IBM Unica Distributed Marketing Version 8 Release 5 March 16, 2012

## Installation Guide



Note Sefore using this information and the product it supports, read the information in "Notices" on page 49.						

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### **Chapter 1. Preparing to Install**

Installing  $IBM^{\otimes}$  Unica products is a multi-step process that involves working with a number of software and hardware elements that are not provided by IBM Unica. While the IBM Unica documentation provides some guidance regarding specific configurations and procedures required to install IBM Unica products, for details on working with these systems that are not provided by IBM Unica , consult those products' documentation.

Before you begin to install the IBM Unica Marketing software, plan your installation, including both your business objectives and the hardware and software environment required to support them.

### Distributed Marketing basic installation checklist

Read this chapter to gain an overview of the installation process and verify that your environment, planned order of installation, and knowledge levels fulfill the prerequisites.

The following list is a high-level overview of the steps required to perform a basic installation of Optimize. Additional details about these steps are provided in the rest of this guide.

#### Prepare data sources

- "Create the Distributed Marketing system table database or schema" on page 5
  Work with a database administrator to create a database or schema for the
  Distributed Marketing system tables.
- 2. "Step: Create list tables in your customer database" on page 21 To enable lists, you must create six tables in your customer database.
- 3. "Step: Configure the web application server for your JDBC driver" on page 5 For each database type that Distributed Marketing will use, add the database driver to the web application server classpath.
- 4. "Step: Create the JDBC connections in the web application server" on page 6 Create JDBC connections to the Distributed Marketing and Campaign system table databases and the database holding your list tables (usually your customer database). Be sure to use UnicaPlatformDS as the JNDI name for the connection to the Marketing Platform system tables.

#### **Install Distributed Marketing**

- 1. Chapter 3, "Step: Obtain the IBM installers," on page 9
  Download the IBM and Distributed Marketing installers.
- 2. "Information required to install all IBM Unica Marketing products" on page 12 Gather the required database and web application server information.
- 3. "Step: Run the IBM Unica installer" on page 12
  After you have installed, deployed, and verified the Marketing Platform and Campaign, install Distributed Marketing.
- 4. "Step: Register Distributed Marketing manually, if necessary" on page 19

If the Distributed Marketing installer was unable to register, use a Marketing Platform utility to register manually.

#### **Deploy Distributed Marketing**

 Chapter 5, "Step: Deploy the Distributed Marketing web application," on page 23

Follow the deployment guidelines.

#### Configure Distributed Marketing

- "Step: Set up a system user" on page 27
   In the Settings > Users area of IBM Unica Marketing, set up a system user with administrative permissions in Campaign and Distributed Marketing.
- "Step: Set parameters required for a basic installation" on page 27 Edit the collaborate\_config.xml file to set required parameters.
- 3. "Steps: Configure the list display" on page 29
  Set up database tables and edit the list XML files to set up the list display.
- 4. "Step: Map Distributed Marketing tables in Campaign" on page 37 In Campaign, map the Distributed Marketing tables.
- "Step: Verify your Distributed Marketing installation" on page 38
   Log in to IBM Unica Marketing Platform and confirm you can access the Local Marketing menu.

### **Prerequisites**

The following are prerequisites for installing IBM Unica Marketing products.

### System requirements

For detailed system requirements, see the *Recommended Software Environments and Minimum System Requirements* guide for the IBM Unica Marketing products you plan to install.

#### JVM requirement

IBM Unica Marketing applications within a suite must be deployed on a dedicated Java Virtual Machine (JVM). IBM Unica Marketing products customize the JVM used by the web application server. You might need to create an Oracle WebLogic or WebSphere® domain dedicated to IBM Unica Marketing products if you encounter JVM-related errors.

#### **Network domain requirement**

IBM Unica Marketing products that are installed as a Suite must be installed on the same network domain, to comply with browser restrictions designed to limit cross-site scripting security risks.

### Knowledge requirement

To install IBM Unica Marketing products, you must possess or work with people who possess a thorough knowledge of the environment in which the products are installed. This knowledge includes the operating systems, databases, and web application servers.

#### Client machines

Client machines must meet the following configuration requirements.

