IBM
InfoSphere Change Data Capture
Version 6.5.2

# *InfoSphere Change Data Capture Management Console, Version 6.5.2*

## *Access Server and Management Console Installation Guide*

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## *Access Server and Management Console Installation Guide*

**Note**
Before using this information and the product it supports, read the information in "Notices" on page 27.

**First edition, fourth revision**

This edition applies to version 6, release 5, modification 2 of IBM InfoSphere Change Data Capture (product number 5724-U70), version 6, release 5 of IBM InfoSphere Change Data Capture for z/OS® (product number 5755-U96), version 10, release 1 of IBM InfoSphere Classic Change Data Capture for z/OS (product number 5655-W29), version 10, release 1, modification 2 of IBM InfoSphere Data Replication for Netezza (product number 5725-E30), and to all subsequent releases and modifications until otherwise indicated in new editions.

# Contents

# System requirements for Access Server and Management Console

Before you install Access Server and Management Console, ensure that the system you choose meets the necessary operating system, hardware, software, disk and memory requirements.

In this section, you will learn:



## Hardware requirements

To install Access Server and Management Console, you need the following minimum memory and storage values for each installation:

| RAM | Disk space |
|---|---|
| 512 MB<br><br>(1024 MB is recommended) | 400 MB |

The above disk space requirement includes both the amount of space required by the installer and by the configuration and log files. As you use Access Server and Management Console, you may need additional space for these files. Also, the installer requires 100 MB of disk space on your Windows system drive for temporary files. After you finish installing Access Server and Management Console, this space is released and available for your other applications.

## Software requirements

### Windows

Access Server and Management Console support the following 32-bit Windows operating systems:

- Microsoft Windows XP—x86/x64 processors
- Microsoft Windows Vista—x86/x64 processors
- Microsoft Windows 7—x86/x64 processors
- Microsoft Windows Server 2003—x86/x64 processors
- Microsoft Windows Server 2008—x86/x64 processors
- Microsoft Windows Server 2008 R2—x86/x64 processors

Management Console also installs Java Runtime Environment (JRE) version 1.5. This JRE installation will not affect other JRE installations on your computer.

### UNIX and Linux

Access Server supports the following UNIX and Linux operating systems:

- AIX®, version 5.3.0.8 or later—POWER® processor
- AIX, version 6.1—POWER processor
- AIX, version 7.1—POWER processor
- HP-UX, 11i v2 (11.11)—PA-RISC processor
- HP-UX, 11i v3 (11.23)—PA-RISC processor
- Linux Red Hat version 4—x86/x64 processors
- Linux Red Hat version 5—x86/x64 processors
- Linux Red Hat version 5.4—x86/x64 processors
- Novell SUSE Linux (SLES) 10.0 Enterprise Server—x86/x64 processors
- Novell SUSE Linux (SLES) 11.0 Enterprise Server—x86/x64 processors
- Sun Solaris, version 2.9—SPARC processor
- Sun Solaris, version 2.10—SPARC processor

## Network requirements

Management Console requires a valid TCP/IP network so that it can communicate with your installation of InfoSphere® CDC.

## InfoSphere CDC requirements

In order to configure and initiate a replication environment, Management Console requires that you install InfoSphere CDC on your database platform. To determine the minimum requirements for InfoSphere CDC, see the appropriate *InfoSphere CDC End-User Documentation* for your platform.

# About Access Server

Access Server is the server application that directs communications between Management Console and replication engine processes.

In this section, you will learn:

"Installing Access Server"

## Installing Access Server

This section outlines how to install and uninstall Access Server.

See also:



### To install Access Server (Windows)

1. Double-click on the installation file.
   The IBM® InfoSphere CDC Access Server installation wizard opens.
2. Click **Next**.
3. Read the license agreement and select **I accept the terms in the license agreement** and then click **Next**.
4. Select the folder where you want to install Access Server and click **Next**.
5. Select the location for the product icons and click **Next**.
6. Specify the lowest port number and click **Next**.
7. Enter the username and password for an Access Server account that will be used to perform the following actions:
   - Log in to Access Server from Management Console.
   - Manage users and datastores in Management Console.
8. Review the installation summary and click **Install**.
9. Click **Done** to exit the installation.

