<b>potentialGainMB</b>	bigint(20)	false	Potential capacity to gain by using the technology to the full extent. 0 when technology is not specified (NULL).
<b>potentialLossMB</b>	bigint(20)	false	Potential capacity to loss by using the technology to the full extent. 0 when technology is not specified (NULL).

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## **dwh\_capacity\_efficiency.storage\_dimension**

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

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

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## dwh\_cloud\_cost

[dwh\\_cloud\\_cost.cloud\\_cost\\_estimate\\_fact](#)



The daily data for cloud cost estimates.

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

Column	Type	Nullable	Description
<b>sku</b>	varchar(255)	true	A unique code for a product. Use the SKU code to correlate product details and pricing.
<b>cpuCount</b>	double	true	Number of CPUs (or vCPUs) available on the resource.
<b>currencyCode</b>	varchar(255)	true	The currency that this billing item is given in, e.g. USD.
<b>locationCode</b>	varchar(255)	true	Code identifying the location associated with this resource. For AWS, this maps to the region code.
<b>locationName</b>	varchar(255)	true	Name identifying the location associated with this resource. For AWS, this maps to the region name.
<b>modelType</b>	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.
<b>operatingSystem</b>	varchar(255)	true	Operating system (OS) running on the VM instance.
<b>pricingType</b>	varchar(255)	true	Pricing type for the resource, e.g, for an EC2 instance, the value might be Spot or Dedicated.
<b>resourceName</b>	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.
<b>resourceType</b>	varchar(255)	true	Generic type of the resource associated with this billing item.

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

Column	Type	Nullable	Description
<b>usageTimeHours</b>	double	true	Time in hours for which the resource was billed.
<b>discountedUsageTimeHours</b>	double	true	Time in hours for which the resource was billed at a discounted rate. Is always less than usageTimeSeconds.
<b>discountedUsageTimePercent</b>	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.
<b>purchasedCredits</b>	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.
<b>consumedCredits</b>	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.
<b>dataTransferCost</b>	double	true	Cost of all data transfers.
<b>dataTransferUnblendedCost</b>	double	true	Unblended cost of all data transfers.
<b>dataTransferredGb</b>	double	true	Total data transferred during the current day in GB (2^30 bytes).
<b>dataStorageCost</b>	double	true	Cost of all stored data.

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

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## [dwh\\_cloud\\_cost.cloud\\_cost\\_fact](#)

The daily data for finalized cloud cost.

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

Column	Type	Nullable	Description
<b>cpuCount</b>	double	true	Number of CPUs (or vCPUs) available on the resource.
<b>currencyCode</b>	varchar(255)	true	The currency that this billing item is given in, e.g. USD.
<b>locationCode</b>	varchar(255)	true	Code identifying the location associated with this resource. For AWS, this maps to the region code.
<b>locationName</b>	varchar(255)	true	Name identifying the location associated with this resource. For AWS, this maps to the region name.
<b>modelType</b>	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.
<b>operatingSystem</b>	varchar(255)	true	Operating system (OS) running on the VM instance.
<b>pricingType</b>	varchar(255)	true	Pricing type for the resource, e.g, for an EC2 instance, the value might be Spot or Dedicated.
<b>resourceName</b>	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.
<b>resourceType</b>	varchar(255)	true	Generic type of the resource associated with this billing item.
<b>serviceId</b>	varchar(255)	true	Id of the service associated with this billing item.

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



Column	Type	Nullable	Description
<b>discountedUsageTimeHours</b>	double	true	Time in hours for which the resource was billed at a discounted rate. Is always less than usageTimeSeconds.
<b>discountedUsageTimePercent</b>	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.
<b>purchasedCredits</b>	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.
<b>consumedCredits</b>	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.
<b>dataTransferCost</b>	double	true	Cost of all data transfers.
<b>dataTransferUnblendedCost</b>	double	true	Unblended cost of all data transfers.
<b>dataTransferredGb</b>	double	true	Total data transferred during the current day in GB (2 <sup>30</sup> bytes).
<b>dataStorageCost</b>	double	true	Cost of all stored data.
<b>dataStorageUnblendedCost</b>	double	true	Unblended cost of all stored data.

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

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## dwh\_cloud\_cost.cloud\_resource\_tag\_fact

The daily data for cloud resource tags.

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of the fact.

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

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## dwh\_cloud\_cost.date\_dimension

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

Column	Type	Nullable	Description
<b>quarterLabel</b>	char(7)	false	Quarter formatted as String
<b>dayInQuarter</b>	smallint(6)	false	Day in quarter of the date object. First day of the quarter has value 1.
<b>repQuarter</b>	tinyint(4)	false	Indicates whether this date is the first date available for its quarter.
<b>repMonth</b>	tinyint(4)	false	Indicates whether this date is the first date available for its month.
<b>repWeek</b>	tinyint(4)	false	Indicates whether this date is the first date available for its week.
<b>repDay</b>	tinyint(4)	false	Indicates whether this date is the first date available for its day.
<b>repMonthOrLatest</b>	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
<b>sspFlag</b>	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.
<b>latest</b>	char(1)	true	Indicates whether this date is the last date available in the table.
<b>future</b>	char(1)	false	Indicates whether this date is a future date (projection) or regular one.

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[dwh\\_cloud\\_cost.vm\\_dimension](#)

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

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## dwh\_cloud\_cost.vmdk\_dimension

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

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

## dwh\_fs\_util

### dwh\_fs\_util.compute\_resource\_dimension

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

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

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## dwh\_fs\_util.date\_dimension

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

Column	Type	Nullable	Description
<b>dayInQuarter</b>	smallint(6)	false	Day in quarter of the date object. First day of the quarter has value 1.
<b>repQuarter</b>	tinyint(4)	false	Indicates whether this date is the first date available for its quarter.
<b>repMonth</b>	tinyint(4)	false	Indicates whether this date is the first date available for its month.
<b>repWeek</b>	tinyint(4)	false	Indicates whether this date is the first date available for its week.
<b>repDay</b>	tinyint(4)	false	Indicates whether this date is the first date available for its day.
<b>repMonthOrLatest</b>	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
<b>sspFlag</b>	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.
<b>latest</b>	char(1)	true	Indicates whether this date is the last date available in the table.
<b>future</b>	char(1)	false	Indicates whether this date is a future date (projection) or regular one.

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**dwh\_fs\_util.file\_system\_dimension**



Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of the dimension.
<b>computeResourceIdentifier</b>	varchar(768)	false	Identifier of the compute resource. Part of the natural key.
<b>name</b>	varchar(255)	false	Mounting point or drive letter. Part of the natural key.
<b>location</b>	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.
<b>hardwareId</b>	varchar(255)	true	Host specific identifier. Will be set to null if unknown.
<b>type</b>	varchar(255)	true	File system type. For example: NTFS, FAT, UFS, UDF, ZFS, ISO 9660, VXFS etc. Will be set to null if unknown.
<b>id</b>	int(11)	true	GUID of the file-system in dwh_inventory.file_system.
<b>latest</b>	char(1)	false	Indicates whether this row is the latest one for this file-system.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_fs_util.date_dimension</a></li> </ul>

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**dwh\_fs\_util.fs\_util\_fact**

Displays file system utilization.

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

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

## dwh\_fs\_util.host\_dimension

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

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

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## dwh\_fs\_util.storage\_dimension

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

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

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## dwh\_fs\_util.tier\_dimension

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

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## dwh\_fs\_util.vm\_dimension

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

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## dwh\_inventory

### dwh\_inventory.acq\_acquisition\_unit

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the acquisition unit.

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

---

## **dwh\_inventory.acq\_data\_source**

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

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

---

## dwh\_inventory.annotation\_value

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



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

---

## dwh\_inventory.application

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

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

---

## dwh\_inventory.auto\_tiering\_policy

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

---

## dwh\_inventory.auto\_tiering\_policy\_constraint

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the auto tiering policy constraint.
<b>autoTieringPolicyId</b>	int(11)	false	GUID of the auto tiering policy. References:

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.auto_tiering_policy</a></li> </ul>
storageId	int(11)	false	GUID of the storage on which the auto tiering policy is defined. References: <ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.storage</a></li> </ul>
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"> <li>id in <a href="#">dwh_inventory.storage</a></li> </ul>
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
<b>id</b>	int(11)	false	GUID of the backend path.
<b>frontendStorageId</b>	int(11)	false	GUID of the frontend storage array. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>backendLunId</b>	int(11)	false	GUID of the backend LUN in the frontend array. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.backend_lun</a></li> </ul>
<b>backendStorageId</b>	int(11)	false	GUID of the backend storage array. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>backendVolumeId</b>	int(11)	false	GUID of the backend Volume. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.volume</a></li> </ul>

---

## [dwh\\_inventory.backend\\_path](#)

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

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the backend path.
<b>backendLunId</b>	int(11)	false	GUID of the backend LUN. References:

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li><code>id</code> in <a href="#">dwh_inventory.backend_lun</a></li> </ul>
<code>storageId</code>	int(11)	false	GUID of the storage array. References: <ul style="list-style-type: none"> <li><code>id</code> in <a href="#">dwh_inventory.storage</a></li> </ul>
<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
<b>uuid</b>	varchar(255)	false	Globally unique ID. Correlates with IDs reported by cloud data sources (EC2, S3, etc.).
<b>accountId</b>	bigint(20)	false	The ID of the account that this billing item applies to.
<b>availabilityZone</b>	varchar(255)	true	The Availability Zone associated with this billing item charge.
<b>cloudProviderName</b>	varchar(255)	false	Generic name of the cloud service provider, e.g. AWS, Azure.
<b>sku</b>	varchar(255)	true	A unique code for a product. Use the SKU code to correlate product details and pricing.
<b>cpuCount</b>	double	true	Number of CPUs (or vCPUs) available on the resource.
<b>currencyCode</b>	varchar(255)	true	The currency that this billing item is given in, e.g. USD.
<b>locationCode</b>	varchar(255)	true	Code identifying the location associated with this resource. For AWS, this maps to the region code.
<b>locationName</b>	varchar(255)	true	Name identifying the location associated with this resource. For AWS, this maps to the region name.
<b>modelType</b>	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.
<b>operatingSystem</b>	varchar(255)	true	Operating system (OS) running on the VM instance.
<b>pricingType</b>	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
<b>resourceName</b>	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.
<b>resourceType</b>	varchar(255)	true	Generic type of the resource associated with this billing item.
<b>serviceId</b>	varchar(255)	true	Id of the service associated with this billing item.
<b>serviceName</b>	varchar(255)	true	Name of the service associated with this billing item, e.g. Amazon S3.
<b>serviceType</b>	varchar(255)	true	Name of the generic ServiceFamily associated with this billing item.
<b>storageTypes</b>	varchar(255)	true	Comma-separated list of storage types associated with this item, e.g. Standard, Magnetic, Amazon Glacier.
<b>normalizationFactor</b>	double	true	The relative value of the resource based on instance size.

