

HPDM Database Schema Guide

HP Device Manager 4.7 SP3



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Overview

The purpose of this document is to explain the database schema of HP Device Manager 4.7. Also, this document will provide some examples of how to use tables to produce a desired report.

Overall, there are 70 tables in the HPDM database, and they can be divided into the following categories:

- Repository-related tables
- Device-related tables
- Task-related tables
- Template-related tables
- Gateway-related tables
- Privilege-related tables
- Rule- and Filter-related tables
- Grouping-related tables
- Configuration-related tables
- Deprecated tables (need no concern)

Tables

Repository-related tables

dm_repositories

This is the repository table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
repo_id	int		NO	✓	<u>dm_repo_mapping.repo_id</u> ; <u>dm_repo_protocols.repo_id</u>	Repository ID
repo_address	nvarchar	255	NO			Repository address
repo_name	nvarchar	50	NO			Repository name
status	smallint		NO			Repository sync status
sync_date	datetime	23	YES			Last synchronization time

2. Relevant UI.

The screenshot shows a modal dialog titled "Repository Management". The main area contains a table with one row, showing details for a repository named "Master Rep...". The table columns are: Name, Server Add..., HTTPS, FTP/FTPS, SFTP, Shared Fol..., and Last Time The "HTTPS" column shows "Enabled". The "Shared Fol..." column shows "Master". On the right side of the dialog, there are three buttons: "Content ...", "Mapping ...", and "Sync ...". At the bottom, there are five buttons: "Add", "Remove", "Edit", "Import", and "Export". In the bottom right corner, there is a "Close" button.

dm_repo_protocols

This is the repository protocols table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
repo_id	int	10	NO	✓	Repository ID
protocol_type	int	10	NO	✓	Repository protocol type: FTP: 10 FTPS: 11 SFTP: 12 SMB: 20 HTTPS: 31
password	nvarchar	100	YES		The encrypted password
repo_path	nvarchar	50	NO		Repository root path
port	int	10	NO		Port: -1: default port for this type of protocol Other value: customized port value
username	nvarchar	70	YES		Username

2. Relevant UI.

Repository Configuration Wizard

Protocol Settings

Please select at least one protocol below for the current repository:

HTTPS Settings
 FTP/FTPS Settings
 SFTP Settings
 Shared Folder Settings

 Note: Shared folders are required for capturing images from or deploying images to WES Thin Clients that do not have enough free space to hold the image file.

< Back Next > Finish Cancel

Initialization Steps

Basic Information
Protocol Settings
FTP/FTPS Settings
Summary

FTP/FTPS Protocol Settings

HPDM Master Repository Controller installer puts a "Repository" folder in the specified path. There should be a "Repository" folder in the URL below if the Master Repository is correctly configured here.

Enable FTP over TLS support (FTPS)

Port: 21

Username: admin

Password: *****

URL: ftp://15.15.182.218/ HPDM

< Back Next > Finish Cancel

dm_repo_mapping

This is the repository mapping table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
repo_id	int		NO		Repository ID
category	int		NO		Mapping type: 1: Map by gateway 2: Map by subnet 3: Map by device
map_key	nvarchar	50	NO	✓	Map key: Gateway id; Subnet address; Device_id

2. Relevant UI.

X

Repository Mapping

[Batch Mapping](#) [Per Device Mapping](#)

Choose the repository mapping policy.

Map repository by HPDM Gateway. Map repository by subnet.

Show exceptions only (recommended).

Subnet Address	Mapping Policy	Repository Name	Repository Address
192.168.52.0	Use Master	ad	192.168.69.23
192.168.53.0	Auto Map	ad	192.168.69.23
192.168.55.0	Auto Map	ad	192.168.69.23

[Close](#)

Device-related tables

dm_devices

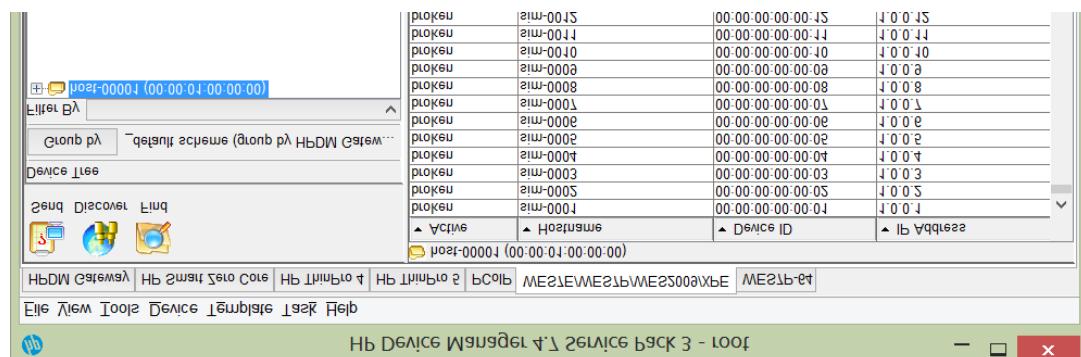
This is the devices table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
device_id	nvarchar	50	NO	√	dm_group_values.device_id ; dm_inv_display.device_id ; dm_inv_efw.device_id ; dm_inv_ex_property.device_id ; dm_inv_hardware.device_id ; dm_inv_max_hotfix.device_id ; dm_inv_ms_hotfix.device_id ; dm_inv_nic.device_id ; dm_inv_partition.device_id ; dm_inv_software.device_id ; dm_inv_time.device_id ;	Device ID
os_configuration	nvarchar	16	YES			For ThinPro, Smart Zero
active	nvarchar	6	NO			Device active status: 0: off 1: on 2: broken
agent_version	nvarchar	20	NO			Agent version
asset_tag	nvarchar	200	YES			Asset tag
base_snapshot	nvarchar	255	YES			Base snapshot
bios_version	nvarchar	20	YES			BIOS version
device_name	nvarchar	255	YES			Device name
device_sn	nvarchar	50	NO			Device serial number
Ewf	nvarchar	8	NO			Write filter status: 0: disabled 1: enabled 2: N/A
first_contact	smallint		NO			First contact flag, will be reset to 1 by Factory Reset task to enable First Contact rule again.
found_date	datetime	23	NO			The date that the device is found
inv_md5	nvarchar	50	YES			MD5
Ip	nvarchar	15	NO			IP address
Mac	nvarchar	17	NO			MAC address
Mask	nvarchar	15	NO			Mask
master_id	nvarchar	50	NO			Gateway ID
Mode	nvarchar	4	NO			“pull” or “push”
net_addr	nvarchar	15	NO			Net address
os_type	nvarchar	20	NO			Operating system type
p1	nvarchar	50	NO			The dynamic grouping values of the device. These values are reported by HPDM Agent retrieving the values from DHCP tag, configured on the device, or set from HPDM Console.
p2	nvarchar	50	NO			
p3	nvarchar	50	NO			
p4	nvarchar	50	NO			

p5	nvarchar	50	NO			
p6	nvarchar	50	NO			
product_type	nvarchar	100	NO			Product type
product_version	nvarchar	100	NO			Product version
pull_interval	smallint	5	YES			Pull interval
update_date	datetime	23	NO			Update date
vnc_pwd	nvarchar	32	YES			VNC password
grouping	int	10	YES			Manual grouping path ID, reported by device or set from HPDM Console.
tpm_owned	nvarchar	3	YES			Device owns TPM module
has_tpm	nvarchar	3	YES			Device has TPM module
os	nvarchar	255	YES			Operating system

2. Relevant UI



The screenshot shows the Windows Device Manager window. On the left, a tree view lists categories like 'Disk drives', 'Network adapters', 'Sound, video and game controllers', and 'Universal Serial Bus controllers'. On the right, a detailed list of devices is shown, each with a 'Properties' button. One device's properties are currently open:

Device Properties

General	Device ID:	00:00:00:00:00:05
Agent	Hostname:	sim-0005
Network	Device Type:	FakeDevices
Configuration	Device Serial Number:	NA
Hardware	Operating System:	Unknown
Software	Image Version:	HomeMade
Microsoft Hotfix	BIOS Version:	Unknown
Grouping	Asset Tag:	No Asset Tag
Extended Properties	Have TPM Module:	Unknown
	TPM Owned:	Unknown

Buttons at the bottom right include 'Export ...', 'OK', and 'Cancel'.

dm_inv_display

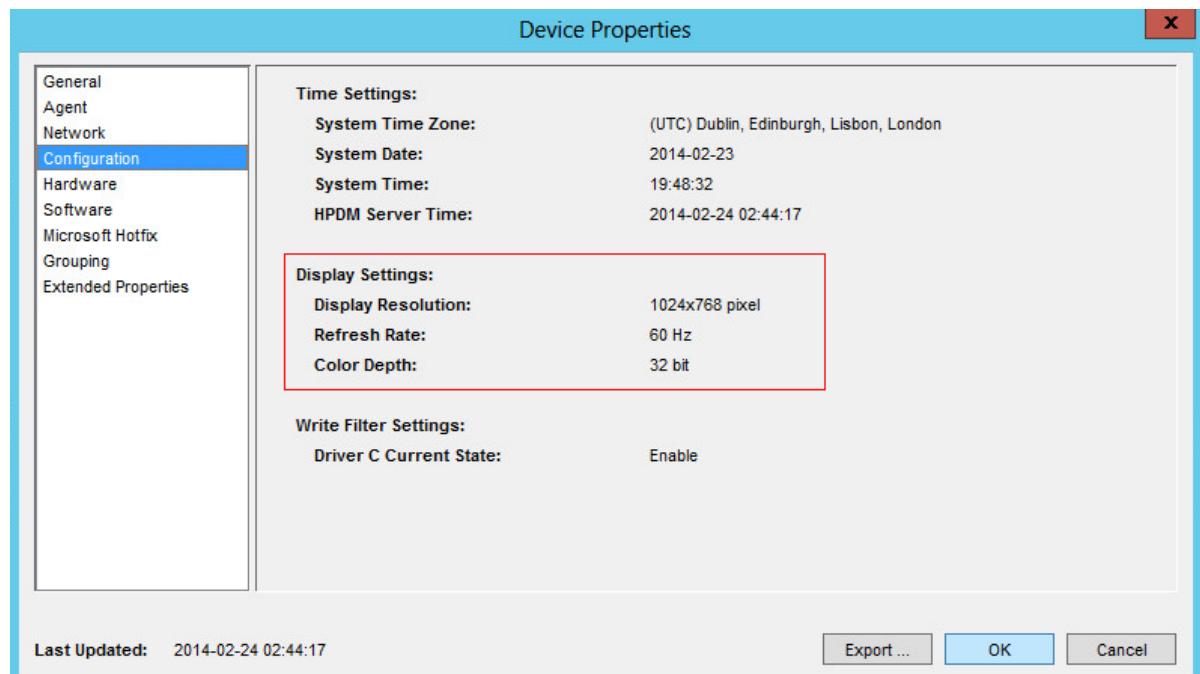
This is the inventory display table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
color_depth	tinyint	3	YES		

refresh_rate	tinyint	3	YES		
resolution	nvarchar	10	YES		
update_date	datetime	23	NO		

2. Relevant UI



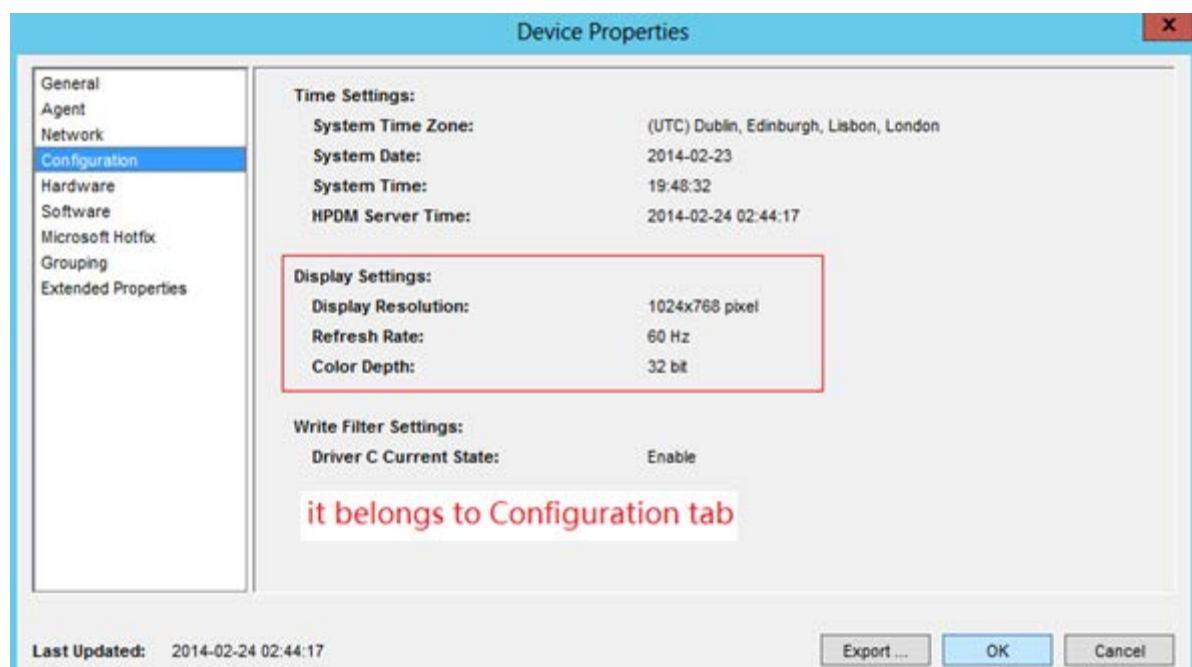
dm_inv_ewf

This is the inventory write filter table.