**Related tasks**

"To uninstall Access Server (Windows)" on page 5

## To perform a silent installation of Access Server (Windows)

1. Copy the installation file for your platform from the CD-ROM or download it from the IBM Web site.
2. Generate your response file in one of two ways:
   - Edit the following example response file for Access Server so that it is specific to your environment:

```
# Wed Sep 28 15:49:07 EDT 2011
# Replay feature output
# ---------------------
# This file was built by the Replay feature of InstallAnywhere.
# It contains variables that were set by Panels, Consoles or Custom Code.



#Has the license been accepted
#-----------------------------
LICENSE_ACCEPTED=TRUE

#Choose Install Folder
#---------------------
USER_INSTALL_DIR=C:\\Program Files\\IBM\\InfoSphere Change Data Capture
\\Access Server

#Choose Shortcut Folder
#----------------------
USER_SHORTCUTS=C:\\Documents and Settings\\All Users\\Start Menu\\Programs
\\IBM InfoSphere Change Data Capture\\Access Server
#Choose Access Server Port
#-------------------------
as.port=10101

#Choose Access Server User Name
#------------------------------
access.username=Admin

#Choose Access Server Password
#-----------------------------
access.password=myPassword
```

   - Record your own response file by running the following command:
     `<installation_executable_name> -r <response_file>`

     where:
     - *<installation_executable_name>* is the name of the Access Server installation file.
     - *<response_file>* is the name of the response file.

     For example, `cdcaccess-<version>-setup.exe -r ASResponseFile.txt`
3. Silently install Access Server by running the following command:

   `<installation_executable_name> -i SILENT -f <response_file>`

   For example, `cdcaccess-<version>-setup.bin -i SILENT -f ASResponseFile.txt`

## To upgrade Access Server (Windows)

1. Make a note of the location of the `DATA` folder for the existing Access Server for use later. This will enable you to use your existing user, datastore, and subscription settings after you upgrade.

2. Uninstall the existing Access Server.
3. Double-click on the new installation file.

   The IBM InfoSphere CDC Access Server installation wizard opens.
4. Click **Next**.
5. Read the license agreement and select **I accept the terms in the license agreement** and then click **Next**.
6. Select the folder where you want to install Access Server and click **Next**.
7. Select the location for the product icons and click **Next**.
8. Specify the lowest port number and click **Next**.
9. Enter the username and password for an Access Server account that will be used to perform the following actions:
   - Log in to Access Server from Management Console.
   - Manage users and datastores in Management Console.
10. Review the installation summary and click **Install**.
11. Click **Done** to exit the installation.
12. Copy the contents of the old `DATA` folder to the new location to enable you to use the user, datastore and subscription settings it contains. Do NOT overwrite the ID that you created in step 9.

**Related tasks**

"To uninstall Access Server (Windows)"

## To uninstall Access Server (Windows)

1. Ensure that Access Server is not running.
2. Go to the Windows Add or Remove Programs dialog.
3. Click **Change/Remove**
4. Select **IBM InfoSphere CDC Access Server** from the installed programs list.
5. Click **Change/Remove**
6. Click **Uninstall**.
7. Click **Done** after the uninstallation has completed.

**Related tasks**

"To install Access Server (Windows)" on page 3

"To clean up a failed uninstallation of Access Server (Windows)"

## To clean up a failed uninstallation of Access Server (Windows)

1. Back up your Access Server `data` directory. This directory is located in your Windows user application data directory.

   This directory contains user and datastore profile information that you can use after reinstalling Access Server.
2. Delete the Access Server installation directory. You can optionally delete all the subdirectories within the installation directory, and retain your Windows user application data directory.
3. Clean up the Zero G Registry file by removing the entries related to InfoSphere Change Data Capture Access Server. The registry file name and location are as follows:
   - **Windows x86 processor**—`C:\Program Files\Zero G Registry\.com.zerog.registry.xml`
   - **Windows x86-64 processor**—`C:\Program Files(x86)\Zero G Registry\.com.zerog.registry.xml`

By default, these are hidden directories.