- Campaign uses an ActiveX control for flowcharts and administration functions. This flowchart automatically downloads when needed. The recommended security setting for the Internet Explorer browser is medium-low for local intranet. Specifically, the client browser must have the following options
  - Download signed ActiveX controls
  - Run ActiveX controls and plug-ins
  - Script ActiveX controls marked safe for scripting
- The browser should not cache pages. In Internet Explorer, select Tools > Internet Options > General > Browsing History > Settings and choose the option that causes the browser to check for a newer version of the page on each visit.
- If software to block pop-up ad windows is installed on the client machine, Campaign might not function properly. For best results, disable the software to block pop-up ad windows while running Campaign.

### Access permissions

Verify that your network permissions allow you to perform the procedures in this guide, and that you have logins with appropriate permissions.

Appropriate permissions include:

- The administrative password for your web application server.
- Administration access for all necessary databases.
- Write permission for all files that you must edit.
- · Write permission for all directories where you must save a file, such as the installation directory and backup directory if you are upgrading.
- Appropriate read/write/execute permissions to run the installer.
- The operating system account that you use to run the web application server and IBM Unica Marketing components must have read and write access to the relevant directory and subdirectories.
- On UNIX, the user account that installs Campaign and the Marketing Platform must be a member of the same group as Campaign users. This user account must have a valid home directory, and have write permissions for that directory.
- · On UNIX, all of the installer files for IBM Unica products must have full execute permissions (for example, rwxr-xr-x).

### Marketing Platform requirement

Before you install any IBM Unica Marketing products, the Marketing Platform must be fully installed and deployed.

Marketing Platform must be running so that:

- The products you install can register their configuration properties and security
- You can set values for configuration properties on the Marketing Platform's Configuration page.

For each group of products that you plan to have work together, you need to install the Marketing Platform only once.

### **Unica Campaign requirement**

You must install Campaign before you install Distributed Marketing.

### If you are upgrading

If you are upgrading, see the section on upgrading.

### IBM Unica components and where to install them

The following diagram provides a brief overview of where to install IBM Unica applications.

This setup is the basic installation that functions. You might require a more complex, distributed installation to meet your security and performance requirements.



# Chapter 2. About preparing the IBM Unica Distributed Marketing data sources

You must set up the required data sources and JDBC connections for Distributed Marketing. You will enter the details about the system table database when you run the IBM installer later in the installation process, so you should print and fill in the "Unica Distributed Marketing data source information checklist" on page 8.

### Create the Distributed Marketing system table database or schema

- 1. Work with a database administrator to create the required database or schema for IBM Unica Distributed Marketing.
  - The Distributed Marketing system database should use UTF-8 character encoding. If you do not use UTF-8, you may encounter a problem when copying certain characters from a Microsoft Word document into Distributed Marketing. In an Oracle database, certain characters display as? when you copy them from Word to a Distributed Marketing field. For DB2<sup>®</sup>, this issue causes a problem when you view objects. To fix the problem, you must go into the database and remove the problem characters.
- 2. Have the database administrator create an account for the database or schema. You will specify this account as a data source for a system user later in the installation process.
  - This account must have at least CREATE, SELECT, INSERT, UPDATE, DELETE, and DROP rights.
- 3. Obtain the information about your database or schema and the database account and then print and complete the "Unica Distributed Marketing data source information checklist" on page 8.

### Step: Configure the web application server for your JDBC driver

Use the following procedure to obtain the correct JDBC driver for your Distributed Marketing installation, and to configure your web application server to use it.

If Distributed Marketing must connect to databases from different vendors, perform this procedure for each database type.

- 1. Obtain the latest vendor-provided Type 4 JDBC driver supported by IBM. See the reference table or tables in this section for details.
  - If the driver does not exist on the machine where Distributed Marketing is
    installed, obtain it and copy it to the machine where you plan to deploy the
    Distributed Marketing web application. You may copy it to any location on
    the machine where you plan to deploy Distributed Marketing. IBM
    recommends you unpack the driver in a path that does not include spaces.
  - If you obtain the driver from a machine where the data source client is installed, verify that the version is the latest supported by IBM.

The following table lists the driver file name or names for database types supported for IBM Marketing system tables.

