



# Release Notes for Data Migration Assistant Release 7.1(2)

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**Updated June 22, 2009**

This document comprises the new features that are included and caveats that are resolved in Data Migration Assistant (DMA) Release 7.1(2).

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- [Introduction, page 1](#)
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  - [Caveats That Are Resolved in Data Migration Assistant 7.1\(2\), page 3](#)
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## Introduction

Data Migration Assistant (DMA) Release 7.1(2) collects application data from Unified CM Releases 4.1(3), 4.2(3), 4.3(1), and 4.3(2) system for upgrade to Cisco Unified Communications Manager Release 7.1(2). DMA exports data in the current Window based system (with SQL server database) that later gets imported to the appliance-based system (with Informix database).

DMA saves the data that it exports in a tape archive (.tar) file in a location that you specify.

In addition to creating an export, DMA also performs a set of migration compatibility tests (data validation) on the exported Unified CM 4.x data.

- If DMA discovers issues, either in the export itself or in the data validation, DMA may report some type of “Failure.” Do not consider such a message to be alarming.



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- Even when DMA completes successfully, but especially if any “Error” or “Warning” occurs, you should examine the generated messages. These messages may comprise
  - Simply information about auto-data-correction that will be performed in the migration.
  - Alerts to let you know the problems that DMA encountered as it attempted to check the data.

Generally, these problems require user expertise to determine how to alter the data to remove the migration incompatibility.



**Note**

You must install and run DMA Release 7.1(2) on the Cisco Unified Communications Manager publisher server before you upgrade to Cisco Unified Communications Manager Release 7.1(2). If you make any configuration changes to Cisco Unified Communications Manager after you run DMA, the system does not retain these changes when you upgrade.



**Note**

Do not consider the DMA Export a substitute for a system backup. You cannot use it to restore your Cisco Unified Communications Manager system in the unlikely event that you cannot complete your upgrade.

## Important Notes

The following sections include important information that you should know prior to upgrading to DMA 7.1(2).

- [Before You Begin, page 2](#)
- [Cisco Security Agent, page 3](#)
- [Completion Status Recognition, page 3](#)
- [Caveats That Are Resolved in Data Migration Assistant 7.1\(2\), page 3](#)

## Before You Begin



**Note**

Be aware that it is important that you run DMA early – possibly as early as weeks before the actual upgrade window to allow time to fix any noncompliant data.

A successful DMA run does not completely prepare you for migration and upgrade.

To ensure that you understand critical tasks that must be completed, Cisco recommends that you read the “Before You Begin” section of the *Data Migration Assistant User Guide Release 7.1(2)* before you use DMA to export data from the Windows system.

To understand critical upgrade tasks that must be completed, Cisco also recommends that you refer to *Upgrading to Cisco Unified Communications Manager Release 7.1(2) from Cisco Unified Communications Manager 4.x Releases*.

Find these documents at

[http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod\\_installation\\_guides\\_list.html](http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_installation_guides_list.html).

## Cisco Security Agent

Before the DMA export begins, check the system Cisco Security Agent (CSA) version by right-clicking the red CSA flag in the systray and, from the options that display, click **About**.

If the CSA version is:

- Less than 2.0(5), DMA stops CSA automatically during the export.
- Less than 3.0(3) but greater than 2.0(5), you must manually disable CSA before you run DMA.
- 3.0(3) or higher, CSA can remain enabled while DMA runs.

## Completion Status Recognition

DMA completion reflects four possible outcomes:

- Export Success & Validation Success



### Note

If your DMA run results in one of the following three outcomes, you must fix the inconsistencies and rerun DMA.

- Export Success & Validation Success but with Warnings
- Export Success & Validation Failure
- Export Failure

You can access the DMA log files from the final status window. Use them to see what needs to be fixed.

## Caveats That Are Resolved in Data Migration Assistant 7.1(2)

This section contains a partial list of the defects that are resolved in this release of Data Migration Assistant. You can obtain a full list by reviewing and implementing the information in “[Using Bug Toolkit](#)” section on page 6

- [CSCsv79501](#) Wrong hostname written to /etc/hosts after a W1 install.
- [CSCsv66362](#) DMA Uninstall does not report MSI failures correctly.
- [CSCsv14510](#) AFG Page “Download Server User Password” length validation incorrect.
- [CSCsq94528](#) Cancelling DMA export: Message should be clear in status file.
- [CSCsy07560](#) DMA does not migrate ICD Extension.
- [CSCsy34120](#) Spoken name not getting migrated.
- [CSCsk55905](#) W1 Upgrade Failure Missing Cause Message w/ fixisstandard() error.