1. Table columns

Column name	Type name	Column size	Primary key	Description
device_id	nvarchar	50	✓	
ewf_id	tinyint	3	✓	
boot_command	tinyint	3		
drive_label	nchar	1		
state	tinyint	3		
update_date	datetime	23		

2. Relevant UI



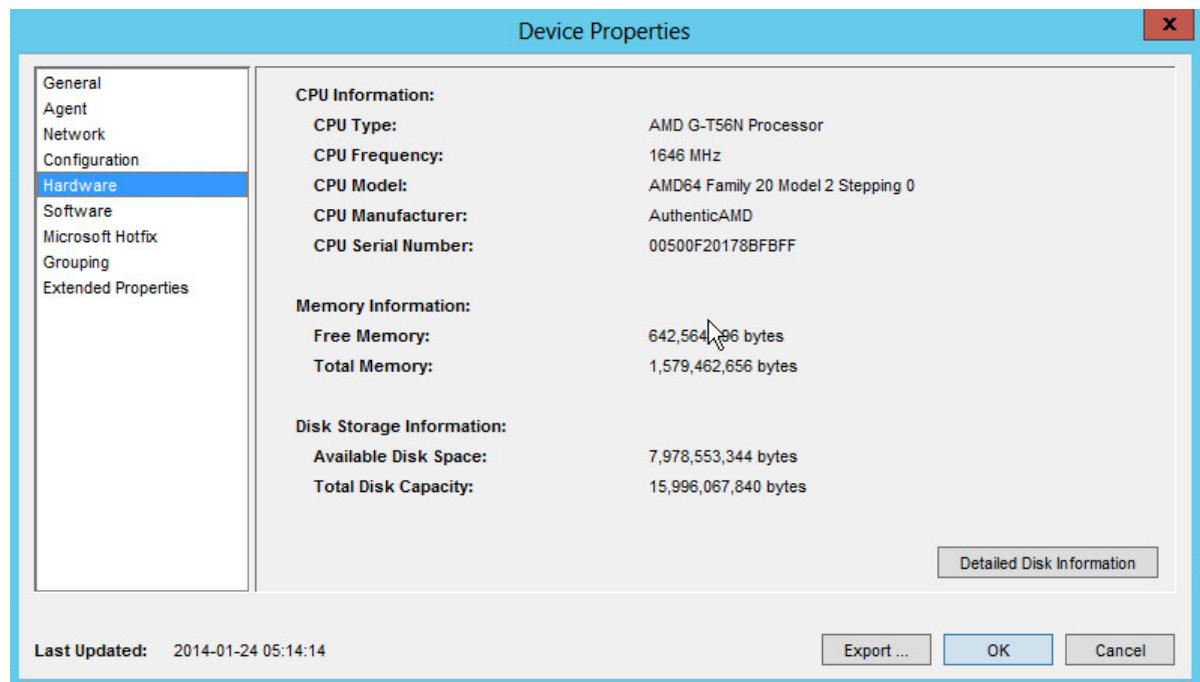
dm_inv_hardware

This is the inventory hardware table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
filesystem	nvarchar	50	YES		
free_disk	nvarchar	255	YES		
free_mem	nvarchar	100	YES		
frequency	nvarchar	100	YES		
ispxe	tinyint	3	YES		
iswol	tinyint	3	YES		
model	nvarchar	100	YES		
processor_type	nvarchar	100	YES		
processor_vendor	nvarchar	100	YES		
serial_no	nvarchar	100	YES		
total_disk	nvarchar	255	YES		
total_mem	nvarchar	100	YES		
update_date	datetime	23	NO		

2. Relevant UI



dm_inv_max_hotfix

This is the inventory Maxspeed hotfix table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
hotfix_id	nvarchar	50	NO	✓	
hotfix_value	nvarchar	100	YES		
update_date	datetime	23	NO		

dm_inv_ms_hotfix

This is the inventory MS hotfix table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
hotfix_id	nvarchar	50	NO	✓	
comment	nvarchar	100	YES		
installed_by	nvarchar	100	YES		
installed_date	nvarchar	20	YES		
service_pack	tinyint	3	YES		
update_date	datetime	23	NO		

2. Relevant UI

Device Properties

General	Microsoft Hotfix	Comments	Service Pack	Installed On	Installed By
Agent	KB2742614	Security Update	0	4/3/2013	T610E298\Administrator
Network	KB2756872	Update	0	4/3/2013	T610E298\Administrator
Configuration	KB2797052	Security Update	0	4/3/2013	T610E298\Administrator
Hardware	KB2750149	Update	0	4/3/2013	T610E298\Administrator
Software	KB2771431	Update	0	4/3/2013	NT AUTHORITY\SYST...
Microsoft Hotfix	KB2736693	Security Update	0	4/3/2013	T610E298\Administrator
Grouping	KB2795944	Update	0	4/3/2013	T610E298\Administrator
Extended Properties	KB2794599	Update	0	4/3/2013	T610E298\Administrator
	KB2756923	Security Update	0	4/3/2013	T610E298\Administrator
	KB2769034	Update	0	4/3/2013	T610E298\Administrator
	KB2798802	Hotfix	0	1/14/2013	
	KB2818604	Update	0	4/3/2013	T610E298\Administrator
	KB2770660	Security Update	0	4/3/2013	T610E298\Administrator
	KB2785094	Update	0	4/3/2013	T610E298\Administrator
	KB2742616	Security Update	0	4/3/2013	T610E298\Administrator
	KB2770917	Update	0	4/3/2013	T610E298\Administrator
	KB2798805	Hotfix	0	1/14/2013	
	KB2798804	Hotfix	0	4/2/2013	NT AUTHORITY\SYST...
	KB2712101_Microsoft...	Update	0	4/3/2013	T610E298\Administrator
	KB2794861	Hotfix	0	4/2/2013	NT AUTHORITY\SYST...

Last Updated: 2014-01-24 05:14:14

Export ... OK Cancel

dm_inv_nic

This is the inventory network interface card table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
nic_id	nvarchar	10	NO	✓	
description	nvarchar	100	YES		
gateway	nvarchar	15	YES		
hostname	nvarchar	100	YES		
ip	nvarchar	15	YES		
is_dhcp	nchar	1	YES		
is_dnscdhcp	nchar	1	YES		
mac	nvarchar	17	NO		
mask	nvarchar	15	YES		
primarydns	nvarchar	255	YES		
secondarydns	nvarchar	15	YES		
update_date	datetime	23	NO		

2. Relevant UI

Device Properties

General
Agent
Network
Configuration
Hardware
Software
Microsoft Hotfix
Grouping
Extended Properties

Network Interface: Network Card1

Network Adapter ID: 324EFF48E73

MAC Address: T610E298

Hostname:

IP Address: 0.0.0.0

Subnet Mask: 0.0.0.0

Default Gateway: 0.0.0.0

DHCP Enable: Yes

DNS via DHCP: Yes

DNS Server:

Last Updated: 2014-01-24 05:14:14

Export ... OK Cancel

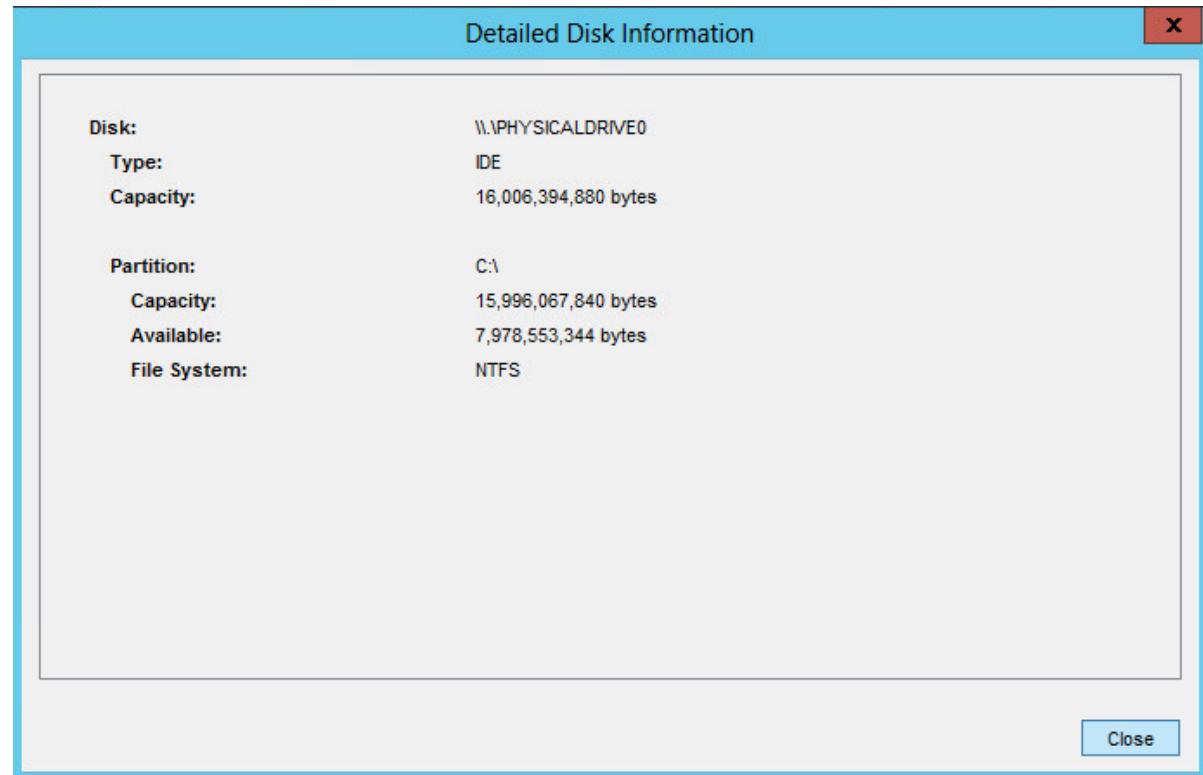
dm_inv_partition

This is the inventory partition table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
partition_id	nvarchar	50	NO	✓	
available	nvarchar	255	YES		
capacity	nvarchar	255	YES		
filesystem	nvarchar	50	YES		
update_date	datetime	23	NO		
Disk_capacity	nvarchar	255	YES		
Disk_id	nvarchar	255	YES		
Disk_type	nvarchar	255	YES		

2. Relevant UI



dm_inv_software

This is the inventory software table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
sw_name	nvarchar	128	NO	✓	
installed_date	nvarchar	20	YES		
size	nvarchar	100	YES		
update_date	datetime	23	NO		
vendor	nvarchar	100	YES		
version	nvarchar	100	YES		

2. Relevant UI

Device Properties

Name	Publisher	Installed On	Size	Version
TeamTalk For HP WES	Hewlett-Packard Development Company, L.P.	20130404	45783	7.3.4.5105
Citrix Receiver	Citrix Systems, Inc.			13.3.100.9
PDF Complete Corpora...	PDF Complete, Inc			4.1.10
Citrix Receiver Updater	Citrix Systems, Inc.	20130404	36614	3.3.100.20182
VMware View Client	VMware, Inc.	20130404	64701	5.2.1.937772
Citrix Receiver Inside	Citrix Systems, Inc.	20130404	23243	3.3.100.20189
Citrix Receiver(Aero)	Citrix Systems, Inc.	20130404	1609	13.3.100.9
HPDM Agent for HP WE8	Hewlett-Packard Development Company, L.P.	20140122	7334	4.6.3669.19313
Citrix Receiver (HDX Fl...)	Citrix Systems, Inc.	20130404	11842	13.3.100.9
Citrix Receiver(USB)	Citrix Systems, Inc.	20130404	1985	13.3.100.9
Remote Graphics Rec...	Hewlett-Packard	20130404		6.0.1
HP Velocity	LiveQoS	20130404	5208	1.6.0
Citrix Receiver(DV)	Citrix Systems, Inc.	20130404	12010	13.3.100.9
Citrix Authentication M...	Citrix Systems, Inc.	20130404	6686	3.0.0.47031
64 Bit HP CIO Compon...	Hewlett-Packard	20130404	841	13.2.1
Self-service Plug-in	Citrix Systems, Inc.	20130404	7574	3.3.0.27839
Online Plug-in	Citrix Systems, Inc.	20130404	41028	13.3.100.9

Last Updated: 2014-01-24 05:14:14

Export... OK Cancel

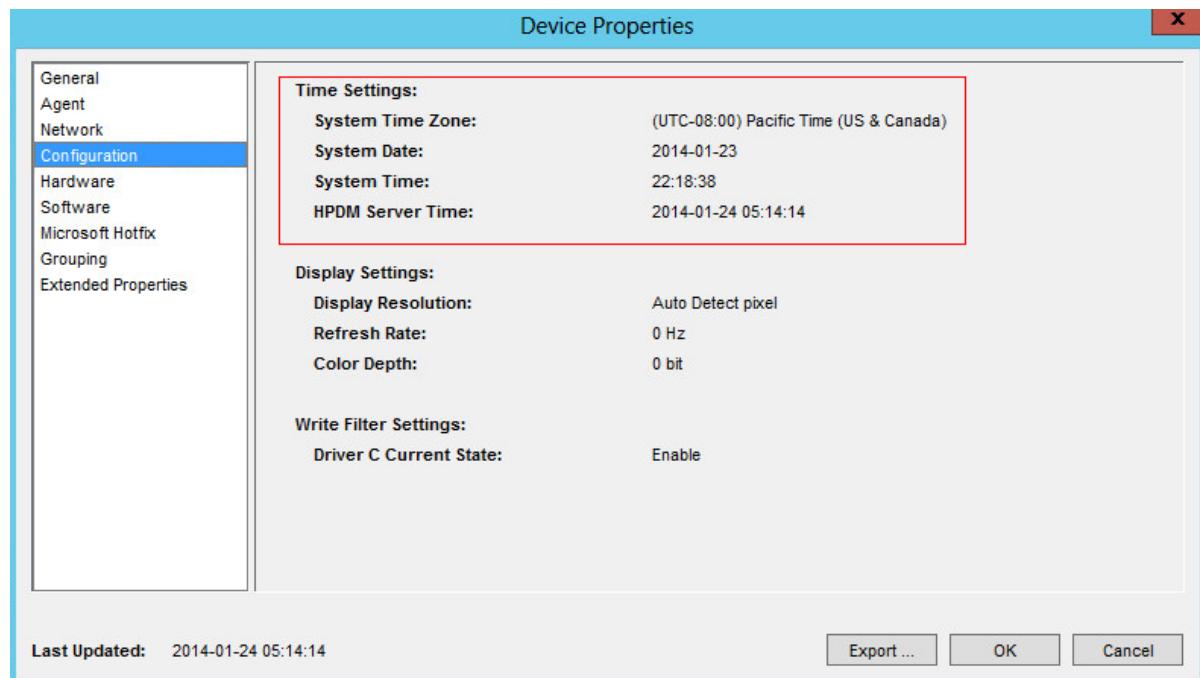
dm_inv_time

This is the inventory time table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
device_time	nvarchar	50	YES		
server_time	nvarchar	50	YES		
time_zone	nvarchar	50	YES		
update_date	datetime	23	NO		

2. Relevant UI



dm_group_values

This is the grouping values table, which stores the flags that indicate whether the grouping value of a device is set from HPDM Console. For rows p1 through p6, if the value is set by HPDM Console, the grouping value is y. Otherwise, the value is NULL.