Database type	File(s)
Oracle 9g and 10g	ojdbc14.jar

Database type	File(s)
Oracle 11	ojdbc5.jar
DB2	db2jcc_license_cu.jar - not present in V9.5
SQL Server	You must use version 1.2 of the SQL Server driver sqljdbc.jar

- 2. Include the full path to the driver in the classpath of the web application servers where you plan to deploy IBM Unica Marketing products, as follows.
  - For all supported versions of WebLogic, set the classpath in the setDomainEnv script in the WebLogic\_domain\_directory/bin directory where environment variables are configured. Your driver entry must be the first entry in the CLASSPATH list of values, before any existing values, to ensure that the web application server uses the correct driver. For example:

#### UNIX

#### Windows

set CLASSPATH=c:\oracle\jdbc\lib\ojdbc14.jar;%PRE\_CLASSPATH%;
%WEBLOGIC CLASSPATH%;%POST CLASSPATH%;%WLP POST CLASSPATH%

- For all supported versions of WebSphere, set the classpath in the Administration console while you are setting up the JDBC providers for the IBM Unica Marketing products.
- 3. Restart the web application server so your changes take effect.

  During startup, monitor the console log to confirm that the classpath contains the path to the database driver.

### Step: Create the JDBC connections in the web application server

The Distributed Marketing web application must be able to communicate with its data sources using JDBC connections. You must create the following JDBC connections in the web application server in which Distributed Marketing is deployed.

- The database holding the Distributed Marketing system tables
- The database holding the Marketing Platform system tables
- · The customer database holding your list tables

This section provides guidelines for creating the connections in WebSphere and WebLogic.

#### JNDI names

- You must use UnicaPlatformDS as the JNDI name for the JDBC connection to the database that holds the Marketing Platform system tables. This is the required name.
- You should use collaborateds as the JNDI name for the JDBC connection to the database that holds the Distributed Marketing system tables. This is the default value of a configuration property that refers to this name. If you do not use the default value, you must set the value later in the configuration process.

Use any name for the connection to the customer database.

Record the JNDI name in the "Unica Distributed Marketing data source information checklist" on page 8.

#### Information for JDBC connections

When you create a JDBC connection, you can use this section to help you determine some of the values you must enter. If you are not using the default port setting for your database, change it to the correct value.

This information does not exactly reflect all of the information required by the web application servers. Where this section does not provide explicit instructions, you may accept the default values. Consult the application server documentation if you need more comprehensive help.

#### WebLogic

Use these values if your application server is WebLogic.

#### **SQLServer**

- Driver: Microsoft's MS SQL Server Driver (Type 4) Versions: 2005
- Default port: 1433
- Driver class: com.microsoft.sqlserver.jdbc.SQLServerDriver
- Driver URL: jdbc:sqlserver:// your\_db\_host:your\_db\_port;databaseName=your\_db\_name
- Properties: Add user=your\_db\_user\_name

#### Oracle 10g and 11

- · Driver: Other
- Default port: 1521
- Driver class: oracle.jdbc.OracleDriver
- Driver URL: jdbc:oracle:thin:@your\_db\_host:your\_db\_port:your\_db\_service\_name
- Properties: Add user=your\_db\_user\_name

#### DB<sub>2</sub>

- · Driver: Other
- Default port: 50000
- Driver class: com.ibm.db2.jcc.DB2Driver
- Driver URL: jdbc:db2://your\_db\_host:your\_db\_port/your\_db\_name
- Properties: Add user=your\_db\_user\_name

#### WebSphere

Use these values if your application server is WebSphere.

#### **SQLServer**

- Driver: N/A
- Default port: 1433
- Driver class: com.microsoft.sqlserver.jdbc.SQLServerConnectionPoolDataSource
- Driver URL: N/A

#### In the Database Type field, select Other.

After you create the JDBC Provider and Data Source, go to the Custom Properties for the Data Source, and add and modify properties as follows.

- serverName=your\_SQL\_server\_name
- portNumber =SQL\_Server\_Port\_Number
- databaseName=your\_database\_name
- enable2Phase = false

#### Oracle 10g and 11

- Driver: Oracle JDBC Driver
- Default port: 1521
- Driver class: oracle.jdbc.OracleDriver
- Driver URL: jdbc:oracle:thin:@your\_db\_host:your\_db\_port:your\_db\_service\_name

#### DB<sub>2</sub>

- Driver: DB2 Universal JDBC Driver Provider
- Default port: 50000
- Driver class: com.ibm.db2.jcc.DB2Driver
- Driver URL: jdbc:db2://your\_db\_host:your\_db\_port/your\_db\_name

### Unica Distributed Marketing data source information checklist

Record the information for your Distributed Marketing system tables database.