---

## dwh\_inventory.cloud\_resource\_tag

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

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## dwh\_inventory.cm\_lun\_requests

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



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

---

## dwh\_inventory.cm\_lun\_requirement

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	The ID from Globalization.

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

## dwh\_inventory.cm\_port\_requests

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

Column	Type	Nullabl e	Description
<b>requesterEmail</b>	varchar(255)	true	Requester email
<b>state</b>	enum('NEW', 'OPEN', 'REJECTED' , 'CANCELLE D', 'COMPLETE D')	true	State of request
<b>justification</b>	text	true	Justification for the request
<b>comments</b>	text	true	Comments
<b>creationDate</b>	datetime	false	Request creation date
<b>dueDate</b>	datetime	true	Request due date
<b>dueDateYYYYMM</b>	varchar(6)	true	Request due date in YYYYMM format.
<b>dueDateYYYYMMDD</b>	varchar(8)	true	Request due date in YYYYMMDD format.
<b>completionDate</b>	datetime	true	Date on which all requirements were fulfilled
<b>requestTargetType</b>	enum('NON E', 'OTHER', 'HOST')	true	Target Type of the Request
<b>dataCenter</b>	varchar(255)	false	Data Center Annotation
<b>fabric</b>	varchar(255)	false	SAN Annotation
<b>ticket</b>	varchar(255)	true	Ticket number
<b>active</b>	char(1)	false	The request is not deleted
<b>note</b>	varchar(512)	true	Note on the requirement
<b>portCount</b>	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"> <li>id in <a href="#">dwh_inventory.cm_request</a></li> </ul>
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"> <li>id in <a href="#">dwh_inventory.business_entity</a></li> </ul>
displayName	varchar(255)	true	Request Name

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

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[dwh\\_inventory.compute\\_resource](#)

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

---

## dwh\_inventory.disk

Disk for storage arrays

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the disk.

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

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

## dwh\_inventory.disk\_group

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



Column	Type	Nullable	Description
<b>usedCapacityMB</b>	bigint(20)	false	used capacity of the disk group
<b>physicalDiskCapacityMB</b>	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
<b>storageId</b>	int(11)	false	GUID of the storage array. References: <ul style="list-style-type: none"><li>id in <a href="#">dwh_inventory.storage</a></li></ul>
<b>diskGroupId</b>	int(11)	false	GUID of the disk group. References: <ul style="list-style-type: none"><li>id in <a href="#">dwh_inventory.disk_group</a></li></ul>
<b>diskId</b>	int(11)	false	GUID of the disk. References: <ul style="list-style-type: none"><li>id in <a href="#">dwh_inventory.disk</a></li></ul>

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## dwh\_inventory.disk\_group\_to\_storage\_pool

Lists the storage pools in a disk group.

Column	Type	Nullable	Description
<b>storageId</b>	int(11)	false	GUID of the storage array. References:

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

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## dwh\_inventory.dr\_internal\_volume\_replica

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

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

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## [dwh\\_inventory.dr\\_qtree\\_replica](#)

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

Column	Type	Nullable	Description
<b>sourceQtreeId</b>	int(11)	false	GUID of the qtree that is the source of the replica. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.qtree</a></li> </ul>
<b>targetStorageId</b>	int(11)	false	GUID of the storage that is the target of the replica. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>targetQtreeId</b>	int(11)	false	GUID of the qtree that is the target of the replica. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.qtree</a></li> </ul>
<b>mode</b>	varchar(255)	true	Synchronization mode for the replica. Possible values are Synchronous, Asynchronous, Semi Synchronous, Copy and Unknown.
<b>technology</b>	varchar(255)	true	The technology used for this replication. E.g., SnapMirror
<b>dwhCalculated</b>	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
<b>sourceStorageId</b>	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"> <li>id in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>sourceVolumeId</b>	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"> <li>id in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>targetStorageId</b>	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"> <li>id in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>targetVolumeId</b>	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"> <li>id in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>fabrics</b>	int(11)	true	[deprecated] Number of fabrics utilized by the replica.
<b>spf</b>	tinyint(4)	true	[deprecated] Indicates whether the replica has a single point of failure.
<b>sourcePorts</b>	int(11)	true	[deprecated] Number of source ports used by the replica.
<b>targetPorts</b>	int(11)	true	[deprecated] Number of target ports used by the replica.
<b>hopsCount</b>	int(11)	true	[deprecated] Number of switch hops for this replica.

Column	Type	Nullable	Description
<b>synch</b>	enum('SYNCHRONOUS', 'ASYNCHRONOUS', 'SEMI_SYNCHRONOUS', 'COPY', 'UNKNOWN')	false	Enumerated text describing the replication mode configured

---

## **dwh\_inventory.dr\_volume\_replica**

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

Column	Type	Nullable	Description
<b>targetVolumeId</b>	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"> <li>• <b>id</b> in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>fabrics</b>	int(11)	true	[deprecated] Number of fabrics utilized by the replica.
<b>spf</b>	tinyint(4)	true	[deprecated] Indicates whether the replica has a single point of failure.
<b>sourcePorts</b>	int(11)	true	[deprecated] Number of source ports used by the replica.
<b>targetPorts</b>	int(11)	true	[deprecated] Number of target ports used by the replica.
<b>hopsCount</b>	int(11)	true	[deprecated] Number of switch hops for this replica.
<b>mode</b>	enum('SYNCHRONOUS', 'ASYNCHRONOUS', 'SEMI_SYNCHRONOUS', 'COPY', 'UNKNOWN')	false	Enumerated text describing the replication mode configured
<b>modeRaw</b>	varchar(255)	true	Text describing the replication mode configured
<b>technology</b>	varchar(255)	true	Text describing the used replication technology
<b>state</b>	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')		
<b>stateRaw</b>	varchar(255)	true	Enumerated text describing the dynamic state of replication
<b>stateStartTime</b>	datetime	true	The known Start time of the reported state
<b>stateSampleTime</b>	datetime	true	The last update time for the State
<b>stateStartTimeCalculated</b>	char(1)	true	True, If the Starttime is calculated by Sansscreen Server
<b>dwhCalculated</b>	char(1)	false	True if this is a cross-site replica calculated by DWH

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## **dwh\_inventory.extended\_data**

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

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## dwh\_inventory.fabric

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the fabric.
<b>identifier</b>	varchar(768)	false	Identifier of the fabric.
<b>wwn</b>	varchar(255)	false	WWN of the fabric.
<b>name</b>	varchar(255)	false	Name of the fabric.
<b>vsanEnabled</b>	char(1)	false	Indicates whether this fabric is a VSAN.
<b>vsanId</b>	varchar(255)	true	Identifier for the VSAN in case this fabric is a VSAN.
<b>zoningEnabled</b>	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.
<b>url</b>	varchar(255)	true	Url to this fabric in Insight Server.

---

## dwh\_inventory.fc\_name\_server\_entry

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

Column	Type	Nullable	Description
<b>type</b>	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)
<b>wwn</b>	varchar(255)	false	WWN of the node port.
<b>connectedSwitchPortId</b>	int(11)	false	GUID of the connected switch port. References: <ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.switch_port</a></li> </ul>
<b>connectedSwitchPortWwn</b>	varchar(255)	false	WWN of the connected switch port.
<b>physicalPortWwn</b>	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.
<b>fcId</b>	varchar(255)	false	ID assigned after the handshake/login.

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## dwh\_inventory.file\_system

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the file system.
<b>computeResourceId</b>	int(11)	false	GUID of the compute resource. References:

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.compute_resource</a></li> </ul>
hostId	int(11)	true	<p>GUID of the host.</p> <p>References:</p> <ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.host</a></li> </ul>
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.