For grouping, if the global manual grouping value is set from HPDM Console, the grouping value is -1; otherwise, it is NULL.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
p1	nvarchar	50	YES		
p2	nvarchar	50	YES		
p3	nvarchar	50	YES		
p4	nvarchar	50	YES		
p5	nvarchar	50	YES		
p6	nvarchar	50	YES		
grouping	int	10	YES		

2. Relevant UI

Device Properties

The screenshot shows the 'Device Properties' dialog box. On the left is a vertical navigation bar with tabs: 'General' (selected) and 'Grouping'. The main area contains several input fields:

- location:** An empty text input field.
- dept:** An empty text input field.
- other:** An empty text input field.
- Global Manual Group:** An empty text input field.

At the bottom right are 'OK' and 'Cancel' buttons.

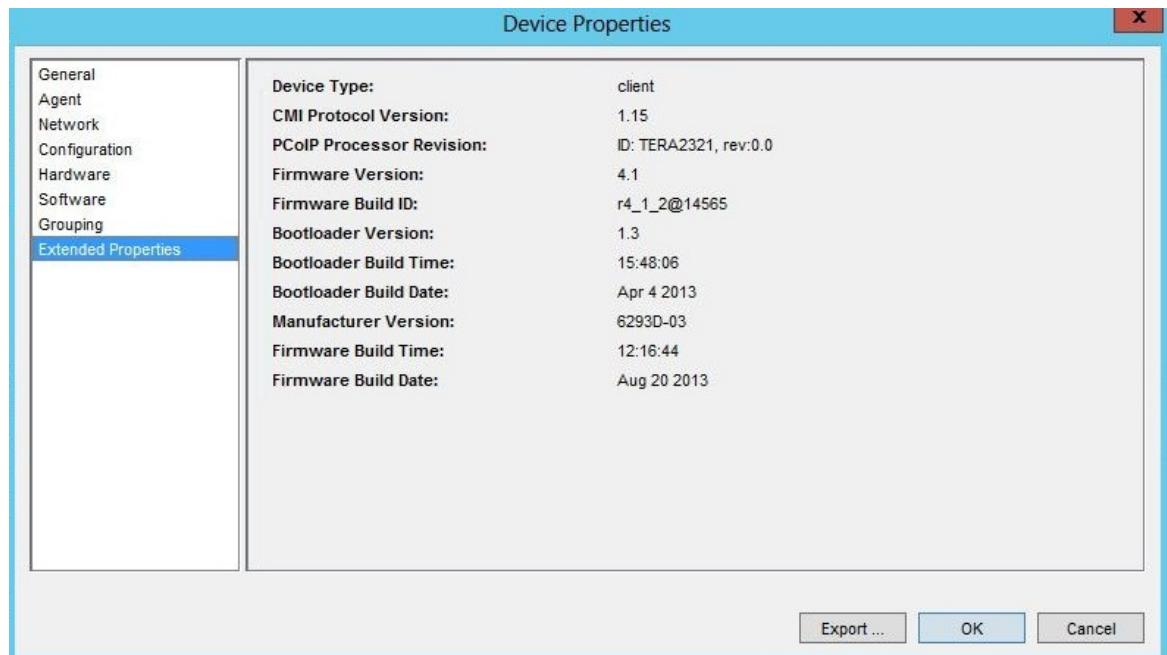
dm_inv_ex_property

This is the extended property table of a device.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
property_name	nvarchar	50	NO	✓	
property_value	nvarchar	100	NO		
update_date	date	23	NO		

2. Relevant UI



Task-related tables

dm_tasks

This is the task table, which stores basic task-related information.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
action_type	smallint	5	YES		Inner column to identify the template action type
defer	smallint	5	YES		Allow defer: 0: false 1: true
batch_amount	smallint	5	YES		Units per batch (0-99, 0 for disable batch)
batch_interval	smallint	5	YES		Minutes between batches (1-60)
cache_mode	smallint	5	YES		Cache mode: 0: false 1: true
downLimit	numeric	19	YES		Bandwidth downlimit
ewf_policy	smallint	5	YES		Writer Filter Policy (default is 2): 0: If the Write Filter is on, send back failure information. 1: Execute regardless of Write Filter status. 2: If the Write Filter is on, restart to a clean overlay, execute, and commit, and then restart for commitment to take effect.
ewh	smallint	5	YES		
hidden	nchar	1	YES		Deprecated column. Default value is 1 (do not change this value) History: 1 means visible and 0 means invisible.
is_sequential	nchar	1	YES		Whether a task is sequential: Y: sequential N: not sequential
os_type	nvarchar	50	NO		Operating system type
task_id	nvarchar	50	NO	✓	Task ID
task_name	nvarchar	200	YES		Task name
throttling	smallint	5	YES		Bandwidth throttling
timeout	numeric	19	YES		Timeout of task
update_date	datetime	23	NO		Time will be updated when task status changes
upLimit	numeric	19	YES		Bandwidth uplimit
user_id	nvarchar	50	NO		The user who creates the task
valid_time	float	53	YES		Valid time of task
wake	smallint	5	YES		Wake on lan before task: 0: false 1: true
work_begin	smallint	5	YES		Start working time: minutes
work_end	smallint	5	YES		End working time: minutes

2. Relevant UI

Task Templates	Manual Tasks	Rule Tasks		
Task Name Hostname and IP	Progress and Status 1(100%)	Target Device Number 1	Create Time 2014-01-24 06:31:03	Sender root

Task Contents

General Content

Task Summary

Task ID: 0000004
Valid Time: 1440 minute(s)
Write Filter Policy: Execute & Commit
Execution Timeout: 30 minute(s)
Cached Updates: No
WOL before task: No
Task Deferment: No
Exclude Working Hours: No
Batch amount: 5
Interval between batches: 2

Close

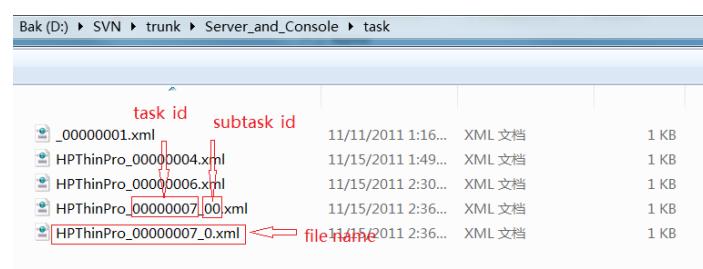
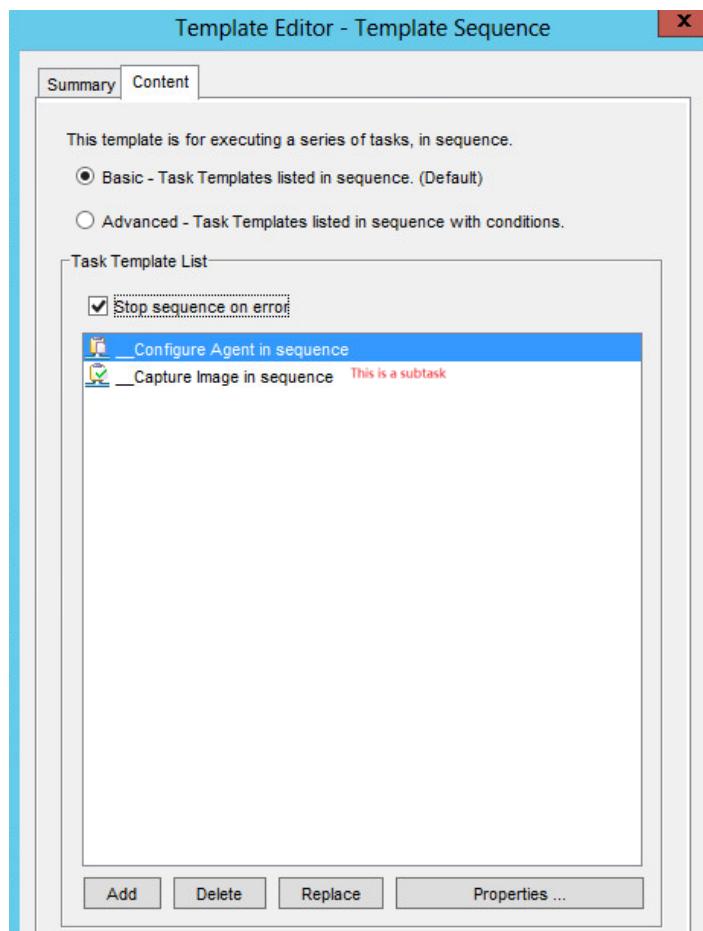
dm_sub_tasks

This is the subtasks table, which stores subtask information.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
subtask_id	nvarchar	50	NO	✓	If it is a sequence task: it will be 0, 1, or 2. If it is not: the field value will be blank.
task_id	nvarchar	50	NO	✓	See task_id in dm_tasks.
base_name	nvarchar	200	NO		Base template name.
file_name	nvarchar	255	YES		The generated task file name. The file is stored in HPDM_DIR/Server/tasks.
task_comment	nvarchar	255	YES		Comment.
task_type	nvarchar	50	YES		It contains PXETask, Clone, GatewayTask, and Task.

2. Relevant UI



dm_task_temp

This is the task template table, which stores task template information, including user-defined templates.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
os_type	nvarchar	50	NO	√	Operating system type
template_name	nvarchar	200	NO	√	Template name
category	nvarchar	50	NO		Template category
create_time	datetime	23	NO		Create time of template
description	nvarchar	255	YES		Description
is_sequential	nchar	1	NO		Whether it is a sequence template: Y: sequence template N: not a sequence template (A sequence template executes a series of tasks in sequence. See the _Template Sequence template in HPDM Console.)
update_date	datetime	23	NO		Update date of template
hint	nvarchar	2046	YES		Template hint information (when template status is not success)
status	int	10	YES		Template status: 0: success 1: transferring 2: fail

2. Relevant UI

Task Templates						
Type	Template Name	Description	Base Template Name	Category	Status	
Apply Settings	Apply Settings	Apply settings to device(s).	_Apply Settings	Settings		
Capture Image	Capture Image	Capture the image from a device.	_Capture Image	Imaging		
Capture Write Filter Exclusio...	Capture Write Filter Exclusio...	Capture the write filter exclusio...	_Capture Write Filter Exclusi...	Settings		
Clear Cached Tasks	Clear Cached Tasks	Trigger the HPDM Agent to cle...	_Clear Cached Tasks	Operations		
Clone Settings	Clone Settings	Clone settings from a device.	_Clone Settings	Settings		
Configure Agent	Configure Agent	Configure HPDM Agent Mode.	_Configure Agent	Agent		
Configure Task Deferment	Configure Task Deferment	Configure Task Deferment.	_Configure Task Deferment	Agent		
Deploy Write Filter Exclusio...	Deploy Write Filter Exclusio...	Deploy the write filter exclusion...	_Deploy Write Filter Exclusi...	Settings		

dm_tasklog

This is the task log table, which stores the task log information.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	√	See device_id in dm_devices
sequence_num	numeric	19	NO	√	The sequence number of every log (from 1 to n)
subtask_id	nvarchar	50	NO	√	Subtask ID
task_id	nvarchar	50	NO	√	Task ID
comment	ntext	1073741823	YES		The log comment
error_code	nvarchar	16	YES		Error code of log
error_detail	nvarchar	255	YES		Error detail information
update_date	datetime	23	NO		Update time
error_md5	nvarchar	255	YES		MD5 value of error

2. Relevant UI

The screenshot shows the 'Device Task View - _Update Agent' window. It has two main sections: 'Task Summary' on the left and 'Task Log' on the right.

Task Summary:

- Task ID: 0000004
- Write Filter Policy: Execute & Commit
- Valid Time: 1440 minute(s)
- Execution Timeout: 30 minute(s)
- Cached Updates: No
- Task Deferment: No
- WOL before task: No
- Exclude Working Hours: No
- Batch amount: 5
- Interval between batches: 2

Task Log:

Log Time	Log
2016-05-16 15:54:45	Map repository to: Master Repository
2016-05-16 15:54:46	Cannot connect to the HPDM Gateway. Will retry every 60 seconds.

dm_task_error_msg

This is the task error message table, which stores the task error message and its MD5 value.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
md5	nvarchar	32	NO	√	Md5
content	ntext		YES		Error message content

dm_device_subtasks

This is the device subtasks table, which stores a device's related tasks.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
task_id	varchar	50	NO	√	
subtask_id	varchar	50	NO	√	
device_id	varchar	50	NO	√	
start_time	datetime	23	NO		
end_time	datetime	23	NO		
status	varchar	16	YES		It contains one of the following values: ready, waiting, sending, processing, success, failure, waitForAgent, processPercent, pause, waiting, chaos, unretreived, Operational, Deleting, Deleted, Canceling, and Canceled.
visible	char	1	YES		
error_code	varchar	20	YES		
update_date	datetime	23	NO		

2. Relevant UI

The screenshot shows the 'Device Task View - _Get Asset Information' window. It has three main sections: 'Task Summary', 'Task Log', and 'Task Status'.

Task Summary:

- Task ID: 00000009
- Write Filter Policy: Execute & Commit
- Valid Time: 1440 minute(s)
- Execution Timeout: 30 minute(s)
- Cached Updates: No
- Task Deferment: No
- WOL before task: No
- Exclude Working Hours: No
- Batch amount: Disabled
- Interval between batches: Disabled

Task Log:

Log Time	Log
2016-04-08 10:35:14	This task is suspended because there was a Waiting task(_Get Asset Information) assigned by user(root) on target device.
2016-05-12 11:39:50	Task failed. Task became invalid before being sent.