Field	Notes
Data source type	
Data source name	
Data source account user name	
Data source account password	
JNDI name	

### Chapter 3. Step: Obtain the IBM installers

Obtain the DVD, or download the software from IBM.

**Important:** Place all of the files in the same directory. This is an installation requirement.

- The IBM installer.
- The Distributed Marketing installer.

The IBM Unica Marketing installation files are named according to the version of the product and the operating system with which they are meant to be used, except for UNIX files intended to be run in console mode, which are not operating system-specific. For UNIX, different files are used depending on whether the installation mode is X-windows or console. For example:

**Windows** - GUI and console mode - *ProductN.N.N.* win32.exe is version N.N.N.N and is intended for installation on the Windows 32-bit operating system.

**UNIX** - X-windows mode - *ProductN.N.N.*\_solaris64.bin is version N.N.N.N and is intended for installation on the Solaris 64-bit operating system.

**UNIX** - console mode - *ProductN.N.N.* sh is version N.N.N.N and is intended for installation on all UNIX operating systems.

### Copying installation files (DVD only)

If you received your IBM Unica installation files on a DVD, or if you created a DVD from a downloaded ISO image file, you must copy its contents to a writable directory available to the system on which you are installing the IBM Unica products before running the installers.

You cannot run IBM Unica Marketing installers directly from read-only media, such as the installation DVD, an ISO image mounted read-only, or a write-restricted directory or volume.

**Note:** For more information about where to place the installation files, see "How the IBM Unica Marketing installers work."

### **How the IBM Unica Marketing installers work**

Read this section if you are not familiar with the basic functions of the IBM Unica installer.

### Single directory requirement for installer files

When you install IBM Unica enterprise products, you use a combination of installers.

- A master installer, which has Unica\_Installer in the file name
- Product-specific installers, which all have the product name as part of their file names

To install IBM Unica Marketing products, you must place the master installer and the product installers in the same directory. When you run the master installer, it detects the product installation files in the directory. You can then select the products you want to install.

When multiple versions of a product installer are present in the directory with the master installer, the master installer always shows the latest version of the product on the IBM Unica Products screen in the installation wizard.

#### Installing patches

You might be planning to install a patch immediately after you perform a new installation of an IBM Unica product. If so, place the patch installer in the directory with the base version and master installer. When you run the installer, you can select both the base version and the patch. The installer then installs both in correct order.

### Installation types

The IBM Unica installer performs the following types of installation.

- New installation When you run the installer and select a directory where an IBM Unica Marketing product has never been installed, the installer automatically performs a new installation.
- Upgrade installation When you run the installer and select a directory where an earlier version of an IBM Unica Marketing product has previously been installed, the installer automatically performs an upgrade installation. See the Upgrading chapters for details.
- · Reinstallation When you run the installer and select a directory where the same version of an IBM Unica Marketing product has previously been installed, the installer automatically performs a new installation. This overwrites all of the files in your existing installation directory.

If automatic database table creation is available for the product, and you select it, your data in the system tables is not modified, except for navigation menu items. If you have modified the navigation menu, you should use the Marketing Platform configTool utility to export those configuration properties, so you can restore them after you reinstall. If you have not modified the navigation menu, you do not need to do anything, as the installer recreates the default menu

You might see some errors because the installer will not be able to create tables in the database, as they already exist. You can safely ignore these errors.

#### Installation modes

The IBM Unica installer can run in the following modes.

Console (command line) mode

In console mode, you enter numbers to select options. If you do not enter a number, but press Enter, the default option is selected.

Default options are indicated by one of the following symbols:

- [X]

When this symbol appears, and you want to select an option other than the one it is next to, first enter the number shown next to the symbol to clear that option, followed by a comma and the number you do want to select.

When this symbol appears, and you want to select an option other than the one it is next to, enter the number you want to select. You do not have to clear the default option explicitly, as you do for the other type.

- · Windows GUI or UNIX X Window System mode
- Unattended mode, which allows no user interaction
  Unattended, or silent, mode is used when you must install an IBM Unica
  product multiple times, for example when you set up a clustered environment.
  For more information, see "Installing multiple times using unattended mode."

### Installing multiple times using unattended mode

If you must install IBM Unica Marketing products multiple times, for example when setting up a clustered environment, you might want to run the IBM Unica installer in unattended mode, which requires no user input.