**Notes:**

- Ensure that you do not remove entries related to other products that you have also installed on this machine.
- Note that the file name is preceded by a dot (that is, `.com.zerog.registry.xml`).

## To install Access Server (UNIX and Linux)

1. Log on to your UNIX or Linux machine with the account you are using for the Access Server installation.
2. Copy the installation file for your platform from the CD-ROM or download it from the IBM Web site.
3. Make the installation program executable.
4. Start the installation with the following command:

   `./<installation_binary_name>`

   where `<installation_binary_name>` is the name of the installation file.
5. Press **Enter** on the **Introduction** screen to display the license agreement. Follow the instructions on the screen to navigate through the license agreement.
6. Enter 1 to accept the license agreement.
7. Enter the absolute path to your installation directory or press **Enter** to accept the default directory.

   The directory that you specify must be owned by the account you are using for the installation. If the installation program cannot create the directory, you are prompted to specify a different directory.
8. Review the installation summary and press **Enter** to start the installation.
9. Press **Enter** to exit the installation after the installation is complete.

   After you have installed Access Server, you must complete both of the following tasks in the order they are listed before you can log in to Management Console for the first time:

   - Start Access Server.
   - Create an Access Server user account.

**Related tasks**

"To start Access Server (UNIX and Linux)" on page 11

"To create an Access Server user account (UNIX and Linux)" on page 11

"To override the locale for the Access Server installation (UNIX and Linux)" on page 9

## To perform a silent installation of Access Server (UNIX and Linux)

1. Log on to your UNIX or Linux machine with the account you are using for the Access Server installation.
2. Copy the installation file for your platform from the CD-ROM or download it from the IBM Web site.
3. Make the installation program executable.
4. Generate your response file in one of two ways:
   - Edit the following example response file for Access Server so that it is specific to your environment:

```
# Fri Oct 07 09:28:22 EDT 2011
# Replay feature output
# ---------------------
# This file was built by the Replay feature of InstallAnywhere.
# It contains variables that were set by Panels, Consoles or Custom Code.



#Has the license been accepted
#-----------------------------
LICENSE_ACCEPTED=TRUE

#Choose Access Server Port
#-------------------------
as.port=10101

#Choose Install Folder
#---------------------
USER_INSTALL_DIR=/opt/IBM/InfoSphereChangeDataCapture/AccessServer
```

- Record your own response file by running the following command:
  `<installation_executable_name> -r <response_file>`

  where:

  – *<installation_executable_name>* is the name of the Access Server installation file.

  – *<response_file>* is the name of the response file.

  For example, `cdcaccess-<version>-<operating_system>-<architecture>-setup.bin -r ASResponseFile.txt`

  **Note:** The Access Server supported operating system-architecture combinations are `aix-power`, `hpux-pa`, `solaris-sparc`, and `linux-x86`.

5. Silently install Access Server by running the following command:

   `<installation_executable_name> -i SILENT -f <response_file>`

   For example, `cdcaccess-<version>-setup.bin -i SILENT -f ASResponseFile.txt`

## To upgrade Access Server (UNIX and Linux)

1. Make a note of the location of the `DATA` folder for the existing Access Server for use later. This will enable you to use your existing user, datastore, and subscription settings after you upgrade.
2. Log on to your UNIX or Linux machine with the account you are using for the Access Server installation.
3. Copy the installation file for your platform from the CD-ROM or download it from the IBM web site.
4. Make the installation program executable.
5. Start the installation with the following command:

   `./<installation_binary_name>`

   where *<installation_binary_name>* is the name of the installation file.
6. Press **Enter** on the **Introduction** screen to display the license agreement. Follow the instructions on the screen to navigate through the license agreement.
7. Enter 1 to accept the license agreement.
8. Enter the absolute path to your installation directory or press **Enter** to accept the default directory.

The directory that you specify must be owned by the account you are using for the installation. If the installation program cannot create the directory, you are prompted to specify a different directory.

9. Review the installation summary and press **Enter** to start the installation.
10. Press **Enter** to exit the installation after the installation is complete.