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[dwh\\_inventory.file\\_system\\_to\\_virtual\\_disk](#)

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

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## dwh\_inventory.file\_system\_to\_volume

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

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

## dwh\_inventory.generic\_device

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

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

---

## dwh\_inventory.generic\_device\_port

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

---

## dwh\_inventory.host

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

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

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## dwh\_inventory.host\_adapter

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the host adapter.
<b>hostId</b>	int(11)	false	GUID of the host where this adapter resides. References:

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

## [dwh\\_inventory.host\\_port](#)

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



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

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## **dwh\_inventory.host\_to\_application**

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

---

## **dwh\_inventory.hv\_data\_store**

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

Column	Type	Nullable	Description
<b>name</b>	varchar(512)	false	Name of the datastore.
<b>capacityMB</b>	bigint(20)	true	Configured size of the datastore, in MB.
<b>provisionedCapacityMB</b>	bigint(20)	true	Amount of storage set-aside for use by the datastore, in MB.
<b>virtualCenterIp</b>	varchar(255)	true	IP address of virtual center.
<b>freeCapacityMB</b>	bigint(20)	true	[OBSOLETE] Available capacity in the datastore, in MB.
<b>usedCapacityMB</b>	bigint(20)	true	Amount of space actually used by the datastore, in MB.
<b>url</b>	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
<b>dataStoreId</b>	int(11)	false	GUID fo the datastore. References: <ul style="list-style-type: none"><li>id in <a href="#">dwh_inventory.hv_data_store</a></li></ul>
<b>storageId</b>	int(11)	false	GUID of the storage. References: <ul style="list-style-type: none"><li>id in <a href="#">dwh_inventory.storage</a></li></ul>
<b>internalVolumeId</b>	int(11)	false	GUID of the internal-volume. References:

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

---

## 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"> <li>id in <a href="#">dwh_inventory.hv_data_store</a></li> </ul>
storageId	int(11)	false	GUID of the storage. References: <ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.storage</a></li> </ul>
qtreeId	int(11)	true	GUID of the qtree. References: <ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.qtree</a></li> </ul>
volumeId	int(11)	false	GUID of the volume. References:

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.volume</a></li> </ul>
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"> <li>id in <a href="#">dwh_inventory.hv_data_store</a></li> </ul>
nasShareId	int(11)	true	GUID of the hv nas share. References: <ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.hv_nas_share</a></li> </ul>

---

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

## dwh\_inventory.hv\_lun

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

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

## **dwh\_inventory.hv\_lun\_to\_volume**

Map HV lun to a SAN volume

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

Column	Type	Nullable	Description
<b>type</b>	enum('FC', 'ISCSI', 'GENERIC')	false	Type of the volume access technology.

---

## dwh\_inventory.hv\_nas\_share

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the NAS share.
<b>dataStoreId</b>	int(11)	true	[Deprecated] GUID of the datastore. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.hv_data_store</a></li> </ul>
<b>naturalKey</b>	varchar(768)	false	Natural identifier of the NAS share.
<b>filerName</b>	varchar(255)	true	Name of filer for the nas share.
<b>filerIp</b>	varchar(255)	true	IP address of the filer for the nas share.
<b>sharePath</b>	varchar(512)	true	Path in the logical disk to which this share refers.
<b>capacityMB</b>	int(11)	true	Capacity on the share that is visible to hosts, in MB.
<b>type</b>	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
<b>id</b>	int(11)	false	GUID of the relationship between a NAS share to a share.
<b>nasShareId</b>	int(11)	false	GUID of NAS share. References:

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

---

## 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"> <li>id in <a href="#">dwh_inventory.hv_lun</a></li> </ul>
hostId	int(11)	true	GUID of the host. References: <ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.host</a></li> </ul>
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
<b>type</b>	enum('FC', 'ISCSI', 'UNKNOWN')	false	Path type (FC, ISCSI or UNKNOWN).
<b>active</b>	tinyint(4)	true	Indicates whether this path is active.

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## dwh\_inventory.hv\_server

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the ESX server.
<b>hostId</b>	int(11)	true	GUID of the host. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.host</a></li> </ul>
<b>naturalKey</b>	varchar(768)	false	Natural identifier of the ESX server.
<b>moid</b>	varchar(255)	true	Managed Object ID, assigned to the server in Virtual Center.
<b>virtualCenterIp</b>	varchar(255)	true	IP address of virtual center.
<b>clusterName</b>	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.
<b>dataCenterName</b>	varchar(255)	true	Name of data center.

---

## dwh\_inventory.hv\_virtual\_disk

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the virtual disk.
<b>dataStoreId</b>	int(11)	true	GUID of the datastore for the virtual disk. References: <ul style="list-style-type: none"> <li>• <b>id</b> in <a href="#">dwh_inventory.hv_data_store</a></li> </ul>
<b>lunId</b>	int(11)	true	RDM VMDK only, GUID of the lun associated with the virtual disk. References: <ul style="list-style-type: none"> <li>• <b>id</b> in <a href="#">dwh_inventory.hv_lun</a></li> </ul>
<b>naturalKey</b>	varchar(768)	false	Natural identifier of the virtual disk.
<b>name</b>	varchar(255)	false	Name of the virtual disk.
<b>type</b>	varchar(255)	true	Type of the virtual disk.
<b>capacityMB</b>	bigint(20)	true	Capacity of the virtual disk, in MB.
<b>usedCapacityMB</b>	bigint(20)	true	Capacity consumed from the data-store, as reported by device, in MB.
<b>usedCapacityForReportingMB</b>	bigint(20)	true	Capacity consumed from the data-store, may be smaller than capacityMB for thin-provisioned VMDKs, in MB.
<b>url</b>	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
<b>virtualDiskId</b>	int(11)	false	GUID of the virtual disk. References: <ul style="list-style-type: none"><li>• id in <a href="#">dwh_inventory.hv_virtual_disk</a></li></ul>
<b>storageId</b>	int(11)	false	GUID of the storage. References: <ul style="list-style-type: none"><li>• id in <a href="#">dwh_inventory.storage</a></li></ul>
<b>qtreeId</b>	int(11)	true	GUID of the qtree. References: <ul style="list-style-type: none"><li>• id in <a href="#">dwh_inventory.qtree</a></li></ul>
<b>volumeId</b>	int(11)	false	GUID of the volume. References: <ul style="list-style-type: none"><li>• id in <a href="#">dwh_inventory.volume</a></li></ul>

---

## dwh\_inventory.hv\_virtual\_machine

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the virtual machine.
<b>hostId</b>	int(11)	true	GUID of host owning the virtual machine. References:

Column	Type	Nullabl e	Description
			<ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.host</a></li> </ul>
<b>moid</b>	varchar(255)	true	Managed Object ID, assigned to the virtual machine in Virtual Center.
<b>name</b>	varchar(255)	true	Name of the virtual machine.
<b>dnsName</b>	varchar(255)	true	Fully qualified domain name of the virtual machine.
<b>ips</b>	varchar(4096)	true	Comma separated list of IP addresses of the virtual machine.
<b>powerState</b>	enum('poweredOf f', 'poweredOn', 'suspended')	false	Power state of the virtual machine combined with the state of the guest OS
<b>powerStateChangeTim e</b>	datetime	true	Time when the power state has changed to the current value.
<b>guestState</b>	enum('notRunning', 'resetting', 'running', 'shuttingDown', 'standby', 'unknown')	false	The combined state of the virtual hardware of the virtual machine and of the guest OS.
<b>os</b>	varchar(255)	true	Guest operating system.
<b>processors</b>	int(11)	true	Number of processors of the virtual machine.
<b>memory</b>	bigint(20)	true	Memory of the virtual machine, in MB.
<b>dataStoreId</b>	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"> <li>id in <a href="#">dwh_inventory.hv_data_store</a></li> </ul>
<b>naturalKey</b>	varchar(255)	true	Natural identifier of the virtual machine.
<b>virtualCenterIp</b>	varchar(255)	true	IP address of virtual center.
<b>provisionedCapacityMB</b>	bigint(20)	true	Amount of storage provisioned to the virtual machine, in MB.
<b>usedCapacityMB</b>	bigint(20)	true	Amount of space actually used by the virtual machine, in MB.
<b>url</b>	varchar(255)	true	Url to this virtual machine in Insight Server.

## [dwh\\_inventory.hv\\_virtual\\_machine\\_to\\_disk](#)

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

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.hv_virtual_disk</a></li> </ul>

## 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"> <li>id in <a href="#">dwh_inventory.storage_pool</a></li> </ul>
storageId	int(11)	false	GUID of the storage array (filer). References: <ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.storage</a></li> </ul>
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
<b>thinProvisioningSupported</b>	char(1)	false	Whether this internal-volume supports thin provisioning for the volume layer on top of it.
<b>thinProvisioned</b>	char(1)	false	Whether this internal-volume is thin provisioned. default false.
<b>spaceGuarantee</b>	enum('FILE', 'PARTIAL', 'VOLUME', 'NONE')	true	Space Guarantee policy
<b>dedupeEnabled</b>	char(1)	false	Is dedupe enabled on the internal volume. default false.
<b>cloneSourceId</b>	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"> <li>• id in <a href="#">dwh_inventory.internal_volume</a></li> </ul>
<b>snapshotCount</b>	int(11)	true	Number of snapshots on the internal-volumes.
<b>lastSnapshotTime</b>	datetime	true	Time of the last snapshot
<b>lastKnownAccessTime</b>	datetime	true	Time of the last access to the internal-volume.
<b>status</b>	varchar(255)	false	Status of the internal-volume (e.g offline online ...)
<b>virtualStorage</b>	varchar(255)	true	Specifies VirtualStorage(e.g.vFiler)

Column	Type	Nullable	Description
<b>protectionType</b>	varchar(255)	true	Specifies the protection type for the internal volume (e.g. SnapMirror, SnapVault ...).
<b>flashPoolEligibility</b>	enum('READ', 'READ-WRITE', 'NONE')	true	Indicates whether the internal volume can use flash pool.
<b>dedupeRatio</b>	float	true	Ratio of dedupe compression. Value between 0 and 1.
<b>totalAllocatedCapacityMB</b>	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
<b>totalUsedCapacityMB</b>	bigint(20)	false	Capacity consumed by internal-volume from storage pool.
<b>totalUsedCapacityFromDeviceMB</b>	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
<b>dataAllocatedCapacityMB</b>	bigint(20)	true	Capacity allocated for an internal-volume as reported by the storage-array in MB. Does not include capacity allocated for snapshots.
<b>dataUsedCapacityMB</b>	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.
<b>snapshotAllocatedCapacityMB</b>	bigint(20)	true	Capacity allocated for internal-volume snapshots in MB.
<b>snapshotUsedCapacityMB</b>	bigint(20)	true	Capacity used for internal-volume snapshots in MB.
<b>rawToUsableRatio</b>	float	false	The ratio between disk raw capacity and usable capacity for the internal-volume. Affected by the RAID level and other overheads.
<b>otherUsedCapacityMB</b>	bigint(20)	true	Additional overhead that has not been included in Data/Snapshot Used Capacity for the internal-volume. totalUsedCapacityMB = dataUsedCapacityMB + snapShotUsedCapacityMB + otherUsedCapacityMB.
<b>otherAllocatedCapacityMB</b>	bigint(20)	true	Additional overhead that has not been included in Data/Snapshot Allocated Capacity for the internal-volume. totalAllocatedCapacityMB = dataAllocatedCapacityMB + snapShotAllocatedCapacityMB + otherAllocatedCapacityMB.
<b>totalCloneSavedCapacityMB</b>	bigint(20)	true	Capacity which the clone internal-volume shares with its source internal-volume
<b>compressionEnabled</b>	char(1)	false	Is compression enabled on the internal volume.