Task Status:

Device N...	Status	Error Code	Start Time	End Time
sim-0001	Failed	-20002	2016-04-08...	2016-05-1...
sim-0002	Failed	-20002	2016-04-08...	2016-05-1...
sim-0003	Failed	-20002	2016-04-08...	2016-05-1...
sim-0004	Failed	-20002	2016-04-08...	2016-05-1...
sim-0005	Failed	-20002	2016-04-08...	2016-05-1...
sim-0006	Failed	-20002	2016-04-08...	2016-05-1...
sim-0007	Failed	-20002	2016-04-08...	2016-05-1...
sim-0008	Failed	-20002	2016-04-08...	2016-05-1...
sim-0009	Failed	-20002	2016-04-08...	2016-05-1...
sim-0010	Failed	-20002	2016-04-08...	2016-05-1...
sim-0011	Failed	-20002	2016-04-08...	2016-05-1...
sim-0012	Failed	-20002	2016-04-08...	2016-05-1...
sim-0013	Failed	-20002	2016-04-08...	2016-05-1...
sim-0014	Failed	-20002	2016-04-08...	2016-05-1...
sim-0015	Failed	-20002	2016-04-08...	2016-05-1...
sim-0016	Failed	-20002	2016-04-08...	2016-05-1...
sim-0017	Failed	-20002	2016-04-08...	2016-05-1...
sim-0018	Failed	-20002	2016-04-08...	2016-05-1...
sim-0019	Failed	-20002	2016-04-08...	2016-05-1...
sim-0020	Failed	-20002	2016-04-08...	2016-05-1...
sim-0021	Failed	-20002	2016-04-08...	2016-05-1...
sim-0022	Failed	-20002	2016-04-08...	2016-05-1...

dm_snapshottask

This is the snapshot task table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
task_id	nvarchar	50	NO	✓	dm_snapshottaskresult.task_id	Snapshot task id
comment	smallint	5	YES			Snapshot task comment
task_time	datetime	23	NO			Snapshot task start time

2. Relevant UI

From the HPDM Console menu, select **Tools > Status snapshot**.

Status Snapshot

Status Snapshot Schedules

Schedule	Last Run Time	Next Run Time	Status	Creator
At 05:51 every 1 day(s), starting, 2014-02-25	2014-02-24 05:51	2014-02-25 05:51	Enabled	root

Add ... Edit ... Delete

Status Snapshot Tasks

Start Time	Result
2014-02-24 05:51	Finished

View ... Delete

Close

dm_snapshottaskreport

This is the snapshot task report table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	Device ID
task_id	nvarchar	50	NO	✓	Snapshot task ID
active	nvarchar	50	NO		Device status, either on or off

2. Relevant UI

Status Snapshot Result

Current Filter: No Criteria (All Snapshot Results) [Filter ...](#)

Device ID	Hostname	IP Address	2014-2-24 5:51:
00:18:32:69:7E:82	HP00183269...	192.168.55.56	on
00:1E:33:10:21:AA	HP001e3310...	192.168.52.55	on
00:22:64:28:00:CF	HPCE1	192.168.55.54	on
00:26:2D:36:72:3F	HP-URBFD1...	192.168.53.57	on
00:26:2D:36:72:93	T5570	192.168.55.1...	on
08:00:28:32:7C:A2	HP08002832...	192.168.52.52	on
3C:4A:92:D0:16:CA	HP3c4a92d0...	192.168.52.53	on
9C:8E:99:D9:1F:B1	w-t5101	192.168.53.58	on
9C:8E:99:D9:20:59	HP9c8e99d9...	192.168.52.54	on
9C:8E:99:DA:F6:F5	HP-DAF6F5	192.168.55.1...	on
F4:CE:46:24:D0:B6	HPf4ce4624...	192.168.52.51	on
F8:0F:41:3F:E2:98	HP-CB1G9A...	192.168.55.53	on
F8:0F:41:59:00:83	TTTTT	192.168.55.52	on
F8:0F:41:59:00:95	HPf80f41590...	192.168.52.56	on

< III >

Current Page 1/1

Page Go < >

[Export ...](#) [Close](#)

Template-related tables

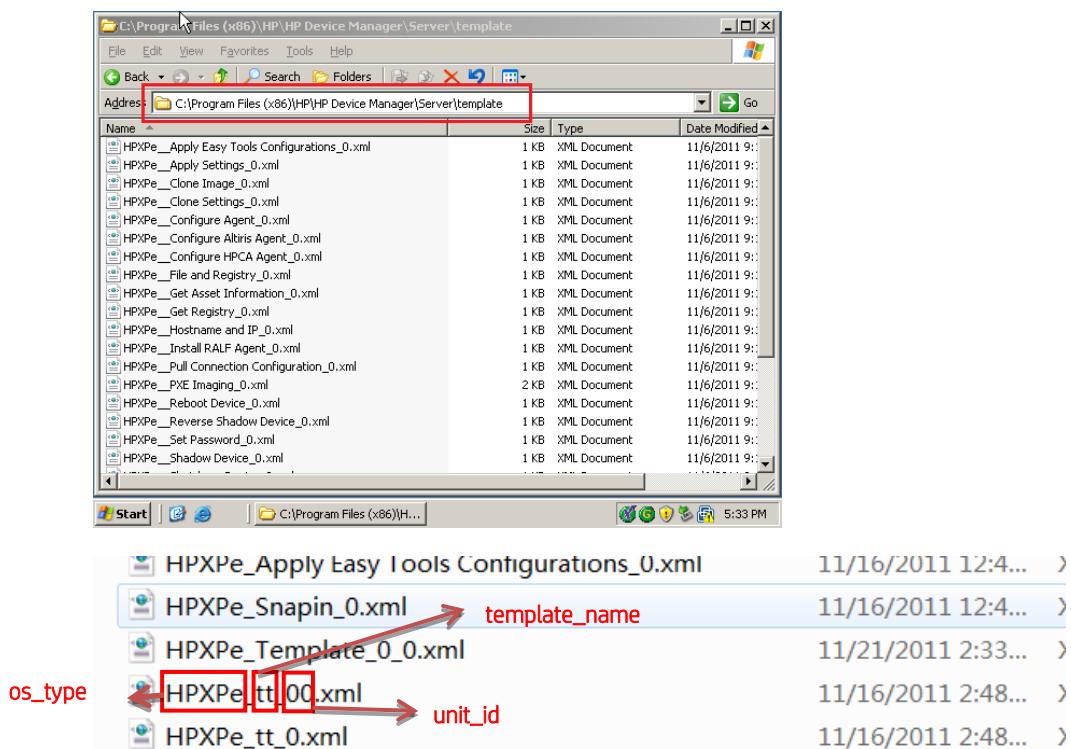
dm_unit_template

This is the unit template table, which stores unit template information, including the templates in a sequence template.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
os_type	nvarchar	50	NO	✓	Operating system type
template_name	nvarchar	200	NO	✓	The template name
unit_id	nvarchar	50	NO	✓	The unit ID
action_type	smallint	5	YES		Inner column to identify template action type
base_name	nvarchar	50	NO		Base template name
category	nvarchar	50	NO		Template category
file_path	nvarchar	255	NO		The file path that stores the unit template, by default "../template"
size	int	10	YES		Default is null

2. Relevant UI



dm_basic_template

This is the basic template table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
os_type	nvarchar	50	NO	✓	Operating system type
template_name	nvarchar	200	NO	✓	Template name
action_type	smallint	5	YES		Action type (inner attribute)
category	nvarchar	50	NO		Category

2. Relevant UI

Task Templates	Manual Tasks	Rule Tasks				
Template Name	Description	Base Template Name	Category	Status		
_Apply Settings	Apply settings to device(s).	_Apply Settings	Settings			
_Capture Image	Capture the image from a device.	_Capture Image	Imaging			
_Clone Settings	Clone settings from a device.	_Clone Settings	Settings			
_Configure Agent	Configure Agent Mode.	_Configure Agent	Agent			
_Configure Task Deferment	Configure Task Deferment	_Configure Task Deferment	Agent			
File and Registry	Perform customized file, registry and com...	File and Registry	File and Registry	File and Registry	File and Registry	File and Registry
_Get Asset Information	Get asset information of device.	_Get Asset Information	Operations			
_Get Registry	Get Registry Setting from a device.	_Get Registry	File and Registry			
_Hostname and IP	Change hostname and/or IP address for ...	_Hostname and IP	Settings			
_Pull Connection Configuration	Pull Connection Settings from a device.	_Pull Connection Configuration	Connections			
_PXE Capture	Capture the image from a device with PX...	_PXE Capture	Imaging			
_Reboot Device	Reboot device.	_Reboot Device	Operations			
_Reverse Shadow Device	Remote control device by Reverse VNC.	_Reverse Shadow Device	Operations			
_Send Message	Send a message to devices.	_Send Message	Operations			
_Set Domain	Make devices join a domain or a workgro...	_Set Domain	Settings			

dm_favorite_temp

This is the favorite template table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
os_type	nvarchar	50	NO	✓	Operating system type
template_name	nvarchar	200	NO	✓	Template name
user_id	nvarchar	50	NO	✓	Username of the last user who modified this template

2. Relevant UI

Template Name	Description	Base Template Name	Category	Status
_Apply Settings	Apply settings to device(s).	_Apply Settings	Settings	
_Capture Image	Capture the image from a device.	_Capture Image	Imaging	
_Clone Settings	Clone settings from a device.	_Clone Settings	Settings	
_Configure Agent	Configure Agent Mode.	_Configure Agent	Agent	
_Configure Task Deferment	Configure Task Deferment	_Configure Task Deferment	Agent	
File and Registry	Perform customized file, registry and com...	File and Registry	File and Registry	File and Registry
_Get Asset Information	Get asset information of device.	_Get Asset Information	Operations	
_Get Registry	Get Registry Setting from a device.	_Get Registry	File and Registry	
_Hostname and IP	Change hostname and/or IP address for ...	_Hostname and IP	Settings	
_Pull Connection Configuration	Pull Connection Settings from a device.	_Pull Connection Configuration	Connections	
_PXE Capture	Capture the image from a device with PX...	_PXE Capture	Imaging	
_Reboot Device	Reboot device.	_Reboot Device	Operations	
_Reverse Shadow Device	Remote control device by Reverse VNC.	_Reverse Shadow Device	Operations	
_Send Message	Send a message to devices.	_Send Message	Operations	
_Set Domain	Make devices join a domain or a workgro...	_Set Domain	Settings	

Task Templates	Manual Tasks	Rule Tasks				
Template Name	Description	Base Template Name	Category	Status		
_Apply Settings	Apply settings to device(s).	_Apply Settings	Settings			
_Capture Image	Capture the image from a device.	_Capture Image	Imaging			
_Clone Settings	Clone settings from a device.	_Clone Settings	Settings			
_Configure Agent	Configure Agent Mode.	_Configure Agent	Agent			
_Configure Task Deferment	Configure Task Deferment	_Configure Task Deferment	Agent			
File and Registry	Perform customized file, registry and com...	File and Registry	File and Registry	File and Registry	File and Registry	File and Registry
_Get Asset Information	Get asset information of device.	_Get Asset Information	Operations			
_Get Registry	Get Registry Setting from a device.	_Get Registry	File and Registry			
_Hostname and IP	Change hostname and/or IP address for ...	_Hostname and IP	Settings			
_Pull Connection Configuration	Pull Connection Settings from a device.	_Pull Connection Configuration	Connections			
_PXE Capture	Capture the image from a device with PX...	_PXE Capture	Imaging			
_Reboot Device	Reboot device.	_Reboot Device	Operations			
_Reverse Shadow Device	Remote control device by Reverse VNC.	_Reverse Shadow Device	Operations			
_Send Message	Send a message to devices.	_Send Message	Operations			
_Set Domain	Make devices join a domain or a workgro...	_Set Domain	Settings			

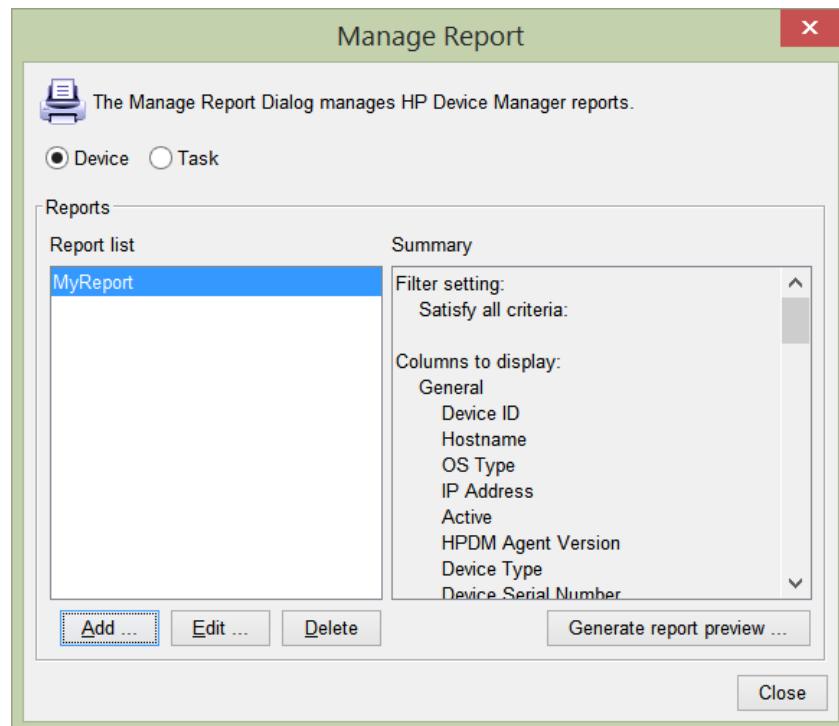
dm_report_template

This is the report template table, which stores report template information.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
report_name	nvarchar	32	NO	✓	Report name
report_type	nvarchar	32	NO	✓	Report type: Device: device type, Task: task type
report_content	ntext	1073741823	YES		Report content
update_date	datetime	23	NO		Update date

2. Relevant UI



Gateway-related tables

dm_gateway

This is the gateway table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
gateway_id	nvarchar	50	NO	✓	Gateway ID (use MAC address as default)
Active	smallint	5	NO		Whether the gateway is active or not: 0: inactive 1: active 2: broken
authentic	smallint	5	NO		Authentic type: 0: unknown 1: acknowledged 2: banned
found_date	datetime	23	NO		Gateway found date
gateway_name	nvarchar	50	NO		Gateway name
Ip	nvarchar	50	NO		Gateway IP
Mac	nvarchar	50	NO		Gateway MAC address
Mask	nvarchar	50	NO		Mask
netaddress	nvarchar	50	NO		Net address
os_type	nvarchar	20	NO		Operating system type
poll_interval	nvarchar	50	NO		Poll interval, by default null
update_date	datetime	23	NO		Update date
Version	nvarchar	50	NO		Version

2. Relevant UI

The screenshot shows the HP Device Manager 4.6 interface with the following details:

- Top Bar:** File, View, Tools, Device, Template, Task, Help, HP Device Manager 4.6 - root.
- Toolbar:** HPDM Gateway, HP Smart Zero Core, WES7/WES09/XPe, WES8 64-bit, Windows Embedded CE.
- Left Sidebar:** Discover, Update, Configure. Under "HPDM Gateway", it lists "All HPDM Gateways" with two entries: "WIN-G0G382CDRB4 (00:50:56:93:52:09)" and "WIN-HH21MNQD300 (00:50:56:93:1F:9F)".
- Central Table:** A grid showing gateway details:

Hostname	IP Address	MAC Address	Subnet Mask
WIN-G0G382CDRB4	192.168.55.20	00:50:56:93:52:09	255.255.255.0
WIN-HH21MNQD300	192.168.53.20	00:50:56:93:1F:9F	255.255.255.0
- Bottom Summary Table:**

Summary			
HPDM Gateway ID	00:50:56:93:1F:9F	HPDM Gateway Version	4.6.3630.19191
Hostname	WIN-HH21MNQD300	Active Status	off
MAC Address	00:50:56:93:1F:9F	Authentication	Unknown
IP Address	192.168.53.20	Operating System	Windows Server 2008
Subnet Address	192.168.53.0	Discover Date	Jan 24, 2014
Subnet Mask	255.255.255.0	Last Update	Jan 24, 2014

dm_gateway_walking_scope

This is the gateway walking scope table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
scope_name	nvarchar	50	NO	✓	Scope name
creator	nvarchar	32	NO		Creator (user ID)
file_location	nvarchar	50	YES		File location, by default blank
update_date	datetime	23	YES		Update time

2. Relevant UI

Discover HPDM Gateway

Discovering Scopes

Scope Name	Creator	Create Time
DiscoverGateway	root	2014-02-24 06:02:00

Add Scope ... Edit Scope ... Delete Scope Walk Now

Discovering Results

Task ID	Scope Name	Start Time	End Time	Progress

View Result ... Delete Close

dm_gateway_walkingtask

This is the gateway table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
task_id	nvarchar	16	NO	✓	dm_gateway_walkingtaskresult.task_id	Discover gateway task ID
end_time	datetime	23	YES			Task end time
progress	int	10	YES			Process status: 0~100
scope_name	nvarchar	50	NO			Related scope name
start_time	datetime	23	YES			Task start time

2. Relevant UI

x

Discover HPDM Gateway

Discovering Scopes

Scope Name	Creator	Create Time
DiscoverGateway	root	2014-02-24 06:02:00

Discovering Results

Task ID	Scope Name	Start Time	End Time	Progress
1	DiscoverGateway	2014-02-24 06:02:57	2014-02-24 06:02:57	100%

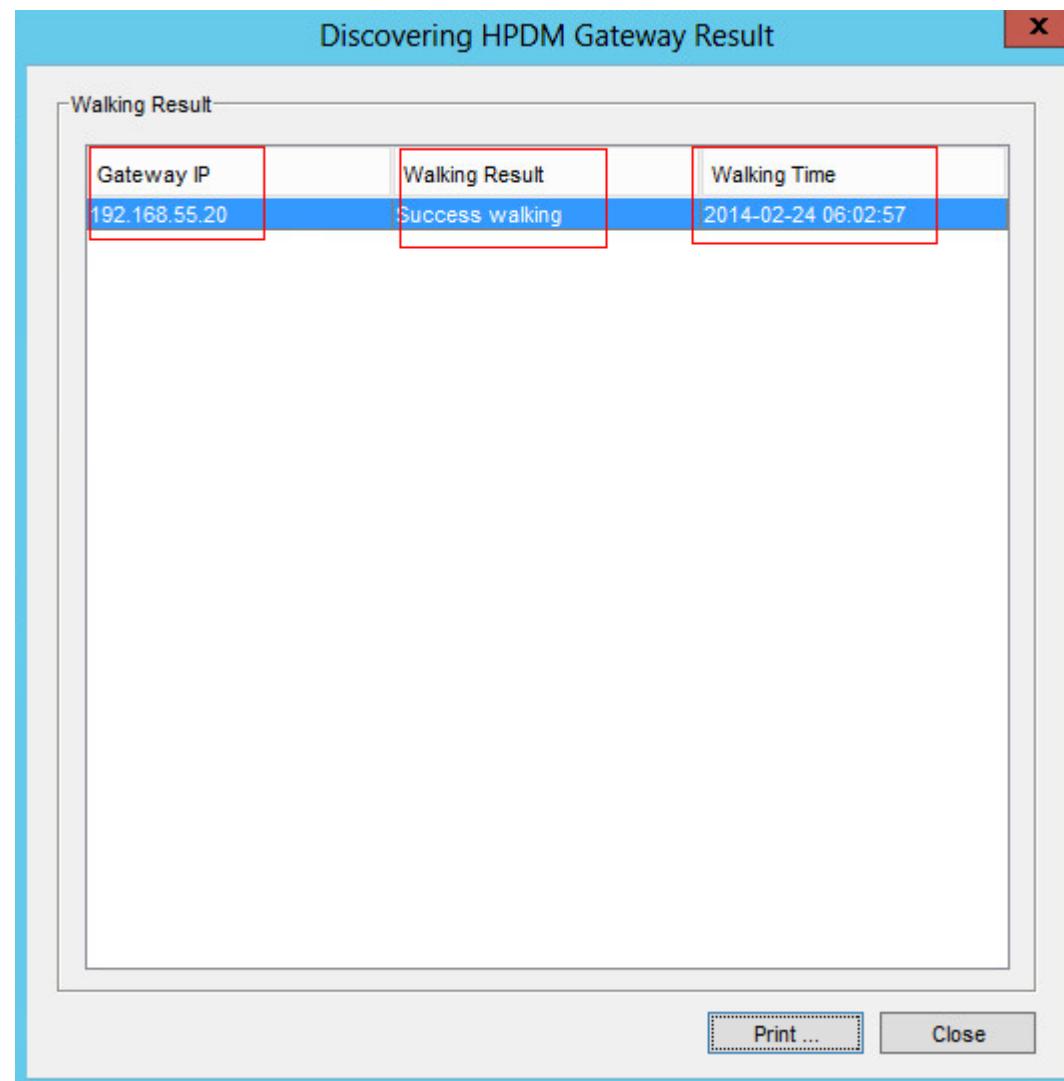
dm_gateway_walkingtaskresult

This is the gateway walking task result table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
lp	nvarchar	16	NO	√	Gateway IP
task_id	nvarchar	16	NO	√	Gateway task ID
status	int	10	YES		Task result status: 0: success 1: unconnected 2: deny 3: error
walking_time	datetime	23	YES		Result walking time

2. Relevant UI



Privilege-related tables

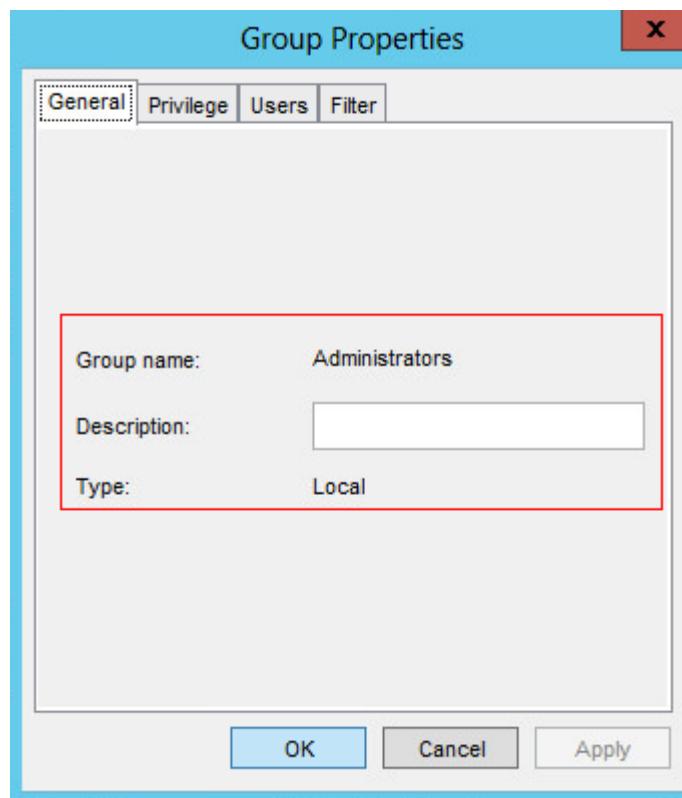
dm_group

This is the group table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
group_name	nvarchar	50	NO	✓	dm_group_sec_filter.group_name	Group name
dn	nvarchar	250	YES			Distinguished name, which only has a value when the group type is LDAP
description	nvarchar	200	YES			Description information
group_type	int	10	NO			Group type: 0: unknown 1: DB (HPDM local group) 2: LDAP (LDAP server group)

2. Relevant UI



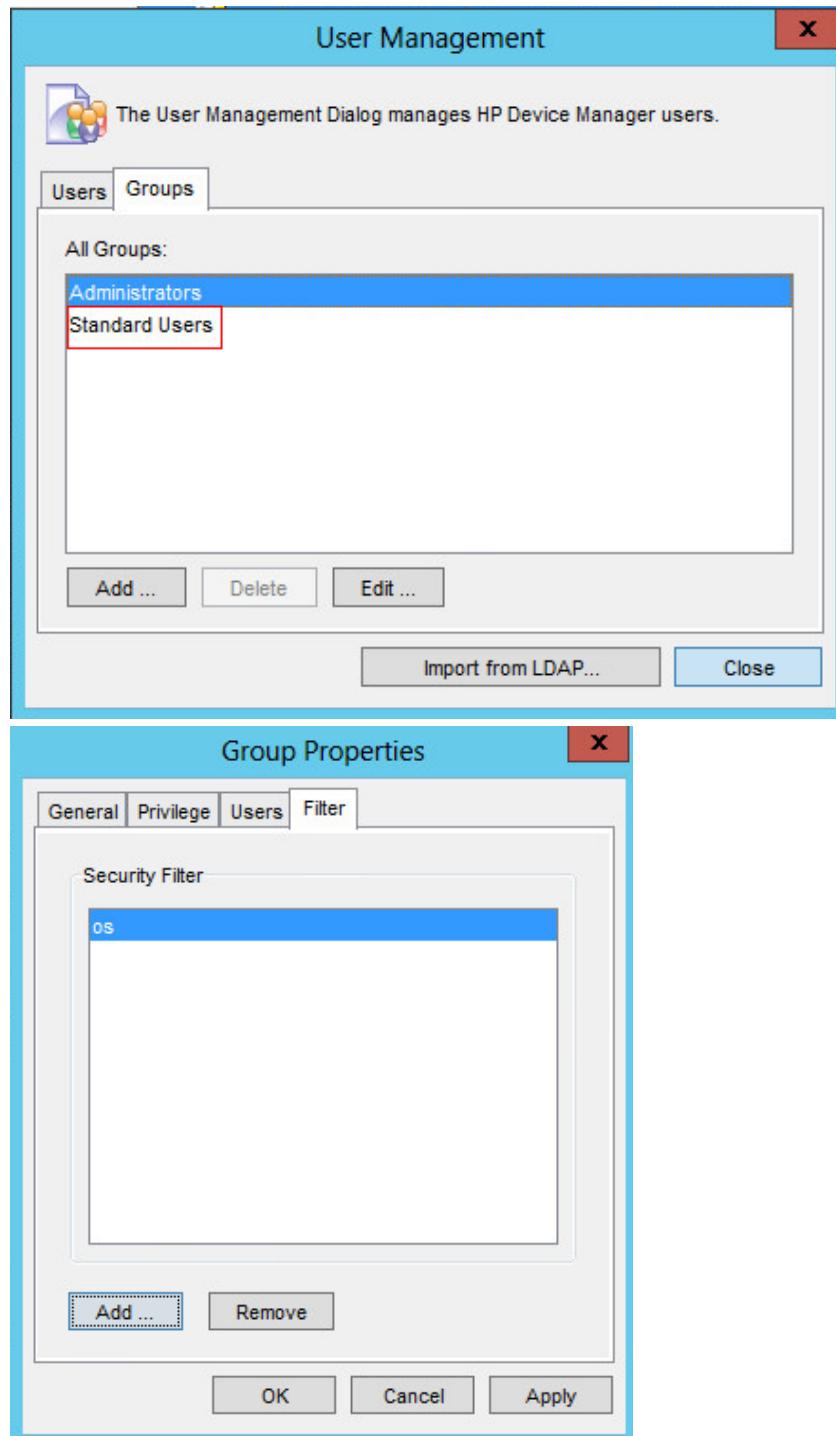
dm_group_sec_filter

This is the security filter table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
filter_id	nvarchar	32	NO	✓	Filter ID
group_name	nvarchar	50	NO	✓	Group name

2. Relevant UI

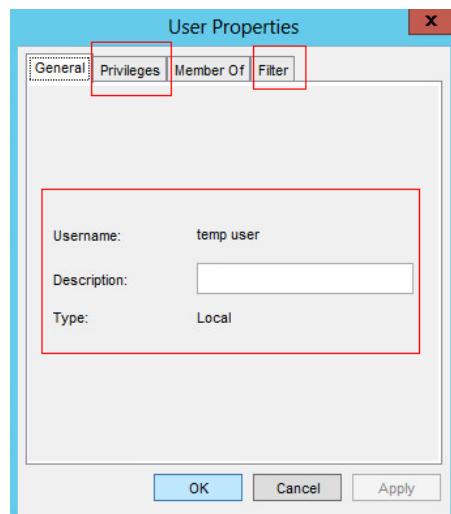
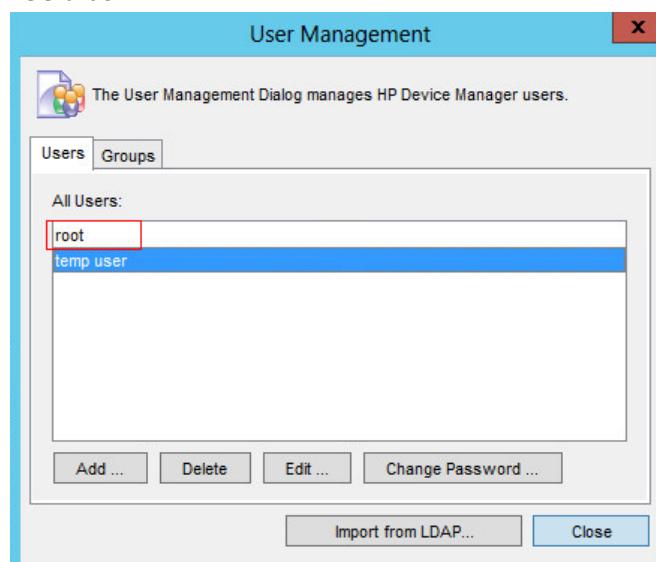
**dm_user**

