

VMware vCenter Configuration Manager SQL Migration Helper Tool User's Guide

vCenter Configuration Manager 5.4.1

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Installing and Using the VCM SQL Migration Helper Tool

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The VCM SQL Migration Helper Tool is a utility used to simplify the reconfiguration steps required to perform a migration of a prior release of VMware vCenter Configuration Manager (VCM), EMC Ionix Server Configuration Manager (SCM) 5.0 or greater, or Configuresoft Enterprise Configuration Manager (ECM) 4.11.1 or greater. A “migration” upgrade is the process of using a new server with a new installation of Windows Server 2008 R2 for the VCM Collector.

A “migration” upgrade requires you to:

1. Install all of the VCM prerequisites.
2. Copy the VCM databases and files to the new installation.
3. Point the installation or upgrade of VCM to the databases that you copied over instead of having the VCM installation create new databases.

After you perform these steps, the installation or upgrade process will upgrade the databases you copied over to the version of VCM you install.

When you copy databases to the new server, some data is not transferred automatically. For example:

- Scheduled jobs, which store their data in the SQL Server master system database (msdb).
- VCM user accounts and role assignments, whose data is stored in the SQL Server system database master.

The SQL Migration Helper Tool can create SQL scripts to recreate the scheduled jobs, user accounts, and role assignments on the new server after you copy the databases to the new server and attach them to VCM.

Prerequisites

The SQL Migration Helper Tool supports migration upgrades from VCM 5.2.1 or later, EMC Ionix SCM 5.0 or later, and ECM 4.11 or later.

Before you run the SQL Migration Helper Tool, you must log onto Windows Server 2008 R2 on the new server using an account that has VCM, SCM, or ECM Admin access to the Collector.

For information to transfer and attach VCM databases, see the *VCM Installation and Getting Started Guide*.

Download and Install the SQL Migration Helper Tool

Download and install the SQL Migration Helper Tool from the VMware Web site.

Using the SQL Migration Helper Tool

When you start the SQL Migration Helper Tool, a default connection is made to the local server, which is used for the Collector. To connect to a remote server upon startup, enter a different server name.

When the SQL Migration Helper Tool opens, the Job Scripting tab appears, which is used to create a SQL script to recreate the master system database (msdb) jobs used for scheduled jobs in VCM, ECM, or SCM.

Regenerate Scheduled Jobs

The Job Scripting tab creates a script used to regenerate scheduled jobs.

- **Script Job types.** Select the option to match the prefix of SQL Server Agent jobs names as viewed in SQL Server Management Studio.

Typically, the script job type will be the same as the product name and the VCM database name.

However, the script type might differ depending on the VCM version that was originally installed and the number of upgrades that have been performed.

For example, an EMC Ionix SCM 5.2 system installed with default settings will require you to select **Script SCM Jobs**. However, if a custom database name was used, it might be necessary to select **Script All Jobs** instead, and edit the resulting script to remove any jobs that are not needed for VCM functionality.

- **Preserve existing job IDs in script.** Saves the job IDs when you save the script to clipboard or a file. Retain the default setting, which is selected.
- **Include ECM/SCM/VCM system jobs like Heartbeat and Maintenance.** System jobs such as VCM Heartbeat are recreated on the target system when you install VCM. Retain the default setting, which is unselected.
- **Script to Clipboard.** Creates the job recreation script and copies the script to the clipboard.
- **Script to File.** Creates the job recreation script and saves the script to a file.

Procedure

1. Log into the new Collector using a sysadmin role.
2. Attach the VCM databases to VCM.
3. Run the resulting jobs script on the new Collector.

The scheduled jobs that you used on your previous Collector are available for use.

Regenerate Membership Logins

The Login Scripting tab creates a script to regenerate VCM user accounts and VCM role memberships that match the memberships on the original Collector that is being migrated. This Login Scripting function creates a separate script to run in the main VCM database on the VCM, SCM, or ECM target system, rather than running it in the msdb.

- **Database Name.** Name of the existing Configuration Manager database that will be copied over for the migration.
- **Script to Clipboard.** Creates the job recreation script and copies the script to the clipboard.
- **Script to File.** Creates the job recreation script and saves the script to a file.

To recreate the membership logins

1. Log into the new Collector using a Security Admin role or sysadmin role.
2. If not already done, attach the VCM databases to VCM.
3. Run the resulting login script on the new Collector.

The VCM user accounts and role assignments that you used on your previous Collector are available for use.