    After you have installed Access Server, you must complete both of the following tasks in the order they are listed before you can log in to Management Console for the first time:

    - Start Access Server.
    - Create an Access Server user account.
11. Copy the contents of the old `DATA` folder to the new location to enable you to use the user, datastore and subscription settings it contains. Do NOT overwrite the ID that you created in step 10.

**Related tasks**

"To uninstall Access Server (UNIX and Linux)"

## To uninstall Access Server (UNIX and Linux)

1. Ensure that Access Server is not running.
2. Log on to your UNIX or Linux machine with the account you are using for the Access Server uninstallation.
3. Navigate to the `<Uninstall>` folder for your current installation.
4. Run the following command :

   ```
   Uninstall_Access_Server
   ```
5. Follow the prompts to complete the uninstallation.

**Related tasks**

"To install Access Server (UNIX and Linux)" on page 6

"To clean up a failed uninstallation of Access Server (UNIX and Linux)"

## To clean up a failed uninstallation of Access Server (UNIX and Linux)

1. Back up your Access Server `data` directory.

   This directory contains user and datastore profile information that you can use after reinstalling Access Server.
2. Delete the Access Server installation directory. You can optionally delete all the subdirectories within the installation directory, and retain the `data` directory.
3. Clean up the Zero G Registry file by removing the entries related to InfoSphere Change Data Capture Access Server. The registry file name and location is `/var/.com.zerog.registry.xml`.

   By default, the `.com.zerog.registry.xml` file is hidden.

   **Notes:**

   - Ensure that you do not remove entries related to other products that you have also installed on this machine.
   - Note that the file name is preceded by a dot (that is, `.com.zerog.registry.xml`).

## To override the locale for the Access Server installation (UNIX and Linux)

1. Navigate to the directory that contains the installation file.
2. Start the installer with the following flags to override the locale of the installation:
   - English—<*file_name*>.bin -l en
   - Japanese—<*file_name*>.bin -l ja

   where:
   - <*file_name*> is the name of the installation file.

# After you install Access Server

After installing Access Server on a Linux or Unix platform, you must start Access Server and create a user account. Also, if you are using a firewall or any other security mechanism that requires fixed ports, then you need to configure firewall settings.

In this section, you will learn:



## Starting Access Server

If you have installed Access Server on a UNIX or Linux platform, then you can use the **dmaccessserver** command to start Access Server from the command line. You can locate this command from `/bin` directory of your installation. You must start Access Server before you can log in to Management Console.

See also:

"To start Access Server (UNIX and Linux)"

### To start Access Server (UNIX and Linux)

1. Navigate to the `/bin` directory in your Access Server installation directory.
2. Issue the following command from the command line:

   ```
   ./dmaccessserver &
   ```

**Related tasks**

"To create an Access Server user account (UNIX and Linux)"

**Related reference**

"dmaccessserver—Starting Access Server" on page 23

## Creating an Access Server user account

If you have installed Access Server on a UNIX or Linux platform, then you must use the **dmcreateuser** command to create a user account before you can log in to Management Console.

You can use the same command to add additional users, or you can add additional users in Management Console.

See also:

"To create an Access Server user account (UNIX and Linux)"

### To create an Access Server user account (UNIX and Linux)

1. Ensure that Access Server has been started.
2. Navigate to the `\bin` directory in your Access Server installation directory.
3. Run the following command at the command line:

```
./dmcreateuser <user_name> <full_name> <description> <password> <role>
 <manager> <change_password> <password_expiry>
```

where:

- <*user_name*> is the unique name for the user for which you want to create an account.
- <*full_name*> is the full name of the user.
- <*description*> is a description about the user.
- <*password*> is the password you want the user to supply when logging into Management Console. If you have enabled complex passwords, then you must specify a password that meets the requirements.
- <*role*> is the role you want to assign to the user. Enable one of the following values:
  - **SYSADMIN**—Specifies that a user assigned to this role is a System Administrator and can perform all available operations in Management Console. Only users that require full operational access to the **Monitoring** and **Configuration** perspectives should be assigned to this role. System Administrators can also modify system parameters to calibrate their replication environment
  - **ADMIN**—Specifies that a user assigned to this role is an Administrator and can perform all available operations in Management Console, but cannot modify system parameters. Users assigned to this role can access both the **Monitoring** and **Configuration** perspectives.
  - **OPERATOR**—Specifies a that user assigned to this role is an Operator and only has access to the **Monitoring** perspective in Management Console.
  - **MONITOR**—Specifies that a user assigned to this role is a Monitor and only has access to the **Monitoring** perspective in Management Console.
- <*manager*> indicates that a user assigned the role of SYSADMIN also has privileges to manage datastores and user accounts in the Access Manager perspective of Management Console. If you want to enable this privilege for a System Administrator, then specify a value of TRUE. Otherwise, specify a value FALSE. You must enable this privilege with a value of TRUE if you are creating a user account for the UNIX or Linux platforms that will allow you to log in to Management Console for the first time after the installation.
- <*change_password*> indicates that you want the user to change their password when logging into Management Console for the first time. If you want the user to change the password, specify a value of TRUE. Otherwise, if you want the user to login using the same password you have assigned to them, then specify a value of FALSE.
- <*password_expiry*> indicates that you want to override any existing password expiry policies set in Management Console so that the password never expires. If you want to override an existing password expiry policy, specify a value of TRUE. Otherwise, if you want the password to expire, then specify a value of FALSE.

**Related tasks**

"To start Access Server (UNIX and Linux)" on page 11

**Related reference**

"dmcreateuser—Adding a user account" on page 21

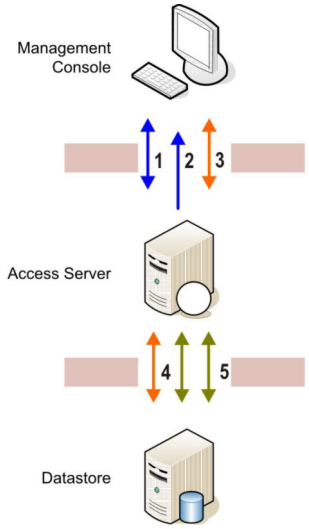
## Configuring firewall settings for outbound (static) ports

If your network uses a firewall or other security mechanism that requires static ports for communication, then you must specify the ports that other computers can use to communicate with Access Server services.

**Note:** In addition to a network firewall, you might have personal firewall software installed and enabled on client machines. This firewall may cause a problem when connecting to Management Console from Access Server.

To calculate the number of Access Server ports to open, use this formula: `number of ports to open = 2 * (number of users + (number of users * number of datastores) + number of datastores)` where a datastore refers to an InfoSphere CDC installation.

The following figure highlights the ports you can configure for Management Console and Access Server components. You can configure static port numbers for all or some of these ports, depending on your network requirements.




The labels in the figure above correspond to the following groups of ports:

- 1—Communication from Management Console to the Access Server service. You specify this port when you install Access Server and when you log in to Management Console. The default port is 10101 and you can set this value in Management Console.
- 2—Communication from Access Server back to Management Console for monitor updates.
- 3—Communication from Management Console to the Access Server service, per datastore (that is, per InfoSphere CDC installation). This requires two ports for each InfoSphere CDC installation.
- 4—Communication from the Access Server service to the datastore, listen process. This is established for each Management Console connection.

- 5—Communication from the Access Server service to the datastore, monitor process. This is a shared connection between all Management Console connections on the same datastore. This requires two ports for each datastore.

You must also configure your routers and firewalls to allow communication through the configured ports. For more information, contact your network administrator.

Management Console requires:

- One input and output port to the Access Server.
- One input port from the Access Server
- One input and output port per datastore (regardless of whether you connect to the datastore)

The Access Server requires:

- One input and output port per datastore, per installation of Management Console
- Two input and output ports, per datastore

Additionally, you can have more than one datastore, or more than one installation of Management Console; for example:

- One installation of Management Console and one datastore
- One installation of Management Console and two datastores
- Two installations of Management Console and one datastore
- Two installations of Management Console and two datastores

## Example: calculating ports required

To help determine the number of ports required, take a scenario where there are ten concurrent users and three datastores.