This is the user table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
user_id	nvarchar	50	NO	/	dm_user_filter.user_id dm_user_sec_filter.user_id	User name
dn	nvarchar	255	YES			Distinguished name, which only has a value when the group type is LDAP
description	nvarchar	50	NO			Description information
password	nvarchar	50	NO			Encrypted password
privilege	int	10	YES			Privilege
user_type	int	10	NO			User type: 0: unknown 1: local 2: LDAP
security_filter	nvarchar	32	YES			Security filter name

2. Relevant UI



dm_user_sec_filter

This is the user security filter table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
filter_id	nvarchar	32	NO	✓	
user_id	nvarchar	50	NO	✓	

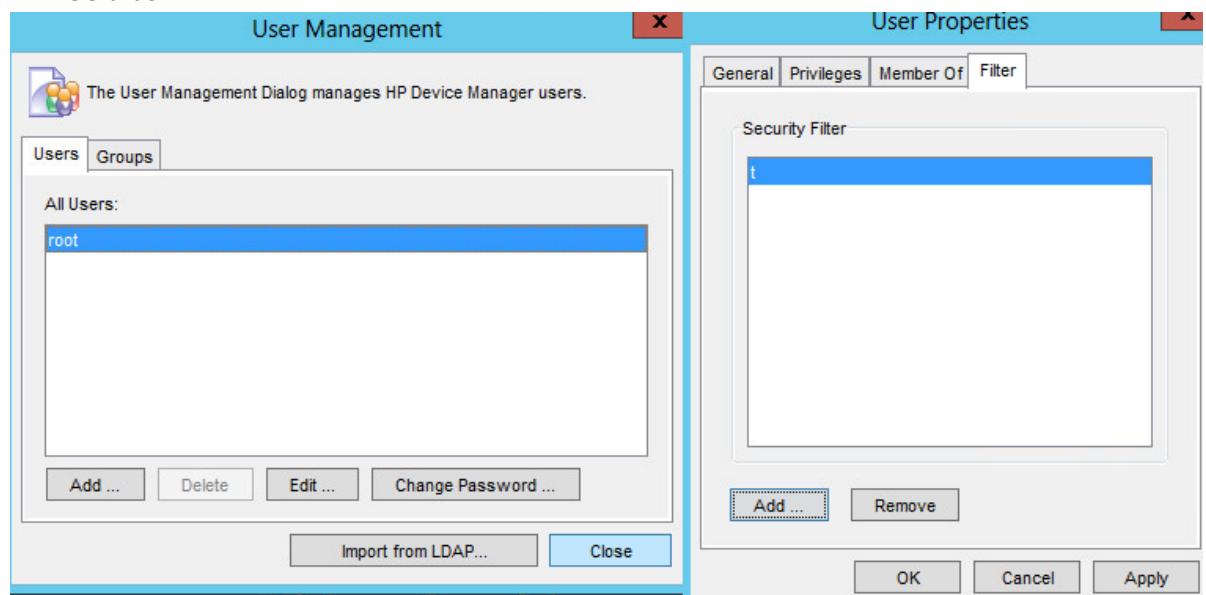
dm_group_user

This is the group and user table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
group_name	nvarchar	50	NO	✓	
user_id	nvarchar	50	NO	✓	

2. Relevant UI



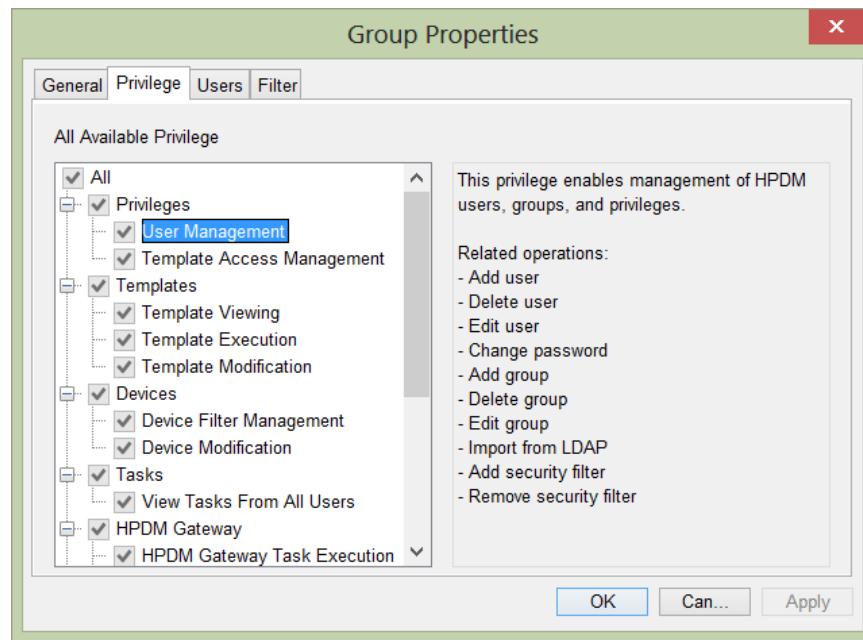
dm_auth_group

This is the authority in group table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
group_name	nvarchar	50	NO	✓	
auth_id	int	10	NO		

2. Relevant UI



OK

Can...

Apply

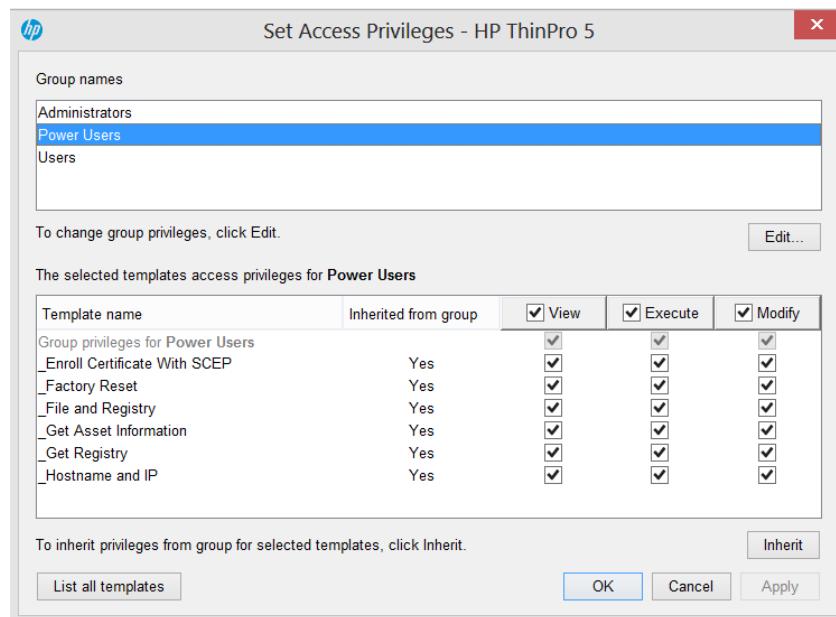
dm_template_privilege

This is the template privilege table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
group_name	nvarchar	50	NO	✓	Group name
os_type	nvarchar	255	NO	✓	OS type
template_name	nvarchar	200	NO	✓	Template name
privileges	int		NO		Template privileges

2. Relevant UI



dm_key

This is the key table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
authkey	nvarchar	250	NO	✓	
create_date	datetime	23	YES		
expire_interval	smallint	5	NO		
import_date	datetime	23	YES		

2. Relevant UI

Key Management

X

Key List

Key	Expire Interval	Create Time	Import Time
Key1	1	2014-01-23 01:57:23	
Key2	1	2014-01-23 01:23:00	
Key3	1	2014-01-23 01:22:44	

Update Current Key ...

Import Key(s) ...

Export All Key(s) ...

View Update Log ...

< | >

Close

dm_keylog

This is the key log table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
logdescription	nvarchar	200	NO	✓	
logevent	smallint	5	NO	✓	
logtime	datetime	23	NO	✓	

2. Relevant UI

The screenshot shows a window titled "Key Update Log". Inside, there is a table titled "Key Update Log List" with three columns: "Log Time", "Event", and "Log". The table contains six rows of data. The "Log Time" column shows dates and times from January 23, 2014. The "Event" column shows actions like "Key Created" and "Key Updated". The "Log" column provides a detailed description of each event. At the bottom of the window are two buttons: "Clear All Logs" and "Close".

Log Time	Event	Log
2014-01-23 01:57:23	Key Created	A new key is created.
2014-01-23 01:57:23	Key Updated	The current key is updated.
2014-01-23 01:23:00	Key Updated	The current key is updated.
2014-01-23 01:23:00	Key Created	A new key is created.
2014-01-23 01:22:44	Key Updated	The current key is updated.
2014-01-23 01:22:44	Key Created	A new key is created.

dm_keyzero

This is the keyzero table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
authkey	nvarchar	250	NO	✓	
create_date	datetime	23	YES		
expire_interval	smallint	5	NO		
import_date	datetime	23	YES		

This is an HPDM inner table. It is created when the database is installed, and the record values are fixed.

Rule- and filter-related tables

dm_rule

This is the rule table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
rule_name	nvarchar	50	NO	✓	Rule name
create_time	datetime	23	NO		Create time
creator	nvarchar	50	NO		The user ID that creates this rule
enable	int	10	NO		Rule is enabled or not: 0: disabled 1: enabled
rule_order	int	10	NO		Rule order to determine the execution sequence: 1 ~n (priority high to low)
task_id	nvarchar	50	NO		The task ID that is generated when a rule is created and then triggered by that rule
template_name	nvarchar	50	NO		Template name
trigger_type	int	10	NO		Trigger type: 1: first contact 2: startup 3: schedule
update_time	datetime	23	NO		Update time
version	int	10	NO		HPDM inner attribute, don't modify it
filter_id	nvarchar	32	YES		Filter ID
schedule_id	nvarchar	50	YES		Schedule ID (if no schedule type, it will be null)
os_type	nvarchar	50	NO		Operating system type

2. Relevant UI

The screenshot shows the 'Rules Management' application window. It has three main sections: 'First Contact Rules', 'Startup Rules', and 'Scheduled Rules'. The 'Startup Rules' section is currently active, displaying a table with columns: Enabled, Name, OS, Creator, Created, and Updated. One row is selected, showing 'Automatic Update Agents HP...', 'Windows Embedded...', 'system', '14-01-23 01:14', '14-01-23 01:14'. A 'Rule Editor' dialog is overlaid on the window, containing fields for Name ('Automatic Update Agents HPWE8_64'), Trigger ('Startup'), OS ('WES8 64-bit'), and Criteria Description ('Agent Version < 4.6.3669.19313'). There is also a checkbox for 'Enabled (This rule will be active and generate tasks)' which is checked. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

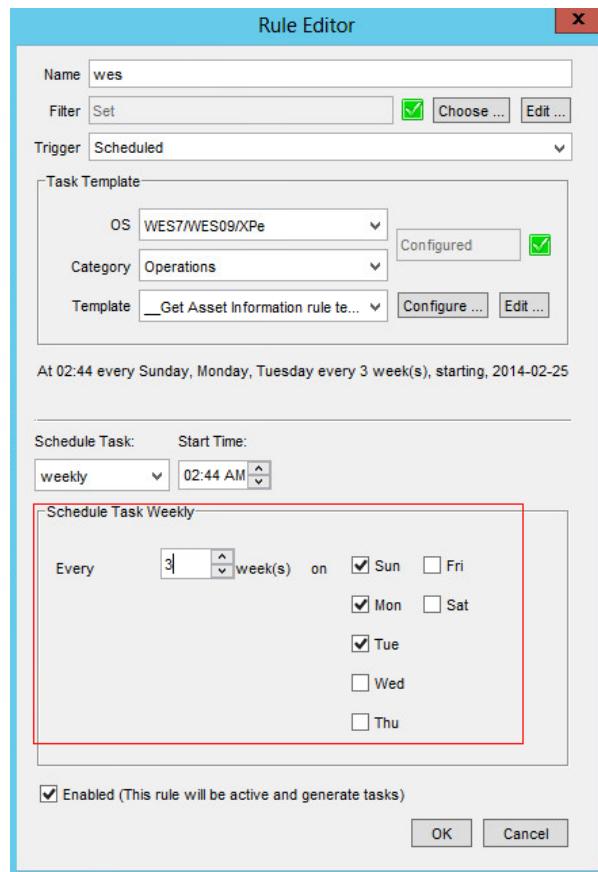
dm_schedule

This is the schedule table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
schedule_id	nvarchar	50	NO	✓	dm_rule.schedule.id dm_walkingschedule.schedule_id	Schedule ID
category	nvarchar	50	NO			Schedule category (belong to): 1: snapshot 2: walking tool 3: rule
creator	nvarchar	50	NO			The user ID of creator
lastruntime	datetime	23	YES			Last run time
nextruntime	datetime	23	YES			Next run time
period	nvarchar	50	NO			The weeks number (how many weeks)
schedule_time	datetime	23	YES			Schedule time
schedule_type	nvarchar	50	NO			Schedule type: 1: daily 2: weekly 3: once
status	nvarchar	50	NO			0: disabled 1: enabled
weekday	nvarchar	50	NO			The selected weekdays (combined to one value)

2. Relevant UI



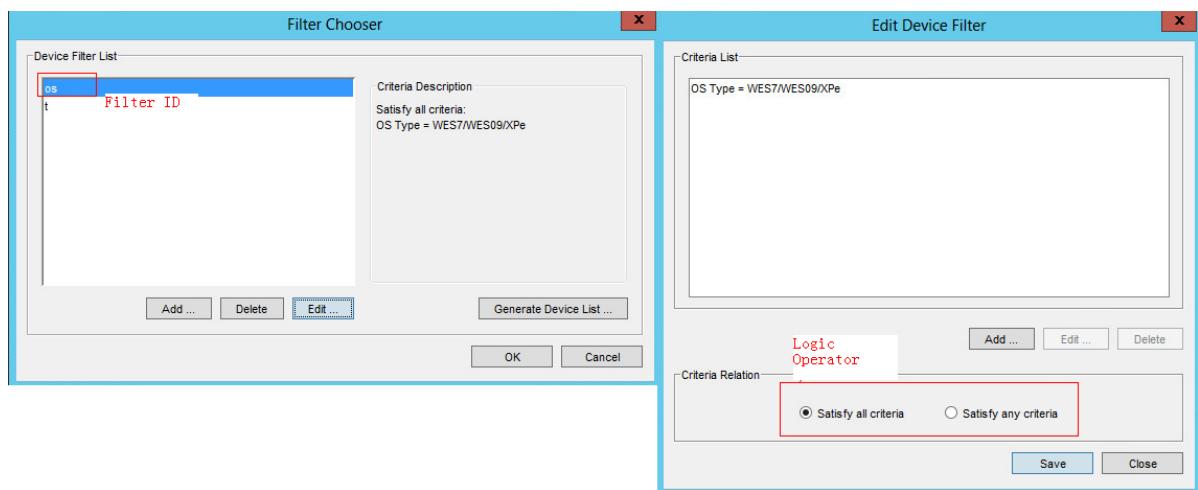
dm_filter

This is the filter table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
filter_id	nvarchar	32	NO	√	dm_filter_fields.field_id dm_group_sec_filter.field_id dm_rule.field_id dm_user.security_filter dm_user_filter.field_id dm_user_sec_filter.field_id	Filed ID
logical_operator	nvarchar	3	YES			It includes two types: and, or
update_date	datetime	23	NO			