# New and Changed Information for Data Migration Assistant 7.1(2)

The following sections contain information that is new or changed for this release of Data Migration Assistant:

- [Data Migration Assistant Enhancements, page 4](#)
- [Effects on CAR Data When You Upgrade Cisco Unified Communications Manager by Using Data Migration Assistant, page 4](#)
- [Ensure CAR Administrator Privileges Are Restored After Upgrade, page 5](#)

## Data Migration Assistant Enhancements

Cisco Unified Communications Manager Release 7.1(2) includes the following Data Migration Assistant (DMA) enhancements. For more details, refer to the documents *Data Migration Assistant User Guide 7.1(2)* and *Upgrading to Cisco Unified Communications Manager Release 7.1(2) from Cisco Unified Communications Manager 4.x Releases*:

- The platformConfig.xml file that is generated by DMA supports upgrades for the first node (publisher database server) as well as for the subsequent nodes (subscribers). DMA provides a window where you can make detailed configuration specifications. Enter data at the DMA window **Export > Answer File Generator**.
- DMA provides a window where users can customize the behavior of DMA by specifying which types of logs to include in the output file. Enter data at the DMA window **Export > Custom Options**.
- DMA explicitly lists the pre-DMA export tasks. DMA provides both information and the automation of pre-export tasks, when possible, to ensure that the user knows what tasks to complete before DMA is run. Enter data at the DMA window **Export > Pre-Export Tasks**.
- DMA supports the generation of a license file upon successful DMA validation. The user can upload this license file to Cisco CCO to get the actual license file ready for use. Go to the DMA window **Export > Storage Location** and specify a local directory destination for the license file licupgrade.lic Specify the destination in the Path Name text box of the window Destination Option for License File field.
- DMA provides a window where users can customize the CAR database export process. If the CAR database is installed, select the desired settings at the DMA window **Export > Custom Options**.

### For More Information

- *Data Migration Assistant User Guide Release 7.1(2)*

## Effects on CAR Data When You Upgrade Cisco Unified Communications Manager by Using Data Migration Assistant

By default, the CAR database will not get migrated by Cisco Data Migration Assistant 7.1(2). To migrate the CAR database, go to the **Export > Custom Options** window and adjust the settings. If you are migrating the CAR database, Cisco recommends that you purge the CAR data before running the Data Migration Assistant (DMA). Purging the CDR data speeds up the migration process and decreases the size of the DMA TAR file.

**Note**

Make sure that you purge any CAR records that are older than 180 days.

The Cisco Unified Communications Manager installation program limits the time in which CAR records migrate from the DMA TAR file to the CAR database on the upgraded system. By default, the time limit that is allotted for the CAR component gets set to 60 minutes. To adjust the default settings, go to the **Export > Custom Options** window. To facilitate migration of more data, consider the following information:

- Data migration starts with the migration of billing records from the `tbl_billing_data` CSV file into the `tbl_billing_data` table of the CAR database. Data migration starts from the latest record and proceeds toward the oldest record in the CSV file. The billing data migration stops when no more billing records remain to be migrated or when the 60-minute time limit is reached, whichever occurs first.
- After the billing data migration, if time remains in the preallotted 60 minutes, CAR proceeds with migration of error records from the `tbl_billing_error` CSV file into the `tbl_billing_error` table of the CAR database. Data migration starts from the latest record and proceeds toward the oldest record in the CSV file. For each error record that is migrated, CAR migrates the data that corresponds to the `error_record_id` that exists in the `tbl_error_id_map` CSV file into the `tbl_error_id_map` table of the CAR database. This action ensures that error record migration stays consistent with data in the `tbl_error_id_map`. The migration process continues until no more data remains to migrate or until the 60-minute time limit gets reached, whichever occurs first.
- Whenever the time limit gets reached, CAR data migration stops, and the `tbl_system_preferences` of the CAR database get updated to reflect the data that is present in the upgraded system database.