To calculate the number of Access Server ports to open, use this formula: `number of ports to open = 2 * (number of users + (number of users * number of datastores) + number of datastores)` where a datastore refers to an InfoSphere CDC installation.

Using the above scenario of ten concurrent users and three datastores, the number of Access Server ports required is 86. Here is the breakdown of the calculation, following the order in the figure above illustrating the ports you can configure for Management Console and Access Server components:

- Number of concurrent users that will log into Access Server = 10
- One port per user to connect to and deliver unsolicited message = 10
- Number of possible concurrent connections from Management Console to connect to datastores); that is, 10 users * 3 datastores = 10 * 3
- Number of possible concurrent connections to datastore, listen process; that is, 10 users * 3 datastores)
- Two ports required to connect to each datastore, monitor process = 2 * 3

Therefore, 10 + 10 + (10 *3) + (10 *3) + (2 *3) = 86

To calculate the number of ports to open Management Console, use this formula: `number of ports to open = 2 + number of datastores`

Using the above scenario of ten concurrent users and three datastores, the number of ports required is 5 for each Management Console. This is the breakdown of the calculation for each Management Console:

- Connection to Access Server = 1
- Connection for unsolicited updates from Access Server = 1
- One port for each connection to a datastore, listen process = 1 * 3

Therefore, 1 + 1 + (1 *3) = 5

See also:

"To configure static ports"

## To configure static ports

1. Open the `dmaccessserver.vmargs` file in a text editor. This file is located in the `conf` directory in your Access Server installation directory.
2. Replace the entry in this file with the following text:

   `-jar lib/server.jar local_port:<first_port> local_port_count:<number_available_ports> <Access_Server_listener_port>`

   where:

   - *<first_port>* is the first port in the range that you want the Access Server service to use when sending messages or establishing connections.
   - *<number_available_ports>* is the number of ports you want to reserve for this use.

     To calculate the number of Access Server ports to open, use this formula: `number of ports to open = 2 * (number of users + (number of users * number of datastores) + number of datastores)` where a datastore refers to an InfoSphere CDC installation.
   - *<Access_Server_listener_port>* is the port number that Access Server listens on and is set during the Access Server installation. You do not have to specify a value here if you are using the default port number of `10101`.

   For example, if the number of available ports for communication is 500 and you want Access Server to listen for connections on port 10101, then the entry would be as follows:

   ```
   -jar lib/server.jar local_port:10102 local_port_count:500 10101
   ```

   This enables Access Server to listen for connections on port 10101 and restricts it to using ports in the range of 10102 to 10601.

   These changes will take effect after you restart the Access Server service.

**Related concepts**

"Configuring firewall settings for outbound (static) ports" on page 13

# About Management Console

Management Console is an administration application that allows you to configure and monitor replication. Management Console allows you to manage replication on various servers, specify replication parameters, and initiate refresh and mirroring operations from a client workstation. After defining the data that will be replicated and starting replication, you can close Management Console on the client workstation without affecting data replication activities between source and target servers.

Management Console includes an event log and a monitoring tool. The event log allows you to examine generated InfoSphere CDC event messages. The monitoring tool allows you to continuously monitor replication operations and latency. Diagrams depicting components of your replication configuration are constructed through direct manipulation of graphical objects. The monitor in Management Console is intended for time-critical working environments that require continuous analysis of data movement.

In this section, you will learn:

"Installing Management Console"

## Installing Management Console

This section outlines how to install and uninstall Management Console.

See also:

"To install Management Console"

"To perform a silent installation of Management Console"

"To uninstall Management Console" on page 18

"To clean up a failed uninstallation of Management Console" on page 18

### To install Management Console

1. Double-click on the installation file.

   The IBM InfoSphere CDC Management Console installation wizard opens.
2. Click **Next**.
3. Accept the terms of the license agreement by selecting **I accept the terms in the license agreement** and click **Next**.
4. Select the folder where you want to install Management Console and click **Next**.
5. Select the location for the product icons and click **Next**.
6. Review the installation summary and click **Install**.
7. Click **Done** to exit the installation.