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

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## **dwh\_inventory.internal\_volume\_to\_application**

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

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## **dwh\_inventory.iscsi\_logical**

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

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

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## [dwh\\_inventory.license\\_details](#)

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

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

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## dwh\_inventory.logical

Represents a logical path between a host and a volume.

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the logical path.
<b>hostId</b>	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"> <li><b>id</b> in <a href="#">dwh_inventory.host</a></li> </ul>
<b>genericDeviceId</b>	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"> <li>• <code>id</code> in <a href="#">dwh_inventory.generic_device</a></li> </ul>
<b>storageId</b>	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"> <li>• <code>id</code> in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>tapeId</b>	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"> <li>• <code>id</code> in <a href="#">dwh_inventory.tape</a></li> </ul>
<b>volumeId</b>	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"> <li>• <code>id</code> in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>minHopNumber</b>	int(11)	true	Minimal switch hops for the logical path.
<b>hopsToDisplay</b>	varchar(255)	true	Comma separated list of switch hop counts corresponding to the different underlying paths for this logical path.
<b>numberOfFabrics</b>	int(11)	true	Number of fabrics utilized by the logical path.
<b>numberOfHostPorts</b>	int(11)	true	Number of host ports used by the logical path.
<b>numberOfStoragePorts</b>	int(11)	true	Number of storage ports used by the logical path.

Column	Type	Nullable	Description
<b>spf</b>	tinyint(4)	true	Indicates whether the logical path has a single point of failure.

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## **dwh\_inventory.nas\_cr\_logical**

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

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## **dwh\_inventory.nas\_file\_share**

A shared folder in NAS storage arrays (filers)

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

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## dwh\_inventory.nas\_logical

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the NAS logical path.

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

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## [dwh\\_inventory.nas\\_share](#)

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



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

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## dwh\_inventory.nas\_share\_initiator

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

---

## dwh\_inventory.object\_to\_annotation

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

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li><code>id</code> in <a href="#">dwh_inventory.disk_group</a></li> </ul>
<b>objectType</b>	enum('Application', 'DataSource', 'Disk', 'DiskGroup', 'HV_DataStore', 'HV_VirtualDisk', 'HV_VirtualMachine', 'Host', 'InternalVolume', 'Port', 'Qtree', 'Quota', 'Share', 'Storage', 'StorageNode', 'StoragePool', 'Switch', 'Tape', 'Unknown', 'Volume')	false	Type of the annotated object.
<b>annotationType</b>	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
<b>id</b>	int(11)	false	GUID of the physical path.
<b>hostId</b>	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"> <li>id in <a href="#">dwh_inventory.host</a></li> </ul>
<b>genericDeviceId</b>	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"> <li>id in <a href="#">dwh_inventory.generic_device</a></li> </ul>
<b>storageId</b>	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"> <li>id in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>tapeId</b>	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"> <li>id in <a href="#">dwh_inventory.tape</a></li> </ul>
<b>volumeId</b>	int(11)	true	<p>GUID of the target volume of the physical path.</p> <p>References:</p> <ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>hostPortWwn</b>	varchar(255)	false	WWN of the host port.
<b>storagePortWwn</b>	varchar(255)	false	WWN of the storage port.
<b>lun</b>	varchar(255)	false	Logical Unit Number (LUN) used by the host to access the volume.

## dwh\_inventory.port\_connectivity

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the port connectivity.
<b>portId</b>	int(11)	false	GUID of the first port. References: <ul style="list-style-type: none"><li>• <b>id</b> in <a href="#">dwh_inventory.storage_port</a></li><li>• <b>id</b> in <a href="#">dwh_inventory.switch_port</a></li><li>• <b>id</b> in <a href="#">dwh_inventory.tape_port</a></li><li>• <b>id</b> in <a href="#">dwh_inventory.host_port</a></li><li>• <b>id</b> in <a href="#">dwh_inventory.generic_device_port</a></li></ul>
<b>type</b>	enum('HOST_PORT', 'STORAGE_PORT', 'TAPE_PORT', 'SWITCH_PORT', 'GENERIC_DEVICE_PORT')	false	Type of the first port.
<b>wwn</b>	varchar(255)	false	WWN of the first port.
<b>connectedId</b>	int(11)	false	GUID of the second port. References: <ul style="list-style-type: none"><li>• <b>id</b> in <a href="#">dwh_inventory.storage_port</a></li><li>• <b>id</b> in <a href="#">dwh_inventory.switch_port</a></li><li>• <b>id</b> in <a href="#">dwh_inventory.tape_port</a></li><li>• <b>id</b> in <a href="#">dwh_inventory.host_port</a></li><li>• <b>id</b> in <a href="#">dwh_inventory.generic_device_port</a></li></ul>

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

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## dwh\_inventory.qtree

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

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

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## dwh\_inventory.qtree\_to\_application

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

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

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## dwh\_inventory.quota

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



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

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## dwh\_inventory.service\_level

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID for the annotation.

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

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## **dwh\_inventory.share\_to\_application**

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

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## **dwh\_inventory.storage**

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the storage array.
<b>name</b>	varchar(255)	false	Name of the storage array.

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

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

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## dwh\_inventory.storage\_controller

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

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## dwh\_inventory.storage\_node

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the storage node

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

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## [dwh\\_inventory.storage\\_node\\_to\\_internal\\_volume](#)

Lists the internal volumes used by a storage node.

Column	Type	Nullable	Description
<b>storageId</b>	int(11)	false	GUID of the storage array. References:

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

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## [dwh\\_inventory.storage\\_node\\_to\\_port](#)

Lists the ports used by a storage node.

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

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>id in <a href="#">dwh_inventory.storage_port</a></li> </ul>

---

## dwh\_inventory.storage\_node\_to\_storage\_pool

Lists the storage pools used by a storage node.

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

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## dwh\_inventory.storage\_node\_to\_volume

Lists the volumes used by a storage node.

Column	Type	Nullable	Description
<b>storageId</b>	int(11)	false	GUID of the storage array. References:

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

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## dwh\_inventory.storage\_pool

### Storage Pool

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



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

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

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

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## **dwh\_inventory.storage\_pool\_to\_backend\_lun**

Lists the backend LUNs used by a storage pool.

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

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## **dwh\_inventory.storage\_pool\_to\_disk**

Lists the disks used by a storage pool.

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

---

## dwh\_inventory.storage\_port

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

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

---

## **dwh\_inventory.storage\_to\_application**

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

---

## **dwh\_inventory.switch**

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the switch.
<b>fabricId</b>	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"> <li><b>id</b> in <a href="#">dwh_inventory.fabric</a></li> </ul>
<b>identifier</b>	varchar(768)	false	Identifier of the device.
<b>wwn</b>	varchar(255)	false	WWN of the switch.
<b>ip</b>	varchar(255)	false	IP address of the switch.
<b>name</b>	varchar(255)	false	Name of the switch.
<b>manufacturer</b>	varchar(255)	true	Manufacturer of the switch
<b>model</b>	varchar(255)	true	Model of the switch.
<b>firmware</b>	varchar(255)	true	Firmware version running on the switch.
<b>domainId</b>	varchar(255)	true	Fabric domain ID of the switch.
<b>domainIdType</b>	varchar(255)	true	Type of domain ID. Possible values are static(0) or preferred(1).
<b>priority</b>	varchar(255)	true	Priority of the switch.
<b>vsanEnabled</b>	char(1)	false	Indicates whether the switch supports VSANs.
<b>serialNumber</b>	varchar(255)	true	Serial number of the switch.
<b>manageURL</b>	varchar(255)	true	URL to the management software of the device.
<b>sanRouteEnabled</b>	char(1)	false	Indicates whether the switch supports Inter VSAN Routing (IVR).
<b>npv</b>	char(1)	false	Indication whether this is an NPV switch.

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

---

## dwh\_inventory.switch\_port

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



Column	Type	Nullable	Description
<b>fabricId</b>	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"> <li>• id in <a href="#">dwh_inventory.fabric</a></li> </ul>
<b>virtualSwitchId</b>	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"> <li>• id in <a href="#">dwh_inventory.virtual_switch</a></li> </ul>
<b>wwn</b>	varchar(255)	false	WWN of the port.
<b>status</b>	varchar(100)	true	Status of the port. Possible values are OK, NOT_LICENSED, ERROR, INACTIVE and UNKNOWN
<b>rawPortStatus</b>	varchar(255)	true	Status of the port, taken from the device itself. Refer to the device documentation for an explanation of values.
<b>type</b>	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.
<b>portPhysicalState</b>	varchar(255)	true	Current state of the port, taken from the device itself. Refer to the device documentation for an explanation of values.
<b>number</b>	bigint(20)	true	Number of the port in the containing blade
<b>blade</b>	bigint(20)	true	Number of the blade in the containing switch.
<b>portId</b>	varchar(255)	false	Id of the port.
<b>name</b>	varchar(255)	true	Name of the port.

Column	Type	Nullable	Description
<b>speed</b>	varchar(12)	true	Speed of the port, in Gbps.
<b>fc4Protocol</b>	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.
<b>classOfService</b>	varchar(255)	true	Class of service for the FC protocol.
<b>gbicType</b>	varchar(255)	true	Type of GBIC (Gigabit Interface Converter) used for the port.
<b>url</b>	varchar(255)	true	Url to this port in Insight Server.
<b>isGenerated</b>	char(1)	false	Indication whether this is a generated wwn (if we do not know the real wwn).
<b>active</b>	char(1)	false	True if the port is not dead

---

## **dwh\_inventory.switch\_port\_to\_application**

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

Column	Type	Nullable	Description
<b>inherited</b>	char(1)	false	This application is inherited.