2. Relevant UI



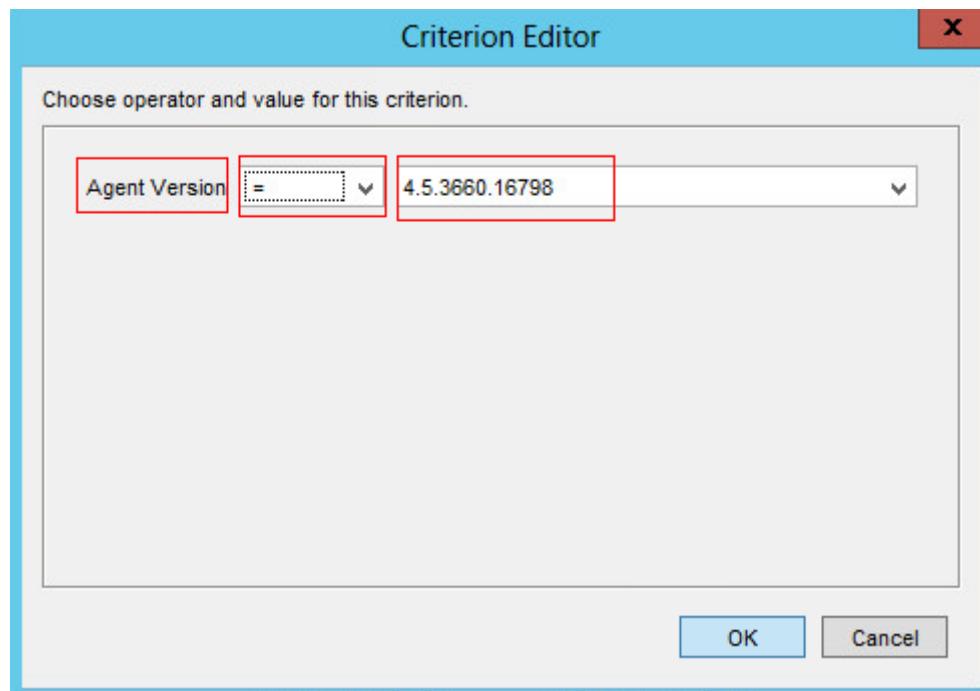
dm_filter_fields

This is the filter fields table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
field_name	nvarchar	32	NO	√	
filter_id	nvarchar	32	NO	√	
operand	nvarchar	255	NO	√	
operator	nvarchar	32	NO	√	It contains: “=”, “>”, “<”, “>=”, “<=”, like ”, “has software”, “has NIC”, “has harddisk driver”, “has hotfix”, “has Microsoft hotfix”, “starts with”, “regardless”

2. Relevant UI



Grouping-related tables

dm_group_attribute

This is the grouping attribute table. It is an inner table, used by the dynamic group, and should not be changed.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
attr_id	nvarchar	50	NO	✓	
attr_name	nvarchar	50	NO		Attribute name

2. Relevant information

attr_id	attr_name
00	0
01	1
02	2
03	3
04	4
05	5
06	6
07	7
08	8
09	9
10	A
11	B
12	C
13	D
14	E

dm_group_policy

This is the dynamic grouping policy table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
policy_id	nvarchar	50	NO	✓	Dynamic grouping ID
alias	nvarchar	50	NO		Dynamic grouping name
attrs	nvarchar	50	NO		
user_id	nvarchar	50	NO		The creator's user ID

2. Relevant UI

Edit Grouping Schemes

Dynamic scheme **Manual scheme**

Existing Schemes

_default scheme (group by HPDM Gateway ID) (system)

New Scheme

Alias

Add ...

Delete

Edit ...

Grouping Scheme:

HPDM Gateway ID

< >

Close

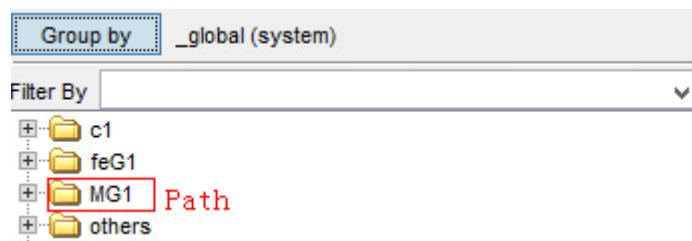
dm_grouping_path

This is the grouping path information table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
path_id	int	10	NO	✓	dm_devices.grouping dm_group_values.grouping dm_manual_grouping.path_id	Path ID
path	nvarchar	255	NO			Value

2. Relevant UI



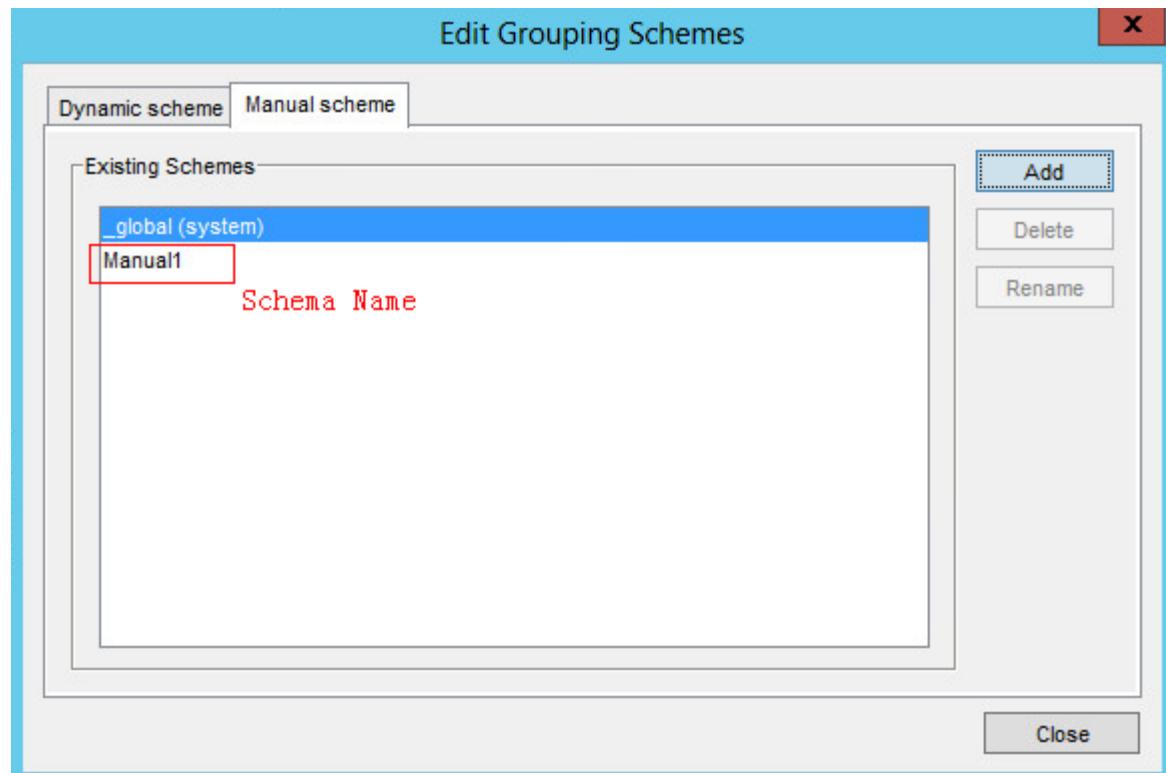
dm_grouping_schema

This is the manual grouping schema table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
schema_id	int	10	NO	✓	dm_manual_grouping.schema_id	Manual schema ID
schema_name	nvarchar	50	NO			Manual schema name
user_id	nvarchar	50	NO			The creator's user ID

2. Relevant UI



dm_manual_grouping

This is the manual grouping table, which stores the device relationship with a manual schema and path.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
device_id	nvarchar	50	NO	✓	
path_id	int	10	NO	✓	
schema_id	int	10	NO	✓	

Configuration-related tables

dm_conf

This is the configuration table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
conf_option	nvarchar	50	NO	✓	The configuration name
conf_value	nvarchar	255	NO		The configuration value

2. Relevant information

conf_option	conf_value
BrokerRequestID	0
deviceSequence	1
EWFPolicy	2
ExcludeWorkTime	0-540-1020
folderId	1
FTPBatchAmount	5
FTPBatchinterval	2
FTPPort	21
FTPProtocol	FTP
GatewayControlLevel	0
GeneralBatchAmount	0
GeneralBatchinterval	5
GeneralTimeout	30
hpdm.task.defer	No
hpdm.task.wol	No
LDAPBaseDN	
LDAPDomain	
LDAPEncrypt	None
LDAPHost	
LDAPPageSize	20
LDAPPort	389
LDAPRDNAtribute	
LDAPSearchPass	
LDAPSearchUser	
LDAPServType	AD
max	21
p1	location
p2	dept
p3	other
p4	other
p5	other
p6	other
Pollinginterval	30
ProgressSwitch	On

ProxyHost	
ProxyPassword	
ProxyPort	
ProxyType	
PXEBatchAmount	2
PXEBatchinterval	10
TelnetPassword1	Undefined
TelnetPassword2	Undefined
TelnetPassword3	Undefined
TelnetUsername1	Undefined
TelnetUsername2	Undefined
TelnetUsername3	Undefined
TryOnceSwitch	off
ValidTime	1440
VNCPassword	maxspeed
WalkingGroupAmount	50
WalkingRetry	3
WalkingTimeout	15
BIOSPassword	
TPMPassword	
RepoMappingType	2
RepoPort	21
RepoProtocol	FTP
UseSAMBA	True

dm_dbversion

This is the database version table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
version	nvarchar	50	NO	✓	Version value

2. Relevant UI

version

4.4

dm_ipscope

This is the IP scope table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
alias	nvarchar	50	NO	✓	Alias name
start_ip	nvarchar	50	NO		Starting IP address
stop_ip	nvarchar	50	NO		Ending IP address

2. Relevant UI

Edit IP Walking Scope

Set the scope of IP addresses HP Device Manager can search for HPDM Agents and HPDM Gateways.

IP Walking Scopes

- C1

Scope Configuration

Starting IP Address:

Ending IP Address:

dm_network_alias

This is the network alias table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Description
network	nvarchar	50	NO	✓	
alias	nvarchar	50	NO		

dm_os_types

This is the operating system type table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
os_type	nvarchar	50	NO	✓	dm_rule.os_type	Operating system type

2. Relevant information

This table stores all activated operating system type information. Each record refers to an operating system tab on HPDM Console.

dm_ldap_setting

This is the LDAP setting table.

1. Table columns

Column name	Type name	Column size	Nullable	Primary key	Foreign key	Description
id	int		NO	✓		LDAP setting ID
Base_dn	nvarchar	255	YES			LDAP-based dn
domain	nvarchar	255	YES			LDAP domain
encrypt	nvarchar	255	YES			LDAP encryption type
host	nvarchar	255	YES			LDAP Server host
name	nvarchar	255	YES			LDAP setting name
page_size	nvarchar	255	YES			LDAP page size
port	nvarchar	255	YES			LDAP Server port
rnd_attr	nvarchar	255	YES			LDAP RDN attribute
search_pwd	nvarchar	255	YES			Searches for LDAP password
search_user	nvarchar	255	YES			Searches for LDAP username
server_type	nvarchar	255	YES			LDAP Server type

2. Relevant information

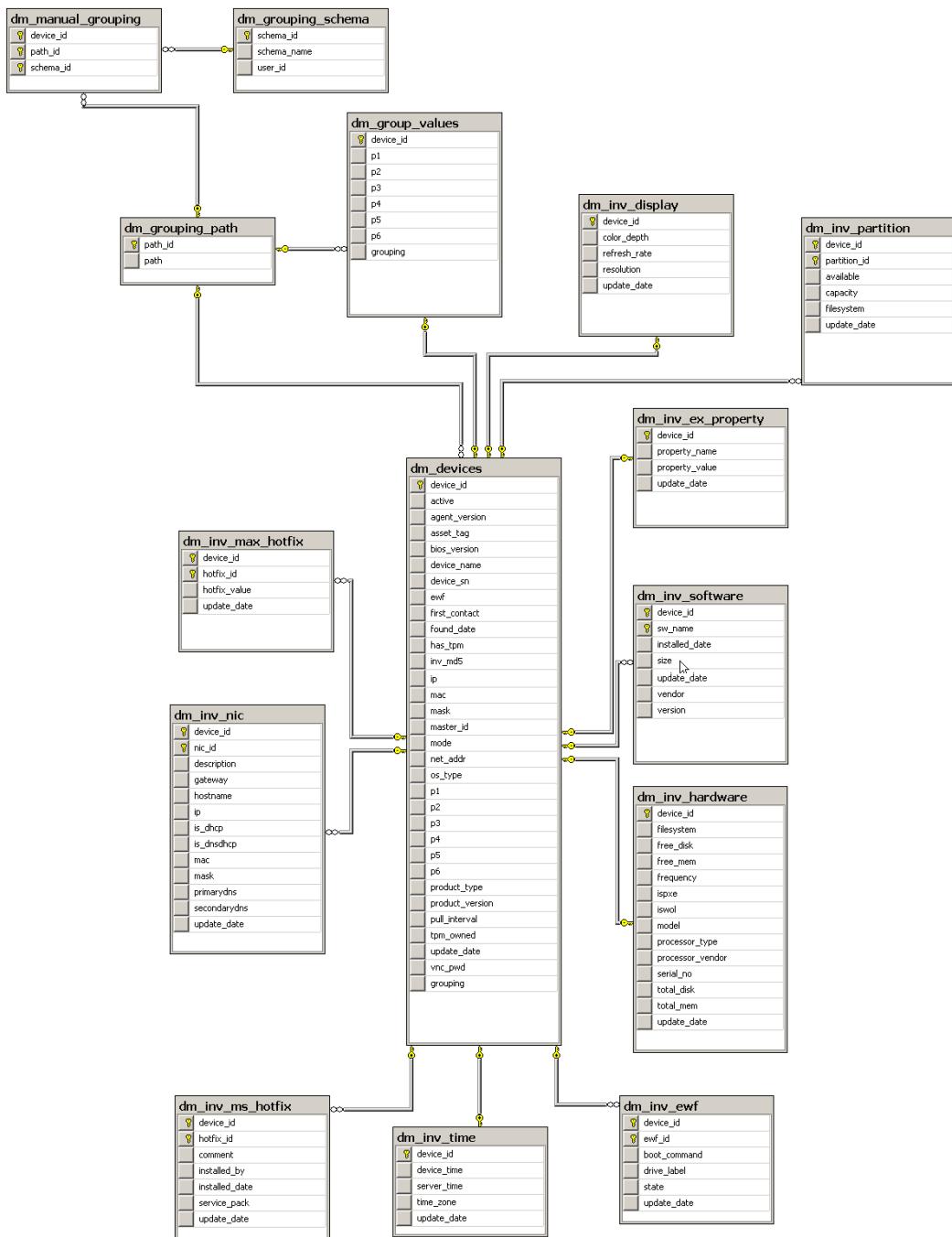
This table stores all LDAP settings for HPDM, which is used to connect to each LDAP Server.