**Note**

If you upgrade from Cisco Unified Communications Manager 4.x, Cisco Unified Communications Manager saves the content of the Cisco Unified Communications Manager 4.x CAR database to CSV files. The Cisco Unified Communications Manager 4.x CAR database includes part of the CDR information. The Cisco Unified Communications Manager 4.x CDR database stores the complete information about CDRs. This database does not migrate. The Data Migration Tool uses the CAR database CSV files to migrate the CAR database. The system stores the CSV files in the `/common/download/windows/car` directory. The system stores the pregenerated reports in the `/common/download/windows/pregenerated` database. Because no corresponding CDR database exists in Cisco Unified Communications Manager 5.x and later releases, the complete CDR data does not migrate to the Cisco Unified Communications Manager 5.x or 6.x system. The Cisco Unified Communications Manager 5.x and 6.x CAR database schema gets extended to contain complete CDR information, but only for the new CDRs that the Cisco Unified Communications Manager 5.x and 6.x systems generate.

**For More Information**

- *Data Migration Assistant User Guide Release 7.1(2)*

## Ensure CAR Administrator Privileges Are Restored After Upgrade

When you use DMA to upgrade Cisco Unified Communications Manager, CAR users no longer have CAR administrator privileges after the upgrade and become standard end users. You must reset the CAR administrator privileges after the upgrade. Refer to the “Configuring CAR Administrators, Managers, and Users” section in the *CDR Analysis and Reporting Administration Guide* for more information on how to configure CAR administrators.

**For More Information**

- *Data Migration Assistant User Guide Release 7.1(2)*

## Caveats

This section contains information about the caveats that this release of DMA resolves and information about how to create your own list of resolved and open caveats.

- [Resolved Caveats, page 6](#)
- [Open Caveats, page 7](#)

## Resolved Caveats

You can find the latest resolved caveat information for Data Migration Assistant by using Bug Toolkit, which is an online tool that is available for customers to query defects according to their own needs.

**Tip**

You need an account with Cisco.com to use the Bug Toolkit to find open and resolved caveats of any severity for any release.

To access the Bug Toolkit, log on to [http://www.cisco.com/cgi-bin/Support/Bugtool/launch\\_bugtool.pl](http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl).

## Using Bug Toolkit

Known problems (bugs) get graded according to severity level. These release notes contain descriptions of:

- All severity level 1 or 2 bugs.
- Significant severity level 3 bugs.

You can search for problems by using the Cisco Software Bug Toolkit.

To access Bug Toolkit, you need the following items:

- Internet connection
- Web browser
- cisco.com user ID and password

To use the Software Bug Toolkit, follow these steps:

**Procedure**

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- Step 1** Access the Bug Toolkit, <http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs>.
  - Step 2** Log in with your cisco.com user ID and password.
  - Step 3** If you are looking for information about a specific problem, enter the bug ID number in the “Search for Bug ID” field and click **Go**.

**Tip**

Click **Help** on the Bug Toolkit window for information about how to search for bugs, create saved searches, create bug groups, and so on.

## Open Caveats

[Table 1](#) describes possible unexpected behaviors in Data Migration Assistant.

**Tip**

For more information about an individual defect, click the associated Identifier in [Table 1](#) to access the online record for that defect, including workarounds.

### Understanding the Fixed-in Version and the Integrated-in Fields in the Online Defect Record

When you open the online record for a defect, you may see data in the “First Fixed-in Version” or “Integrated-in” fields. The information that displays in these fields identifies the list of Cisco Unified Communications Manager interim versions in which the defect was fixed. These interim versions then get integrated into Cisco Unified Communications Manager releases.

Some more clearly defined versions include identification for Engineering Specials (ES) or Service Releases (SR); for example 03.3(04)ES29 and 04.0(02a)SR1; however, the version information that displays for the Cisco Unified Communications Manager maintenance releases may not be as clearly identified.

**Note**

Because defect status continually changes, be aware that [Table 1](#) reflects a snapshot of the defects that were open at the time this report was compiled. For an updated view of open defects, access Bug Toolkit and follow the instructions as described in the [Using Bug Toolkit, page 6](#).

**Tip**

Bug Toolkit requires that you have an account with Cisco.com. By using the Bug Toolkit, you can find caveats of any severity for any release. Bug Toolkit may also provide a more current listing than this document provides. To access the Bug Toolkit, log on to <http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs>.

**Table 1** *Open Caveat for DMA 7.1(2)*

Identifier	Headline
<a href="#">CSCsv52741</a>	DMA web pages get stored to local disk cache when HTTPS is enabled. <b>Note</b> This represents a MCS OS defect that may impact DMA. To make sure that you are not affected, refer to the Caveat notes.

# Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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