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## dwh\_inventory.switch\_to\_application

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

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## dwh\_inventory.tape

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

Column	Type	Nullable	Description
<b>serialNumber</b>	varchar(255)	true	Serial number for the tape.
<b>active</b>	char(1)	true	Indicates whether the tape is currently active.

---

## dwh\_inventory.tape\_controller

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

---

## dwh\_inventory.tape\_port

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the tape port.
<b>controllerId</b>	int(11)	false	GUID of the controller where this port resides. References:

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

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## [dwh\\_inventory.tier](#)

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID for the annotation.
<b>name</b>	varchar(255)	false	Value of the annotation.
<b>sequence</b>	int(11)	true	Sequence number determining the order of enumeration values. This is used primarily for display purposes.
<b>cost</b>	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"><li>id in <a href="#">dwh_inventory.host</a></li></ul>
storageId	int(11)	false	GUID of the target storage of the generic logical path with unknown type. References: <ul style="list-style-type: none"><li>id in <a href="#">dwh_inventory.storage</a></li></ul>
volumeId	int(11)	false	GUID of the target volume of the generic logical path with unknown type. References: <ul style="list-style-type: none"><li>id in <a href="#">dwh_inventory.volume</a></li></ul>

---

## dwh\_inventory.violation

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

Column	Type	Nullable	Description
<b>hostId</b>	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"> <li>• id in <a href="#">dwh_inventory.host</a></li> </ul>
<b>genericDeviceId</b>	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"> <li>• id in <a href="#">dwh_inventory.generic_device</a></li> </ul>
<b>storageId</b>	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"> <li>• id in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>tapeId</b>	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"> <li>• id in <a href="#">dwh_inventory.tape</a></li> </ul>

Column	Type	Nullable	Description
<b>volumeId</b>	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"> <li>• <b>id</b> in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>volumeName</b>	varchar(255)	true	<p>Name of the volume. This would be available even if there is a Path Violations with missing volume</p>
<b>type</b>	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
<b>technologyType</b>	enum('FC', 'ISCSI', 'HV')	false	The technology type (FC, ISCSI, HV) for the violation
<b>since</b>	datetime	false	Time when the violation started.

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## dwh\_inventory.virtual\_switch

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

Column	Type	Nullable	Description
<b>npv</b>	char(1)	false	Indication whether this is an NPV switch.
<b>isGenerated</b>	char(1)	false	Indication whether this switch does not correspond to a physical device. It is used to model one to many port connectivity.
<b>type</b>	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
<b>virtualVolumeId</b>	int(11)	false	GUID of the volume. References: <ul style="list-style-type: none"> <li>• <b>id</b> in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>backendVolumeId</b>	int(11)	false	GUID of the backend Volume. References: <ul style="list-style-type: none"> <li>• <b>id</b> in <a href="#">dwh_inventory.volume</a></li> </ul>

---

### **dwh\_inventory.vm\_to\_application**

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

---

## dwh\_inventory.volume

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the volume.
<b>storageId</b>	int(11)	false	GUID of the storage where this volume resides. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>internalVolumeId</b>	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"> <li><b>id</b> in <a href="#">dwh_inventory.internal_volume</a></li> </ul>

Column	Type	Nullable	Description
<b>qtreeId</b>	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"><li>• id in <a href="#">dwh_inventory.qtree</a></li></ul>
<b>name</b>	varchar(255)	true	Name of the volume.
<b>label</b>	varchar(255)	true	Label (description) of the volume.
<b>thinProvisioned</b>	char(1)	false	Whether this volume is thin provisioned.
<b>capacityMB</b>	bigint(20)	false	Volume usable capacity (as seen by the host or other SCSI initiators) in MB.
<b>consumedCapacityMB</b>	bigint(20)	false	Presents the capacity that is being consumed in MB.
<b>writtenCapacityMB</b>	bigint(20)	true	Presents the capacity that is being written in MB.
<b>rawCapacityMB</b>	bigint(20)	false	Actual raw disk capacity used by the volume, in MB.
<b>type</b>	varchar(255)	true	Vendor-specific type of volume (e.g., SFS, BCV).
<b>replicaSource</b>	char(1)	true	Indicates whether this volume is a source in a replica.
<b>replicaTarget</b>	char(1)	true	Indicates whether this volume is a target in a replica.
<b>snapshot</b>	char(1)	true	Indicates whether this volume is a snapshot volume.
<b>cylinders</b>	int(11)	true	Number of cylinders in the volume.

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

Column	Type	Nullable	Description
<b>lastKnownAccessTime</b>	datetime	true	Specifies the last time known to SANscreen in which the volume was accessed for read or write (NULL if time is unavailable).
<b>url</b>	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
<b>storageId</b>	int(11)	false	GUID of the storage array. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>volumeId</b>	int(11)	false	GUID of the volume. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>storagePoolId</b>	int(11)	false	GUID of the storage pool. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.storage_pool</a></li> </ul>
<b>volumeMembersCapacityMB</b>	bigint(20)	false	Capacity of all volume-members on the storage-pool contributing to a volume, in MB.

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

Column	Type	Nullable	Description
<b>wwnSecurityValidity</b>	tinyint(4)	false	Indicates whether access to the volume requires additional masking configuration.

---

## dwh\_inventory.volume\_mask

Column	Type	Nullable	Description
<b>id</b>	int(11)	false	GUID of the volume mask entry.
<b>volumeId</b>	int(11)	false	GUID of the volume to which the volume mask entry refers. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.volume</a></li> </ul>
<b>storageId</b>	int(11)	false	GUID of the storage on which the volume mask entry is defined. References: <ul style="list-style-type: none"> <li><b>id</b> in <a href="#">dwh_inventory.storage</a></li> </ul>
<b>protocolController</b>	varchar(255)	true	Name of the protocol controller which defines the volume mask entry.
<b>storagePortWwn</b>	varchar(255)	true	WWN of the storage port to which the volume mask entry refers.
<b>initiatorWwn</b>	varchar(255)	false	WWN of the initiator port to which the volume mask entry refers.
<b>hostId</b>	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"> <li><code>id</code> in <a href="#">dwh_inventory.host</a></li> </ul>
<code>type</code>	enum('FC', 'ISCSI')	false	Type of the volume access technology.

---

## dwh\_inventory.volume\_to\_application

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

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## dwh\_inventory.zone

Zone and Zone Capabilities info.

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

Column	Type	Nullable	Description
<b>fabricId</b>	int(11)	false	GUID of the fabric where the zone is defined. References: <ul style="list-style-type: none"><li>• <b>id</b> in <a href="#">dwh_inventory.fabric</a></li></ul>
<b>name</b>	varchar(255)	false	Name of the zone. Part of the natural-key.
<b>fabricWwn</b>	varchar(255)	false	WWN of the fabric where the zone is defined.
<b>configurationName</b>	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
<b>id</b>	int(11)	false	GUID of the zone_member.
<b>zoneId</b>	int(11)	false	GUID of the zone. References: <ul style="list-style-type: none"><li>• <b>id</b> in <a href="#">dwh_inventory.zone</a></li></ul>
<b>fabricId</b>	int(11)	false	GUID of the fabric where the zone is defined. References: <ul style="list-style-type: none"><li>• <b>id</b> in <a href="#">dwh_inventory.fabric</a></li></ul>
<b>type</b>	enum('WWN', 'SWITCH')	false	Member zoning type. Can be either WWN (Soft) or SWITCH (Hard).
<b>wwn</b>	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
<b>zoneName</b>	varchar(255)	false	Name of the zone.

## dwh\_performance

### dwh\_performance.application\_dimension

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

### dwh\_performance.application\_group\_bridge

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

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## [dwh\\_performance.application\\_group\\_dimension](#)

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

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

## dwh\_performance.application\_volume\_hourly\_performance\_fact

The performance data for applications.

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

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

Column	Type	Nullable	Description
<b>sumOfAveragesVolumeThroughput</b>	double	true	The sum of totalThroughput for all volume hourly samples related to application. Represents the average usage for application.
<b>maxOfMaxVolumeThroughput</b>	double	false	The maximum totalThroughputMax for all volume hourly samples related to application. Represents the best case scenario of max usage for application.
<b>sumOfMaxVolumeThroughput</b>	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.
<b>readIops</b>	double	false	Read io per second average.
<b>writeIops</b>	double	false	Write io per second average.
<b>sumOfAveragesVolumeIops</b>	double	false	The sum of totalIops for all volume hourly samples related to application. Represents the average usage for application.
<b>maxOfMaxVolumeIops</b>	double	false	The maximum totalIopsMax for all volume hourly samples related to application. Represents the best case scenario of max usage for application.
<b>sumOfMaxVolumeIops</b>	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.
<b>readCacheHitRatio</b>	double	true	The read cache hit ratio.
<b>writeCacheHitRatio</b>	double	true	The write cache hit ratio.
<b>totalCacheHitRatio</b>	double	true	The total cache hit ratio.
<b>totalCacheHitRatioMax</b>	double	true	The maximum total cache hit ratio.

Column	Type	Nullable	Description
<b>writePending</b>	bigint(20)	false	Number of pending writes.
<b>readIoDensity</b>	double	true	Read io density.
<b>writeIoDensity</b>	double	true	Write io density.
<b>totalIoDensity</b>	double	true	Total io density.
<b>totalIoDensityMax</b>	double	true	The maximun total io density.