**Related tasks**

"To uninstall Management Console" on page 18

### To perform a silent installation of Management Console

1. Copy the installation file for your platform from the CD-ROM or download it from the IBM Web site.

2. Generate your response file in one of two ways:
   - Edit the following example response file for Management Console so that it is specific to your environment:

```
# Tue Apr 05 13:59:28 EDT 2011
# Replay feature output
# ---------------------
# This file was built by the Replay feature of InstallAnywhere.
# It contains variables that were set by Panels, Consoles or Custom Code.



#Has the license been accepted
#-----------------------------
LICENSE_ACCEPTED=TRUE

#Choose Install Folder
#---------------------
USER_INSTALL_DIR=C:\\Program Files\\IBM\\InfoSphere Change Data Capture
\\Management Console

#Choose Shortcut Folder
#----------------------
USER_SHORTCUTS=C:\\ProgramData\\Microsoft\\Windows\\Start Menu\\Programs
\\IBM InfoSphere Change Data Capture\\Management Console
```

   - Record your own response file by running the following command:
     `<installation_executable_name> -r <response_file>`

     where:
     - *<installation_executable_name>* is the name of the Management Console installation file.
     - *<response_file>* is the name of the response file.

     For example, `dmclient-<version>-setup.exe -r MCResponseFile.txt`
3. Silently install Management Console by running the following command:

   `<installation_executable_name> -i SILENT -f <response_file>`

   For example, `dmclient-<version>-setup.exe -i SILENT -f MCResponseFile.txt`

## To uninstall Management Console

1. Go to the Windows Add or Remove Programs dialog.
2. Click **Change/Remove**
3. Select **IBM InfoSphere Change Data Capture Management Console** from the installed programs list.
4. Click **Change/Remove**
5. Click **Uninstall**.
6. Click **Done** after the uninstallation has completed.

**Related tasks**

"To install Management Console" on page 17

"To clean up a failed uninstallation of Management Console"

## To clean up a failed uninstallation of Management Console

1. Delete any files remaining in the Management Console installation folder.
2. Clean up the Zero G Registry file by removing the entries related to InfoSphere Change Data Capture Management Console. The registry file name and location are as follows:

- **Windows x86 processor**—`C:\Program Files\Zero G Registry\.com.zerog.registry.xml`
- **Windows x86-64 processor**—`C:\Program Files(x86)\Zero G Registry\.com.zerog.registry.xml`

By default, these are hidden directories.

**Notes:**

- Ensure that you do not remove entries related to other products that you have also installed on this machine.
- Note that the file name is preceded by a dot (that is, `.com.zerog.registry.xml`).

# Commands

This section includes the commands necessary for the installation of Access Server.

For more information on other Access Server commands, see *Management Console - Administration Guide*.

In this section, you will learn:



## dmcreateuser—Adding a user account

Use this command to add a new user. Adding a user account is necessary to provide users with the ability to log in to Management Console.

### Syntax

```
DMCREATEUSER username fullname description password role manager changePassword
passwordNeverExpires [-accessserver hostname port adminuser adminpassword]
```

### Parameters

**username**
Specifies the unique name for the user you want to create an account for.

**fullname**
Specifies the full name of the user.

**description**
Specifies a description about the user.

**password**
Specifies the password you want the user to supply when logging into Management Console. If you have enabled complex passwords, then you must specify a password that meets the requirements.

**role**
Specifies the role you want to assign to the user. Enable one of the following values:

- SYSADMIN—Specifies that a user assigned to this role is working in a System Administrator account and can perform all available operations in Management Console. Only users that require full operational access to the **Monitoring** and **Configuration** perspectives should be assigned to this role. System Administrators can also modify system parameters to calibrate their replication environment.
- ADMIN—Specifies that a user assigned to this role is working in an Administrator account and can perform all available operations in Management Console, but cannot modify system parameters. Users assigned to this role can access both the **Monitoring** and **Configuration** perspectives.
- OPERATOR—Specifies a that user assigned to this role is working in an Operator account and has access to both the **Monitoring** and **Configuration** perspectives. Operators can add, import and export projects, but they cannot create new subscriptions. Users assigned to the Operator role can start, stop,

and monitor replication activities. They can also view the tables selected for refresh and start a refresh on a subscription. Operators can view notifications sent by subscriptions or datastores. However, users assigned to this role cannot configure replication and select or remove tables from a refresh.