#### About the response files

Unattended (also known as silent) mode requires a file or set of files that provides the information that a user would enter in the installer wizard when using GUI or console modes. These are known as response files.

The installer automatically creates these response files when you perform an installation in console mode or Windows GUI or UNIX X Window System modes. Therefore, you would normally run the installer in one of these modes to create the response files before setting up an unattended run.

The response files are named installer\_product.properties, except for the file for the IBM Unica installer itself, which is named installer.properties. The installer creates these files in the directory where the installer is located.

#### Backup requirement for response files

You must create a backup version of the response files, because each time you run in unattended mode, the installer overwrites the .properties files with an empty version of the files. Therefore, you must replace the empty files with your backed-up version each time you run in unattended mode.

#### Effect of unattended mode when you uninstall

When you uninstall a product that was installed using unattended mode, the uninstall is performed in unattended mode (without presenting any dialogs for user interaction).

### Where to install Distributed Marketing components

For best performance, IBM recommends that you install Distributed Marketing on its own machine, where no other IBM Unica Marketing products are installed.

The following table describes the components you can select when you install Distributed Marketing.

Component	Description
Distributed Marketing Server	The Distributed Marketing Server, which runs Lists, On-demand Campaigns, and Corporate Campaigns. For best performance, IBM recommends that you install this server on a dedicated system.
Distributed Marketing Developer Toolkits	The Distributed Marketing Developer Toolkits, which provide the Distributed Marketing APIs.

### Information required to install all IBM Unica Marketing products

Gather the required information as described in this section.

#### Marketing Platform information

The installation wizards for each IBM Unica Marketing product must be able to communicate with the Marketing Platform system table database, to register the product.

Each time you run the installer, you must enter the following database connection information for the Marketing Platform system table database.

- · Database type.
- · Database host name.
- Database port.
- · Database name or schema ID.
- User name and password for the database account.

You obtained this information when you created the database or schema.

#### Web component information

For all IBM Unica Marketing products that have a web component that you deploy on a web application server, you must obtain the following.

- · The name of the systems on which the web application servers are installed. You might have one or several, depending on the IBM Unica Marketing environment you are setting up.
- The port on which the application server listens. If you plan to implement SSL, obtain the SSL port.
- The network domain for your deployment system. For example, mycompany.com.

### Step: Run the IBM Unica installer

Before you run the IBM Unica installer, verify that you have met the following prerequisites.

- You have downloaded the IBM Unica installer and the installers for products you plan to install. Both the IBM Unica and product installers must be in the same directory.
- · You have available the information you gathered as described in "Information required to install all IBM Unica Marketing products."

If you are rerunning the installer on a system where other IBM Unica products are installed, do not reinstall these products.

See the other topics in this section for details about the installer, or if you need help entering information in the wizard.

Run the IBM Unica installer as described here, and follow the instructions in the wizard.

- GUI or X Window System mode Run the Unica\_Installer file. On UNIX, use the .bin file.
- Console mode

Open a command prompt and from the directory where you downloaded the IBM Unica software, run the Unica Installer executable file as follows.

On Windows, run the Unica installer executable file with -i console. For example, Unica\_Installer\_N.N.N.N\_OS -i console

On UNIX, run the Unica\_installer.sh file with no switch.

· Unattended mode

Open a command prompt and from the directory where you downloaded the IBM software, run the Unica Installer executable file with -i silent. On UNIX, use the .bin file. For example, to specify a response file located in the same directory as the installer:

Unica Installer N.N.N.N OS -i silent

To specify a response file in a different directory, use -f filepath/filename. Use a fully qualified path. For example:

Unica Installer N.N.N.N OS -i silent -f filepath/filename

For more information about unattended mode, see "Installing multiple times using unattended mode" on page 11.

#### IBM Site ID

The installer might prompt you to enter your IBM Site ID. Your IBM Site ID can be found on the IBM Welcome letter, Tech Support Welcome letter, Proof of Entitlement letter, or other communications sent when you purchased your software.

IBM might use data provided by the software to better understand how customers use our products and to improve customer support. The data gathered does not include any information that identifies individuals.

If you do not want to have such information collected, after the Marketing Platform is installed, log on to the Marketing Platform as a user with administration privileges. Navigate to the Settings > Configuration page, and set the Disable Page Tagging property under the Platform category to True.