Deprecated tables

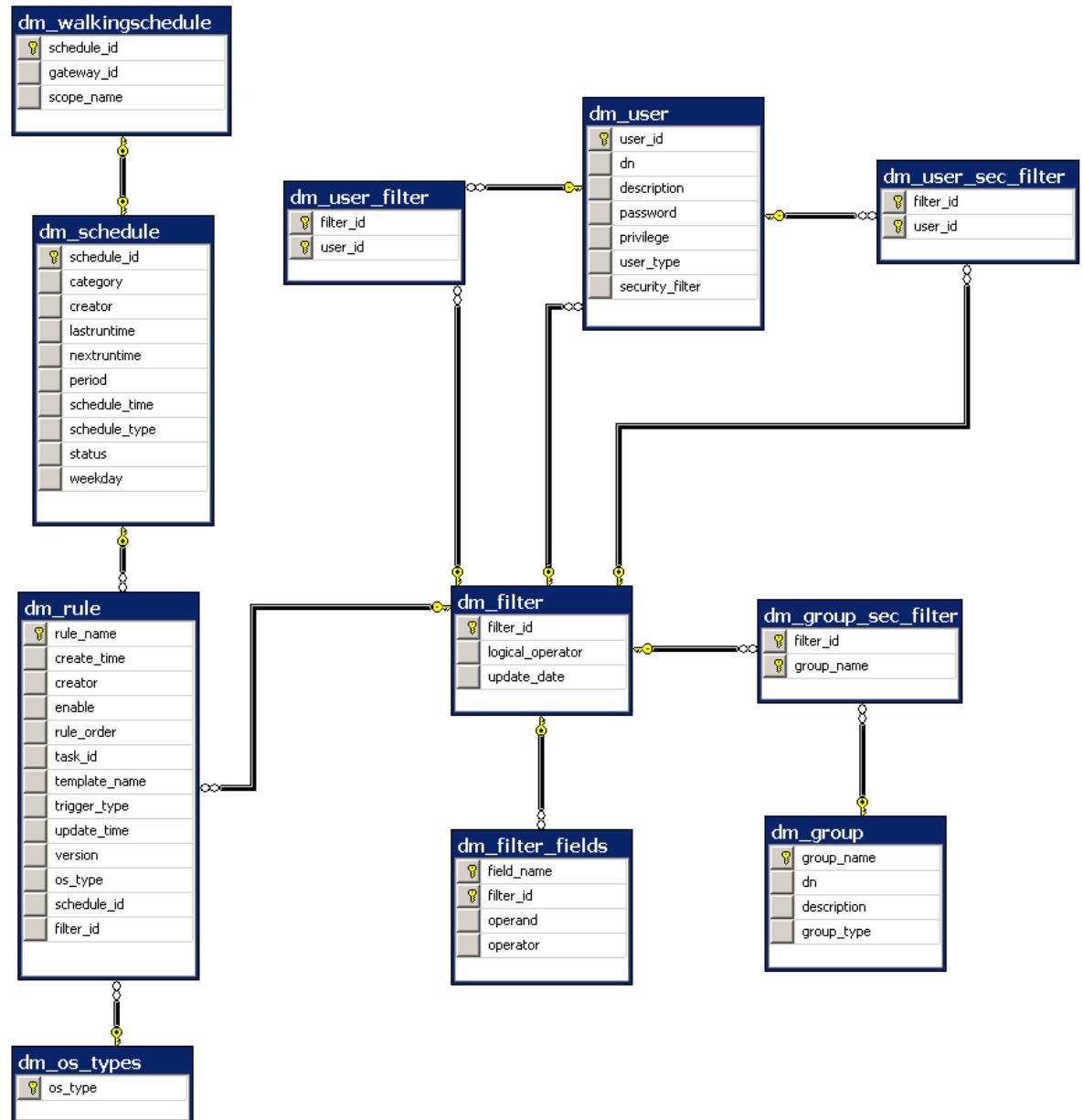
- dm_tasks_attachment
- dm_template_attachment
- dm_walkingschedule
- dm_walkingscope
- dm_walkingtask
- dm_walkingtaskresult
- dm_buildid_alias
- dm_user_filter
- dm_updatelog
- dm_upgrade_agent
- dm_ftp_servers
- dm_device_ftp
- dm_subnet_ftp
- dm_authority

Database diagrams

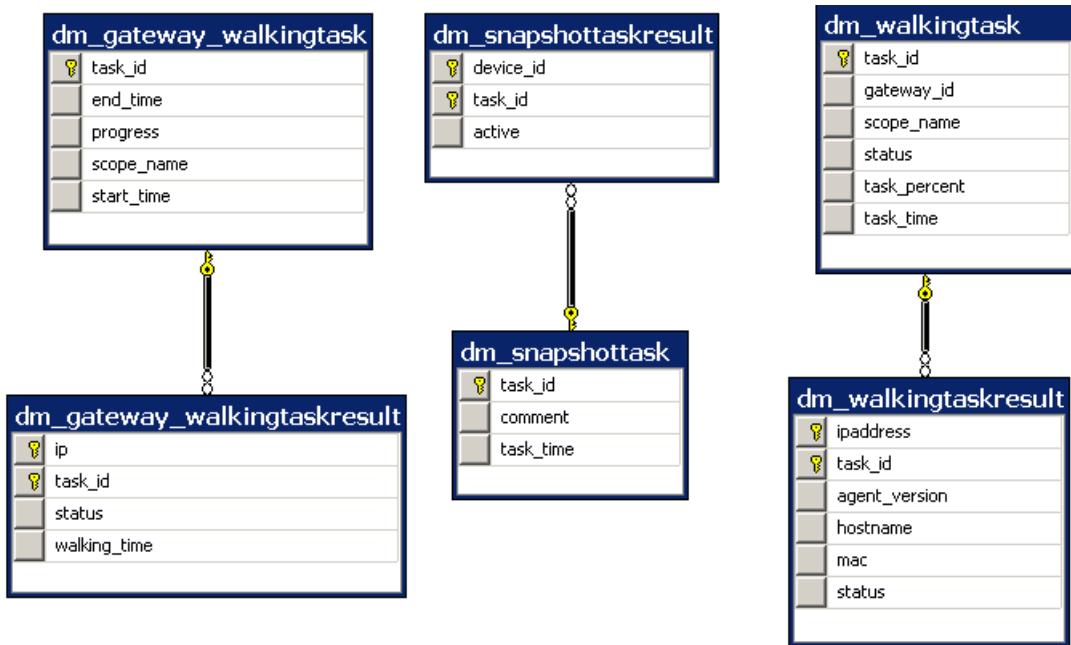
Device-related diagram



Filter- and user-related diagram



Other diagrams



Examples

Generate device information

To find the device name and status for all operating system types, use the following procedure. The Device Report function will also generate these results, but will include more information than necessary.

1. Connect to the database server.
2. Locate the table dm_devices.
3. Write the following SQL statements, which include only the device name and if the status is on:

```
select device_NAME, active
from DB_NAME.dbo.dm_devices
where dm_devices.active = 'on';
```
4. View the results.

1 [select device_NAME, ac...] × Messages

device_NAME	active
sim-0001	on
HP000c29b6583e	on
HP0016D3DF5CF5	on
upId-643150f3d5cf	on
HP-462QLGDMJ429	on
HP-82QEHAMTLNFV	on
HP-OBCVRV55FPCA	on
HP-ALPYS0OJM4F3	on

Use the following procedure to determine which devices do not use auto-map FTP based on the results of the previous procedure.

1. Locate the table dm_repo_mapping.
2. Join the tables dm_devices and dm_repo_mapping using the following SQL statements:

```
Select dm_devices.device_NAME, dm_devices.active
from DB_NAME.dbo.dm_devices, DB_NAME.dbo.dm_repo_mapping
where dm_devices.active = 'on' and dm_devices.device_id = dm_repo_mapping.map_key
and dm_repo_mapping.category = 3;
```
3. View the results.

1 [select dm_devices.dev...]	
device_NAME	active
sim-0001	on
HP0016D3DF5CF5	on

Generate all device inventory information

1. Locate the Device-related tables, which include the dm_devices table and the inventory-related tables.
2. Write the following SQL statements. You can use **left join** to connect all the tables you need. Left join will generate the related results.

```
-- You can replace the "*" with specified columns you care about
select * from DB_NAME.dbo.dm_devices
-- append hardware information
left join DB_NAME.dbo.dm_inv_hardware
on dm_devices.device_id = dm_inv_hardware.device_id
-- append software information
left join DB_NAME.dbo.dm_inv_software
on dm_devices.device_id = dm_inv_software.device_id
-- append ewf information
left join DB_NAME.dbo.dm_inv_ewf
on dm_devices.device_id = dm_inv_ewf.device_id
-- append display information
left join DB_NAME.dbo.dm_inv_display
on dm_devices.device_id = dm_inv_display.device_id
-- ... (you can keep appending the table)
-- If you want devices with specified device ID information, you can add a "where" clause:
where dm_devices.device_id = "xxxxx";
```
3. View the results.

1 [- select * from "hpdm..."] Messages									
device_id	active	agent_version	device_name	device_sn	ewf	first_contact	found_date	inv_md5	ip
00:00:00:00:00:01	on	4.3.3662.10576	sim-0001	NA	Disabled	0	2011-11-17 09:56:04:100	<null>	1.0.0.1
00:0C:29:B6:58:3E	on	4.2.3665.09295	HP000c29b6583e	VMware-56	NA	0	2011-11-17 14:11:37:673	44088261987D094A8E6FC92075434944	16.186.118.1
00:16:D3:DF:5CF5	on	4.3.3662.11368	HP0016D3DF5CF5	CNV817001J	NA	0	2011-11-17 11:10:33:967	719FC0F03A464598EB4F497AA1F4A766	16.186.117.1
3C:4A:92:D4:DD:F9	off	4.2.3660.09315	HP-SEF78EF73BUN	000000000	Disabled	0	2011-11-17 09:57:42:223	<null>	16.186.119.2
64:31:50:F3:D5:CF	on	4.4.3667.12120	upld-643150f3d5cf	CNW0500K13	NA	0	2011-11-17 09:57:42:440	<null>	16.186.118.1
9C:8E:99:C5:F5:90	on	4.2.3660.09315	HP-CNT41GILOS8	MXL1240ZFC	Enabled	0	2011-11-18 16:49:46:340	<null>	16.186.119.1
9C:8E:99:C5:f6:68	on	4.2.3660.09315	HP-462QLGDMJ429	MXL1240ZFN	Disabled	0	2011-11-17 10:12:22:483	0FA089A6C2AAC8FF7C1855199588043	16.186.119.1
D4:85:64:00:00:00	on	4.4.3660.12652	HP-82QEHAMTLNFV	To Be Filled By O.E.M.	Enabled	0	2011-11-17 16:45:26:113	<null>	16.186.119.5
D4:85:64:70:C9:88	on	4.2.3660.09315	HP-DQ8BL2SG560P	CNVA310MB1	Disabled	0	2011-11-18 15:28:21:687	<null>	16.186.118.2
F8:0F:41:38:F8:44	off	4.4.3660.12652	HP-OBCTRVR55FPCA	CNW1450D1Z	Disabled	0	2011-11-18 14:21:19:837	<null>	16.186.118.1
F8:0F:41:38:F9:31	on	4.4.3660.12652	HP-ALPYS0OJM4F3	CNW1450D78	Enabled	0	2011-11-18 12:30:43:230	<null>	16.186.119.1

Generate unsuccessful task information

The HPDM Task Report function cannot be used to generate task information where the status is not success, because a criterion can only be set once. To find this task information, use the following procedure.

1. Locate the dm_device_subtasks table.

2. Write the following SQL statement:

```
select * from DB_NAME.dbo.dm_device_subtasks  
where dm_device_subtasks.status != 'success';
```

3. View the results.

device_id	subtask_id	task_id	end_time	error_code	start_time	status	update_date	visible
00:00:01:00:00:00	00000021	2011-11-18 09:30:30:820	0		2011-11-18 09:30:30:533	processing	2011-11-18 09:30:30:820	1
00:0C:29:B6:58:3E	00000022	2011-11-18 14:00:43:817	0		2011-11-18 14:00:43:687	sending	2011-11-18 14:00:43:817	1
00:0C:29:B6:58:3E	00000023	2011-11-18 14:01:07:760	0		2011-11-18 14:01:07:663	suspended	2011-11-18 14:01:07:760	1

Display the task count grouped by task status

1. Locate the table dm_device_subtasks.

2. Write the following SQL statement:

```
select status, count(status) from DB_NAME.dbo.dm_device_subtasks group by status;
```

3. View the results.

status	
failure	4
sending	1
success	9

For more information

To read more about HP Device Manager, go to hp.com/go/hpdm.

Sign up for updates

hp.com/go/getupdated

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