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## dwh\_performance.business\_entity\_dimension

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of this business entity row.
<b>fullname</b>	varchar(1024)	false	Name of the business entity.
<b>tenant</b>	varchar(255)	false	Name of the tenant.
<b>lob</b>	varchar(255)	false	Name of the line of business.
<b>businessUnit</b>	varchar(255)	false	Name of the business unit.
<b>project</b>	varchar(255)	false	Name of the project.
<b>id</b>	int(11)	true	GUID of the business entity in dwh_inventory.business_entity.
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this business entity.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_performance.date_dimension</a></li> </ul>

## dwh\_performance.capacity\_volume\_fact\_current

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

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

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## **dw\_h\_performance.connected\_device\_dimension**

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

Column	Type	Nullable	Description
<b>model</b>	varchar(255)	true	Manufacturer model of the device.
<b>type</b>	enum('Storage', 'Host', 'Switch', 'NPV Switch', 'Generic', 'Tape')	true	Type of the device.
<b>firmware</b>	varchar(255)	true	Firmware version running on the device.
<b>id</b>	int(11)	true	The ID of the device
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this device.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_performance.date_dimension</a></li> </ul>

## dwh\_performance.datastore\_dimension

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

Column	Type	Nullable	Description
<b>id</b>	int(11)	true	GUID of the datastore in dwh_inventory.hv_data_store
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this datastore.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_performance.date_dimension</a></li> </ul>

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## dwh\_performance.date\_dimension

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

Column	Type	Nullable	Description
<b>quarterLabel</b>	char(7)	false	Quarter formatted as String
<b>dayInQuarter</b>	smallint(6)	false	Day in quarter of the date object. First day of the quarter has value 1.
<b>repQuarter</b>	tinyint(4)	false	Indicates whether this date is the first date available for its quarter.
<b>repMonth</b>	tinyint(4)	false	Indicates whether this date is the first date available for its month.
<b>repWeek</b>	tinyint(4)	false	Indicates whether this date is the first date available for its week.
<b>repDay</b>	tinyint(4)	false	Indicates whether this date is the first date available for its day.
<b>repMonthOrLatest</b>	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
<b>sspFlag</b>	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.
<b>latest</b>	char(1)	true	Indicates whether this date is the last date available in the table.
<b>future</b>	char(1)	false	Indicates whether this date is a future date (projection) or regular one.

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## dwh\_performance.disk\_daily\_performance\_fact

The daily performance data for disks.

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

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

## dwh\_performance.disk\_dimension

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of this disk row.
<b>identifier</b>	varchar(768)	false	Identifier of the disk.
<b>storageIdentifier</b>	varchar(768)	true	Identifier of the disk storage.
<b>name</b>	varchar(255)	true	Name of the disk.
<b>speed</b>	int(11)	true	Speed of disk.
<b>location</b>	varchar(255)	true	Disk location.
<b>role</b>	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')		
<b>vendor</b>	varchar(255)	true	Disk vendor (e.g. NetApp, SEAGATE).
<b>model</b>	varchar(255)	true	Disk model.
<b>type</b>	enum('ATA', 'FATA', 'SATA', 'SATA2', 'SATA3', 'FC', 'SAS', 'SSD', 'OTHER')	false	Type enumeration for the disk (e.g. SATA, FC).
<b>diskGroup</b>	varchar(255)	true	Identifier for disk group the disk belongs to (e.g. rg0, 7).
<b>status</b>	enum('NORMAL', 'FAILED', 'QUESTIONABLE', 'ZEROING', 'COPYING', 'PENDING', 'PARTNER', 'RECONSTRUCTIN G', 'OTHER')	false	Status enumeration for disk (e.g. NORMAL, FAILED).
<b>serialNumber</b>	varchar(255)	true	The disk serial number
<b>url</b>	varchar(255)	true	Url to this disk in Insight Server.
<b>id</b>	int(11)	true	GUID of the disk in dwh_inventory.disk
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this disk.



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

## dwh\_performance.disk\_hourly\_performance\_fact

The hourly performance data for disks.

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

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

Column	Type	Nullable	Description
<b>timestamp</b>	bigint(20)	false	fact start timestamp, for partitioning

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## dwh\_performance.fabric\_dimension

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of this fabric row.
<b>identifier</b>	varchar(768)	false	Identifier of the fabric.
<b>wwn</b>	varchar(255)	false	WWN of the fabric.
<b>name</b>	varchar(255)	false	Name of the fabric.
<b>vsanEnabled</b>	char(1)	false	Indicates whether this fabric is a VSAN.
<b>vsanId</b>	varchar(255)	true	Identifier for the VSAN in case this fabric is a VSAN.
<b>zoningEnabled</b>	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.
<b>url</b>	varchar(255)	true	Url to this fabric in Insight Server.
<b>id</b>	int(11)	true	GUID of the fabric in dwh_inventory.fabric
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this fabric.
<b>dateTk</b>	int(11)	true	TK of the date in which this fabric row was created. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.date_dimension</a></li> </ul>

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## dwh\_performance.host\_dimension

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

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## dwh\_performance.host\_group\_bridge

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

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

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## dwh\_performance.host\_group\_dimension

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

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## dwh\_performance.host\_vm\_daily\_performance\_fact

The performance daily data for host vm performance.

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

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

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## dwh\_performance.host\_vm\_hourly\_performance\_fact

The performance hourly data for host performance.

Column	Type	Nullabl e	Description
<b>tk</b>	bigint(20 )	false	TK of the fact.

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



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

## dwh\_performance.host\_volume\_hourly\_performance\_fact

The performance data for hosts.

Column	Type	Nullable	Description
<b>tk</b>	bigint(20)	false	TK of the fact.

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

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

Column	Type	Nullable	Description
<b>writeIops</b>	double	false	Write io per second average.
<b>sumOfAveragesVolumeIops</b>	double	false	The sum of totalIops for all volume hourly samples related to host. Represents the average usage for host.
<b>maxOfMaxVolumeIops</b>	double	false	The maximum totalIopsMax for all volume hourly samples related to host. Represents the best case scenario of max usage for host.
<b>sumOfMaxVolumeIops</b>	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.
<b>readCacheHitRatio</b>	double	true	The read cache hit ratio.
<b>writeCacheHitRatio</b>	double	true	The write cache hit ratio.
<b>totalCacheHitRatio</b>	double	true	The total cache hit ratio.
<b>totalCacheHitRatioMax</b>	double	true	The maximum total cache hit ratio.
<b>writePending</b>	bigint(20)	false	Number of pending writes.
<b>readIoDensity</b>	double	true	Read io density.
<b>writeIoDensity</b>	double	true	Write io density.
<b>totalIoDensity</b>	double	true	Total io density.
<b>totalIoDensityMax</b>	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
<b>tk</b>	int(11)	false	TK of the fact.
<b>dateTk</b>	int(11)	false	TK of the date dimension. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.date_dimension</a></li> </ul>
<b>internalVolumeTk</b>	int(11)	false	TK of the internal volume for performance numbers (if found). References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.internal_volume_dimension</a></li> </ul>
<b>storageTk</b>	int(11)	false	TK of the storage for performance numbers. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.storage_dimension</a></li> </ul>
<b>virtualStorageTk</b>	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"> <li>tk in <a href="#">dwh_performance.storage_dimension</a></li> </ul>
<b>storageNodeTk</b>	int(11)	false	TK of the storage node. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.storage_node_dimension</a></li> </ul>

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

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

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

## **dwh\_performance.internal\_volume\_dimension**

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



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

## dw\_h\_performance.internal\_volume\_hourly\_performance\_fact

The performance data for internal volumes.

Column	Type	Nullable	Description
<b>tk</b>	bigint(20)	false	TK of the fact.

Column	Type	Nullabl e	Description
<b>timeTk</b>	int(11)	false	TK of the time dimension. References: <ul style="list-style-type: none"><li>• tk in <a href="#">dwh_performance.time_dimension</a></li></ul>
<b>dateTk</b>	int(11)	false	TK of the date dimension. References: <ul style="list-style-type: none"><li>• tk in <a href="#">dwh_performance.date_dimension</a></li></ul>
<b>internalVolumeTk</b>	int(11)	false	TK of the internal volume for performance numbers (if found). References: <ul style="list-style-type: none"><li>• tk in <a href="#">dwh_performance.internal_volume_dimension</a></li></ul>
<b>storageTk</b>	int(11)	false	TK of the storage for performance numbers. References: <ul style="list-style-type: none"><li>• tk in <a href="#">dwh_performance.storage_dimension</a></li></ul>
<b>virtualStorageTk</b>	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"><li>• tk in <a href="#">dwh_performance.storage_dimension</a></li></ul>
<b>storageNodeTk</b>	int(11)	false	TK of the storage node. References:

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

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

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

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## dwh\_performance.port\_dimension

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of this port row.
<b>wwn</b>	varchar(255)	false	WWN of the port.
<b>name</b>	varchar(255)	false	Name of the port.
<b>gbicType</b>	varchar(255)	true	Type of GBIC (Gigabit Interface Converter) used for the port.
<b>type</b>	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.
<b>speed</b>	varchar(12)	true	Speed of the port, in Gbps.
<b>isGenerated</b>	char(1)	false	Indication whether this is a generated wwn (if we do not know the real wwn).

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

## dwh\_performance.qtree\_daily\_performance\_fact

The daily performance data for qtrees.