#### Database environment variables

During installation, the installer may prompt you for the type of database you are using. This allows the installer to automatically set some of the environment variables specific to your database installation in the web application's setenv file. For supported databases, this allows the installer to configure values automatically so that you do not need to set them manually after the installation is complete.

When the Database Type screen appears, select the type of database you are using.

For UNIX installations only, enter the following information as indicated. For database types not listed on the installer screen, you can manually configure the setenv file as described in "Step: Set data source variables in the Campaign startup script (UNIX only)" after the installation is complete.

#### **Database environment variables**

Database	Values to Enter
IBM DB2	<ul> <li>DB2 installation directory         For example, /usr/lpp/db2_06_01 or C:\Program Files\IBM\SQLLIB.         This is the value you might set elsewhere as the DB2DIR environment variable.</li> <li>DB2 instance path</li> </ul>
	For example, /home/db2inst1 or C:\db2inst1.
Microsoft SQL Server	No additional settings necessary.
Oracle	<ul> <li>Oracle installation directory         For example, /opt/oracle or C:\oracle. This is the value you might set elsewhere as the ORACLE_BASE environment variable.</li> <li>Oracle's home directory         For example, /home/oracle/product/11.1.0/db_1 or C:\oracle\orall.1. This is the value you might set elsewhere as the ORACLE_HOME environment variable.</li> </ul>

### Step: Set data source variables in the Campaign startup script (UNIX only)

During Campaign installation, the IBM Unica Installer collects database information from you and uses that information to automatically configure the database and environment variables required to create and use the Campaign system tables. Those settings are stored in the setenv.sh file in the bin directory under your Campaign server installation.

For access to data sources (such as Campaign customer tables) that do not use the same type of database as the system tables, you must manually configure the setenv.sh file to add the database and library environment variables described in "Database and library environment variables (UNIX)."

Note that if you modify this file when the Campaign server is already running, you must restart the server before changes to the setenv file are recognized. See "Step: Start the Campaign server" on page 17 for more details.

Refer to the "IBM Unica Campaign database information checklist" on page 17 for the required information to add to the seteny file.

### Database and library environment variables (UNIX)

Set database and library environment variables required for your databases (customer tables and, if you chose Manual Database Setup during installation, the system tables) and operating system in the setenv.sh file as described in the following tables.

### **Database environment variables**

Database	Syntax and Description
DB2	DB2DIR=full_dir_path
	export DB2DIR
	DB2 installation directory (for example, /usr/1pp/db2_06_01).
	. full_path_to_db2profile
	Sources the database configuration for DB2 users (e.g./home/db2inst1/sqllib/db2profile).
	Note the ". " (period and then a space).
Informix <sup>®</sup>	INFORMIXDIR=full_dir_path
	export INFORMIXDIR
	Informix client installation directory (for example, /export/home/informix/SDK2.90UC3)
	ODBCINI=full_path_and_file_name
	export ODBCINI
	Full path to the odbci.ini file
	INFORMIXSQLHOSTS=full_path_and_file_name
	Full path to the sqlhosts file
Netezza <sup>®</sup>	NZ_ODBC_INI_PATH=full_dir_path
	export NZ_ODBC_INI_PATH
	Directory location of the odbci.ini file
	(e.g. /opt/odbc64v51)
	ODBCINI=full_path_and_file_name
	export ODBCINI
	Full path to the odbc.ini file
Oracle	ORACLE_BASE=full_dir_path
	export ORACLE_BASE
	Oracle installation directory
	ORACLE_HOME=full_dir_path
	export ORACLE_HOME
	Oracle's home directory (e.g. /home/oracle/OraHomel).

Database	Syntax and Description
ODBC (Sybase)	SYBASE=full_dir_path
	export SYBASE
	Sybase installation directory (e.g. /home/sybase).
	ODBC=full_dir_path
	export ODBC
	Directory where the ODBC driver is installed (e.g. /home/sybase/drivers).
	ODBCINI=full_path_and_file_name
	export ODBCINI
	Full path to the obdc.ini file
Teradata	ODBCINI=full_path_and_file_name
	export ODBCINI
	Full path to the obdc.ini file

### Library environment variable

Define the library environment variable as follows, depending on your UNIX operating system.