- MONITOR—Specifies that a user assigned to this role is working in a Monitoring account and only has access to the **Monitoring** perspective in Management Console. Users assigned to the Monitor role can view the event log, view statistics, and view table mappings. Monitors can view the replication state and status of a subscription and can view latency threshold information. However, users assigned to this role cannot start or stop replication, configure replication, refresh tables, or view notifications sent by subscriptions and datastores.

**manager**

Specifies that a user assigned the role of SYSADMIN also has privileges to manage datastores and user accounts in the **Access Manager** perspective of Management Console. If you want to enable this privilege for a System Administrator, then specify a value of TRUE. Otherwise, specify a value FALSE.

**Note:** You must enable this privilege with a value of TRUE if you are creating a user account for the UNIX or Linux platforms that will allow you to log in to Management Console for the first time after the installation.

**changePassword**

Specifies you want the user to change their password when logging into Management Console for the first time. If you want the user to change the password, specify a value of TRUE. Otherwise, if you want the user to login using the same password you have assigned to them, then specify a value of FALSE.

**passwordNeverExpires**

Specifies that you want to override any existing password expiry policies set in Management Console so that the password never expires. If you want to override an existing password expiry policy, specify a value of TRUE. Otherwise, if you want the password to expire, then specify a value of FALSE.

**-accessserver hostname port adminuser adminpassword**

The following parameters are optional and are only required if you are running this command remotely from the system where you have installed Access Server. The **-accessserver** parameter indicates that you want to connect to a remote installation of Access Server. It indicates that you want to run this command for an installation of Access Server that is physically remote from the Access Server installation where you are running this command.

*-accessserver*

Specify -accessserver. This parameter indicates that you want to connect to a remote installation of Access Server.

*hostname*

The fully qualified host name of the remote system where Access Server is installed.

*adminuser*

A user with system administrator (SYSADMIN) privileges (see the **role** parameter above) and the ability to manage users and datastores (see the **manager** parameter above).

*adminpassword*
The password for the specified SYSADMIN user.

**Related tasks**

"To create an Access Server user account (UNIX and Linux)" on page 11

## dmaccessserver—Starting Access Server

Use this command to start Access Server services for Windows and to start Access Server processes for UNIX and Linux.

**Note:** To stop Access Server, use the `kill` command to stop the **dmaccessserver** process.

### Syntax

```
DMACCESSSERVER
```

### Parameters

None.

# Troubleshooting your installation

If you encounter problems when installing Access Server or Management Console, refer to this section.

In this section, you will learn:

"Troubleshooting connection problems"

"Troubleshooting and contacting IBM Support"

## Troubleshooting connection problems

If you have problems connection to Access Server or a datastore (that is, an InfoSphere CDC installation), refer to this checklist.

### Failing to connect to Access Server

- Verify your network firewall configuration between your Management Console and Access Server machines.
- Ensure that you have configured static ports properly on both Management Console and Access Server.

### Failing to connect to a datastore

- Verify your network firewall configuration between your Management Console and Access Server machines.Access Server connects to Management Console so this may lead to a datastore connection problem.
- Ensure that you have configured static ports properly on both Management Console and Access Server.
- If the Management Console machine is configured with a personal firewall, ensure that it is properly configured to allow connections to Management Console from Access Server. Typically, the resolution is to add Management Console to your list of software exemptions in the personal firewall software. However, depending on your personal firewall, this may differ. Consult your personal firewall documentation for any connection conflicts or problems.

**Related tasks**

"To configure static ports" on page 15

## Troubleshooting and contacting IBM Support

The following support page contains the latest troubleshooting information and details on how to open a service request with IBM Support:

- http://www.ibm.com/software/data/infosphere/support/change-data-capture/

For contact information in your region:

- http://www.ibm.com/planetwide/

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