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

Column	Type	Nullable	Description
<b>storagePoolTk</b>	int(11)	false	TK of the qtree storage pool for performance counters. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.storage_pool_dimension</a></li> </ul>
<b>internalVolumeTk</b>	int(11)	false	TK of the qtree internal volume for performance counters. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.internal_volume_dimension</a></li> </ul>
<b>virtualStorageTk</b>	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"> <li>tk in <a href="#">dwh_performance.storage_dimension</a></li> </ul>
<b>tierTk</b>	int(11)	false	TK of the tier. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.tier_dimension</a></li> </ul>
<b>serviceLevelTk</b>	int(11)	false	TK of the service level. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.service_level_dimension</a></li> </ul>
<b>applicationTk</b>	int(11)	false	TK of the application. References:

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.application_dimension</a></li> </ul>
applicationGroupTk	int(11)	false	TK of the application group. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.application_group_dimension</a></li> </ul>
businessEntityTk	int(11)	false	TK of the business entity. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.business_entity_dimension</a></li> </ul>
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
<b>storageIdentifier</b>	varchar(768)	false	Identifer of the storage where this qtree resides.
<b>type</b>	enum('DEFAULT', 'EXPLICIT')	false	Qtree type.
<b>url</b>	varchar(255)	true	Url to this qtree in Insight Server.
<b>id</b>	int(11)	true	GUID of the qtree in dwh_inventory.qtree
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this qtree.
<b>dateTk</b>	int(11)	true	TK of the date in which this qtree row was created. References: <ul style="list-style-type: none"> <li>• <b>tk</b> in <a href="#">dwh_performance.date_dimension</a></li> </ul>

## dwh\_performance.qtree\_hourly\_performance\_fact

The hourly performance data for qtrees.

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

Column	Type	Nullable	Description
<b>dateTk</b>	int(11)	false	TK of the date dimension. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.date_dimension</a></li> </ul>
<b>qtreeTk</b>	int(11)	false	TK of the qtree for performance counters. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.qtree_dimension</a></li> </ul>
<b>storageTk</b>	int(11)	false	TK of the qtree storage for performance counters. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.storage_dimension</a></li> </ul>
<b>storagePoolTk</b>	int(11)	false	TK of the qtree storage pool for performance counters. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.storage_pool_dimension</a></li> </ul>
<b>internalVolumeTk</b>	int(11)	false	TK of the qtree internal volume for performance counters. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.internal_volume_dimension</a></li> </ul>
<b>virtualStorageTk</b>	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"> <li>tk in <a href="#">dwh_performance.storage_dimension</a></li> </ul>

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

Column	Type	Nullable	Description
<b>timestamp</b>	bigint(20)	false	fact start timestamp, for partitioning

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## dwh\_performance.service\_level\_dimension

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

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## dwh\_performance.storage\_dimension

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

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

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## **dwh\_performance.storage\_node\_daily\_performance\_fact**

The performance daily data for storage node performance.

Column	Type	Nullabl e	Description
<b>tk</b>	int(11)	false	TK of the fact.

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

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

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## dwh\_performance.storage\_node\_dimension

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

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

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## dwh\_performance.storage\_node\_hourly\_performance\_fact

The performance hourly data for storage node performance.

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



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

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

## dwh\_performance.storage\_pool\_dimension

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

Column	Type	Nullable	Description
<b>name</b>	varchar(255)	false	Name of the storage pool.
<b>storageName</b>	varchar(255)	false	Name of the storage where this storage pool resides.
<b>storageIP</b>	varchar(255)	false	IP of the storage where this storage pool resides.
<b>type</b>	varchar(255)	true	Storage pool type (e.g., RAID, AGGREGATE, etc.).
<b>redundancy</b>	varchar(255)	true	Storage pool redundancy.
<b>thinProvisioningSupported</b>	char(1)	true	Indicates whether thin provisioning is supported by the storage pool.
<b>isVirtual</b>	char(1)	true	Virtual indicates this is a frontend storage pool in array virtualization.
<b>usesFlashPools</b>	char(1)	false	Indicates whether this storage pool uses flash pools.
<b>url</b>	varchar(255)	true	Url to this storage pool in Insight Server.
<b>id</b>	int(11)	true	GUID of the storage pool in dwh_inventory.storage_pool
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this storage pool.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_performance.date_dime nsion</a></li> </ul>

## dwh\_performance.switch\_dimension

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

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

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## dwh\_performance.switch\_performance\_for\_host\_hourly\_fact

The performance hourly data for host using port performance.

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

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

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



Column	Type	Nullable	Description
<b>trafficRateTotal</b>	double	true	Total traffic rate
<b>trafficFrameRateTx</b>	double	true	Transfer traffic frame rate
<b>trafficFrameRateRx</b>	double	true	Receive traffic frame rate
<b>trafficFrameRateTotal</b>	double	true	Total traffic frame rate
<b>trafficFrameSizeAvgTx</b>	bigint(20)	true	Transfer traffic frame average size
<b>trafficFrameSizeAvgRx</b>	bigint(20)	true	Receive traffic frame average size
<b>portErrorsTimeoutDiscardTx</b>	bigint(20)	true	Transfer Timeout discard count
<b>portErrorsCrc</b>	bigint(20)	true	CRC errors count
<b>portErrorsEncIn</b>	bigint(20)	true	Encoding errors inside frames
<b>portErrorsEncOut</b>	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
<b>tk</b>	bigint(20)	false	TK of the fact.
<b>timeTk</b>	int(11)	false	TK of the time dimension. References:

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

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

Column	Type	Nullable	Description
<b>txMax</b>	double	true	Max transmit usage (%)
<b>trafficUtilizationTotal</b>	double	true	Total traffic usage (%)
<b>trafficUtilizationTotalMax</b>	double	true	The maximum total traffic usage (%)
<b>rxLinkResets</b>	bigint(20)	true	Receive link resets
<b>txLinkResets</b>	bigint(20)	true	Transfer link resets
<b>portErrorsLinkFailure</b>	bigint(20)	true	Link failures count
<b>bbCreditZeroRx</b>	bigint(20)	true	Receive BBCredit zero
<b>bbCreditZeroTx</b>	bigint(20)	true	Transfer BBCredit zero
<b>bbCreditZeroMsTx</b>	double	true	[Deprecated] Transfer BBCredit zero Ms
<b>bbCreditZeroTotal</b>	bigint(20)	true	Total BBCredit zero
<b>trafficRateTx</b>	double	true	Transfer traffic rate
<b>trafficRateRx</b>	double	true	Receive traffic rate
<b>trafficRateTotal</b>	double	true	Total traffic rate
<b>trafficFrameRateTx</b>	double	true	Transfer traffic frame rate
<b>trafficFrameRateRx</b>	double	true	Receive traffic frame rate
<b>trafficFrameRateTotal</b>	double	true	Total traffic frame rate
<b>trafficFrameSizeAvgTx</b>	bigint(20)	true	Transfer traffic frame average size
<b>trafficFrameSizeAvgRx</b>	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"> <li><code>tk</code> in <a href="#">dwh_performance.time_dimension</a></li> </ul>
<code>dateTk</code>	int(11)	false	TK of the date dimension. References: <ul style="list-style-type: none"> <li><code>tk</code> in <a href="#">dwh_performance.date_dimension</a></li> </ul>
<code>storageTk</code>	int(11)	false	TK of the storage. References:

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

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

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

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## dwh\_performance.switch\_performance\_for\_tape\_hourly\_fact

The tape port performance hourly data.

Column	Type	Nullabl e	Description
<b>tk</b>	bigint(20)	false	TK of the fact.
<b>timeTk</b>	int(11)	false	TK of the time dimension. References:



Column	Type	Nullabl e	Description
			<ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.time dimension</a></li> </ul>
dateTk	int(11)	false	TK of the date dimension. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.date dimension</a></li> </ul>
tapeTk	int(11)	false	TK of the tape. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.tape dimension</a></li> </ul>
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
<b>rx</b>	double	true	Receive usage (%)
<b>tx</b>	double	true	Transmit usage (%)
<b>rxMax</b>	double	true	Max receive usage (%)
<b>txMax</b>	double	true	Max transmit usage (%)
<b>trafficUtilizationTotal</b>	double	true	Total traffic usage (%)
<b>trafficUtilizationTotal Max</b>	double	true	The maximum total traffic usage (%)
<b>rxLinkResets</b>	bigint(20)	true	Receive link resets
<b>txLinkResets</b>	bigint(20)	true	Transfer link resets
<b>balanceIndex</b>	smallint(6)	true	The host port balance index
<b>weightedBalanceIndex</b>	smallint(6)	true	The host port weighted balance index
<b>portSpeed</b>	int(11)	false	The port speed for fact
<b>portCount</b>	int(11)	false	The port count for fact
<b>portErrorsLinkFailure</b>	bigint(20)	true	Link failures count
<b>bbCreditZeroRx</b>	bigint(20)	true	Receive BBCredit zero
<b>bbCreditZeroTx</b>	bigint(20)	true	Transfer BBCredit zero
<b>bbCreditZeroMsTx</b>	double	true	[Deprecated] Transfer BBCredit zero Ms
<b>bbCreditZeroTotal</b>	bigint(20)	true	Total BBCredit zero
<b>trafficRateTx</b>	double	true	Transfer traffic rate
<b>trafficRateRx</b>	double	true	Receive traffic rate
<b>trafficRateTotal</b>	double	true	Total traffic rate

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

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## dwh\_performance.tape\_dimension

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

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

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## dwh\_performance.tier\_dimension

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

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## dwh\_performance.time\_dimension

Time dimension for performance fact tables.

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of the time dimension.

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

## dwh\_performance.vm\_daily\_performance\_fact

The performance daily data for vm performance.

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

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

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

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

---

## dwh\_performance.vm\_dimension

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of this virtual machine row.
<b>name</b>	varchar(255)	false	Name of the virtual machine.
<b>naturalKey</b>	varchar(768)	false	Natural identifier of the virtual machine.
<b>os</b>	varchar(255)	true	Guest operating system.
<b>virtualCenterIp</b>	varchar(255)	true	IP address of virtual center of the virtual machine.
<b>ips</b>	varchar(4096)	true	Comma separated list of IP addresses of the virtual machine.
<b>url</b>	varchar(255)	true	Url to this virtual machine in Insight Server.
<b>id</b>	int(11)	true	GUID of the virtual machine in dwh_inventory.hv_virtual_machine
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this virtual machine.
<b>dateTk</b>	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"> <li>tk in <a href="#">dwh_performance.date_dimension</a></li> </ul>

## 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"> <li>tk in <a href="#">dwh_performance.time_dimension</a></li> </ul>
dateTk	int(11)	false	TK of the date dimension. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.date_dimension</a></li> </ul>
hostTk	int(11)	false	TK of the host. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.host_dimension</a></li> </ul>
vmTk	int(11)	false	TK of the vm. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.vm_dimension</a></li> </ul>

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

Column	Type	Nullable	Description
<b>writeResponseTime</b>	double	true	Write response time.
<b>totalResponseTime</b>	double	true	Total response time.
<b>totalResponseTimeMax</b>	double	true	Total max response time.
<b>ipReceiveThroughput</b>	double	true	Ip Receive Throughput.
<b>ipTransmitThroughput</b>	double	true	Ip Transmit Throughput.
<b>ipTotalThroughput</b>	double	true	Ip Total Throughput.
<b>ipTotalThroughputMax</b>	double	true	The maximum ip Total Throughput.
<b>cpuUtilization</b>	double	true	CPU utilization (%)
<b>memoryUtilization</b>	double	true	Memory utilization (%)
<b>swapInRate</b>	double	true	Swap in rate
<b>swapOutRate</b>	double	true	Swap out rate
<b>swapTotalRate</b>	double	true	Total swap rate
<b>swapTotalRateMax</b>	double	true	The maximum total swap rate
<b>processors</b>	int(11)	true	Number of processors of the virtual machine.
<b>memory</b>	bigint(20)	true	Memory of the virtual machine, in MB.
<b>timestamp</b>	bigint(20)	false	fact start timestamp, for partitioning

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**dwh\_performance.vmdk\_daily\_performance\_fact**

The performance daily data for vmdk performance.

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

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

Column	Type	Nullable	Description
<b>timestamp</b>	bigint(20)	false	fact start timestamp, for partitioning

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## dwh\_performance.vmdk\_dimension

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

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## dwh\_performance.vmdk\_hourly\_performance\_fact

The performance hourly data for vmdk performance.

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

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



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

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## **dwh\_performance.volume\_daily\_performance\_fact**

The performance daily data for volumes.

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

Column	Type	Nullable	Description
<b>virtualStorageTk</b>	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"><li>tk in <a href="#">dwh_performance.storage_dimension</a></li></ul>
<b>storageNodeTk</b>	int(11)	false	TK of the storage node. References: <ul style="list-style-type: none"><li>tk in <a href="#">dwh_performance.storage_node_dimension</a></li></ul>
<b>storagePoolTk</b>	int(11)	false	TK of the storage pool for performance numbers. References: <ul style="list-style-type: none"><li>tk in <a href="#">dwh_performance.storage_pool_dimension</a></li></ul>
<b>applicationTk</b>	int(11)	false	TK of the application representative. References: <ul style="list-style-type: none"><li>tk in <a href="#">dwh_performance.application_dimension</a></li></ul>
<b>applicationGroupTk</b>	int(11)	false	TK of the application group. References: <ul style="list-style-type: none"><li>tk in <a href="#">dwh_performance.application_group_dimension</a></li></ul>
<b>hostTk</b>	int(11)	false	TK of the host representative. References:

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.host_dimension</a></li> </ul>
hostGroupTk	int(11)	false	TK of the host group. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.host_group_dimension</a></li> </ul>
tierTk	int(11)	false	TK of the tier. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.tier_dimension</a></li> </ul>
serviceLevelTk	int(11)	false	TK of the service level. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.service_level_dimension</a></li> </ul>
businessEntityTk	int(11)	false	TK of the business entity. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.business_entity_dimension</a></li> </ul>
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	Nullabl e	Description
<b>readThroughput</b>	double	true	Read throughput average.
<b>writeThroughput</b>	double	true	Write throughput average.
<b>totalThroughput</b>	double	true	Total throughput average (read+write).
<b>totalThroughputMax</b>	double	false	The maximum total throughput.
<b>readIops</b>	double	true	Read io per second average.
<b>writeIops</b>	double	true	Write io per second average.
<b>totalIops</b>	double	true	Total io per second average (read+write).
<b>totalIopsMax</b>	double	false	The max io per second.
<b>readCacheHitRatio</b>	double	true	The read cache hit ratio.
<b>writeCacheHitRatio</b>	double	true	The write cache hit ratio.
<b>totalCacheHitRatio</b>	double	true	The total cache hit ratio.
<b>totalCacheHitRatioMax</b>	double	true	The maximum total cache hit ratio.
<b>writePending</b>	bigint(20)	false	Number of pending writes maximum for day.
<b>readIoDensity</b>	double	true	Read io density.
<b>writeIoDensity</b>	double	true	Write io density.
<b>totalIoDensity</b>	double	true	Total io density.
<b>totalIoDensityMax</b>	double	true	The maximun total io density.
<b>accessed</b>	int(11)	false	Is volume accessed?

Column	Type	Nullable	Description
<b>frontend</b>	char(1)	false	Is volume frontend?
<b>backend</b>	char(1)	false	Is volume backend?
<b>timestamp</b>	bigint(20)	false	fact start timestamp, for partitioning

## dwh\_performance.volume\_dimension

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

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

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## dwh\_performance.volume\_hourly\_performance\_fact

The performance data for volumes.

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

Column	Type	Nullable	Description
<b>volumeTk</b>	int(11)	false	TK of the volume for performance numbers. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.volume_dimension</a></li> </ul>
<b>storageTk</b>	int(11)	false	TK of the storage for performance numbers. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.storage_dimension</a></li> </ul>
<b>virtualStorageTk</b>	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"> <li>tk in <a href="#">dwh_performance.storage_dimension</a></li> </ul>
<b>storageNodeTk</b>	int(11)	false	TK of the storage node. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.storage_node_dimension</a></li> </ul>
<b>storagePoolTk</b>	int(11)	false	TK of the storage pool for performance numbers. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_performance.storage_pool_dimension</a></li> </ul>
<b>applicationTk</b>	int(11)	false	TK of the application representative. References:

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



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

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

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## dwh\_ports

### dwh\_ports.cardinals

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

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### dwh\_ports.connected\_device\_dimension

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

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## dwh\_ports.date\_dimension

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of the date object.
<b>fullDate</b>	datetime	false	Date of the date object.

Column	Type	Nullable	Description
<b>dayInMonth</b>	tinyint(4)	false	Day of the month for the date object. The first day of the month has value 1.
<b>dayInYear</b>	smallint(6)	false	Day in year of the date object. The first day of the year has value 1.
<b>dateYear</b>	smallint(6)	false	Year of the date object.
<b>yearLabel</b>	char(4)	false	Year formatted as String
<b>monthNum</b>	tinyint(4)	false	Month of the date object. January has value 1.
<b>monthLabel</b>	char(7)	false	Month formatted as String
<b>dayInWeekNum</b>	tinyint(4)	false	Day of the week for the date object. Sunday has value 1.
<b>quarter</b>	tinyint(4)	false	Quarter of the date object. First quarter has value 1.
<b>quarterLabel</b>	char(7)	false	Quarter formatted as String
<b>dayInQuarter</b>	smallint(6)	false	Day in quarter of the date object. First day of the quarter has value 1.
<b>repQuarter</b>	tinyint(4)	false	Indicates whether this date is the first date available for its quarter.
<b>repMonth</b>	tinyint(4)	false	Indicates whether this date is the first date available for its month.
<b>repWeek</b>	tinyint(4)	false	Indicates whether this date is the first date available for its week.
<b>repDay</b>	tinyint(4)	false	Indicates whether this date is the first date available for its day.
<b>repMonthOrLatest</b>	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
<b>sspFlag</b>	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.
<b>latest</b>	char(1)	true	Indicates whether this date is the last date available in the table.
<b>future</b>	char(1)	false	Indicates whether this date is a future date (projection) or regular one.

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## dwh\_ports.port\_dimension

Column	Type	Nullable	Description
<b>tk</b>	int(11)	false	TK of this port row.
<b>wwn</b>	varchar(255)	false	WWN of the port.
<b>name</b>	varchar(255)	false	Name of the port.
<b>gbicType</b>	varchar(255)	true	Type of GBIC (Gigabit Interface Converter) used for the port.
<b>type</b>	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.
<b>speed</b>	varchar(12)	true	Speed of the port, in Gbps.
<b>isGenerated</b>	char(1)	false	Indication whether this is a generated wwn (if we do not know the real wwn).
<b>url</b>	varchar(255)	true	Url to this port in Insight Server.
<b>id</b>	int(11)	true	GUID of the port in dwh_inventory.switch_port.
<b>latest</b>	char(1)	true	Indicates whether this row is the latest one for this port.

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

## dwh\_ports.ports\_fact

Fact describes a port and its connectivity.

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

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li><code>tk</code> in <a href="#">dwh_ports.port_dimension</a></li> </ul>
<b>fabric</b>	varchar(255)	true	Name or WWN for the fabric (or VSAN) on which the port is configured to operate.
<b>speed</b>	varchar(12)	true	Speed of the port, in Gbps.
<b>connectivityType</b>	enum('Storage', 'Host', 'Switch', 'Free', 'Generic', 'Tape')	false	Type of the connected device.
<b>type</b>	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.
<b>status</b>	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
<b>tk</b>	int(11)	false	TK of the fact.
<b>dateTk</b>	int(11)	false	TK of the date. References:

Column	Type	Nullable	Description
			<ul style="list-style-type: none"> <li>tk in <a href="#">dwh_ports.date_dimension</a></li> </ul>
switchTk	int(11)	false	TK of the switch containing the port. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_ports.switch_dimension</a></li> </ul>
connectedDeviceTk	int(11)	true	TK of the device that is connected to the port. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_ports.connected_device_dimension</a></li> </ul>
portTk	int(11)	false	TK of the port. References: <ul style="list-style-type: none"> <li>tk in <a href="#">dwh_ports.port_dimension</a></li> </ul>
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	Nullable	Description
<b>status</b>	varchar(100)	true	Status of the port. Possible values are OK, NOT_LICENSED, ERROR, INACTIVE and UNKNOWN

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## dwh\_ports.switch\_dimension

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

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

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