Operating System	Value
SunOS and Linux	LD_LIBRARY_PATH
	For example:
	LD_LIBRARY_PATH= <campaign_home>/bin:<path db="" lib<br="" to="">directory&gt;:\$LD_LIBRARY_PATH</path></campaign_home>
	export LD_LIBRARY_PATH Note: If LD_LIBRARY_PATH_64 (for 64-bit linking) is set, remove it. The LD_LIBRARY_PATH variable will be ignored if LD_LIBRARY_PATH_64 is set.
AIX®	LIBPATH
	For example: LIBPATH= <campaign_home>/bin:<path db="" directory="" lib="" to="">:/usr/lib:\$ORACLE_HOME/lib32:\$ORACLE_HOME/lib</path></campaign_home>
HP-UX	SHLIB_PATH
	For example: SHLIB_PATH= <campaign_home>/bin:<path db="" directory="" lib="" to="">:/usr/lib:\$ORACLE_HOME/lib32:\$ORACLE_HOME/lib</path></campaign_home>

### Library directories for Oracle databases

Different versions of Oracle have different naming conventions for their lib directories. Older versions used lib for 32-bit and lib64 for 64-bit; newer versions use lib32 for 32-bit and lib for 64-bit.

If you install 32-bit Campaign, you must include either <code>\$ORACLE\_HOME/lib32</code> or <code>\$ORACLE\_HOME/lib</code> — whichever one contains the 32-bit Oracle libraries.

If you install 64-bit Campaign, you must include either <code>\$ORACLE\_HOME/lib</code> or <code>\$ORACLE\_HOME/lib64</code> — whichever one contains the 64-bit Oracle libraries.

**Note:** Do not include paths to both the 32- and 64-bit libraries; include only the path to the library you are using for your version of Campaign.

### Step: Start the Campaign server

You can start the Campaign server directly, or install it as a service.

**Note:** The Marketing Platform and Campaign web application must be deployed and running when you start the Campaign server.

### IBM Unica Campaign database information checklist

Record the information about the database holding your Campaign system tables.

Field	Notes
Database type	
Database name	
Database account user name	
Database account password	
JNDI name	
ODBC name	

Only if you are installing on UNIX, obtain the following additional information. You will use it when you edit the setenv.sh file during the installation and configuration process.

Database information	Notes
If your database type is any of the following, make a note of the database installation directory.	
• DB2	
Informix (client)	
Oracle	
ODBC (Sybase)	
If your database type is any of the following, make a note of the location of the ODBC.ini file.	
Informix	
Netezza	
ODBC (Sybase)	
Teradata	
If your database type is ODBC (Sybase), make a note of the location of the ODBC driver in the database installation.	

Database information	Notes
For all database types when Campaign is installed on the Solaris, Linux, or AIX operation systems, make a note of the location of the lib directory in the database installation.	

### Step: Check the installation log for errors

After the installation has completed, check the udm-tools.log file in the /tools/logs/ directory of your Distributed Marketing installation for any errors.

**Note:** If you are performing a new installation, the error related to drop table commands is normal and expected.

### To create an EAR file after running the installer

Use this procedure if you want to create an EAR file after you have installed IBM Unica Marketing products. You might want to do this if you decide you want a different combination of products in the EAR file.

The WAR files must be in a single directory. You will run the installer in console mode, from the command line.

1. If this is the first time you are running the installer in console mode, make a backup copy of the installer's .properties file for each of your installed products.

These files are located in the same directory where you have placed the IBM Unica product installers. They are named installer\_product.properties, except for the file for the IBM Unica installer itself, which is named installer.properties.

If you plan to run the installer in unattended mode, you should back up the original .properties files, because when the installer runs in unattended mode, it clears these files. To create an EAR file, you need the information that the installer writes in the .properties files during the initial install.

- 2. Open a command window and change directories to the directory that contains the installer.
- 3. Run the installer executable with this option:
  - -DUNICA GOTO CREATEEARFILE=TRUE

On UNIX-type systems, run the .bin file rather than the .sh file.

The installer wizard runs.

- 4. Follow the instructions in the wizard.
- 5. Before you create additional EAR files, overwrite the .properties file or files with the backup(s) you created before you ran in console mode for the first time.

### Step: Register Distributed Marketing manually, if necessary

If the Distributed Marketing installer could not connect with the Marketing Platform system table database during the installation process, you see an error message that notifies you of this failure. The installation process will proceed, but in this case you must import the Distributed Marketing information into the Marketing Platform system tables manually.

The configTool utility is located in the tools/bin directory under your Marketing Platform installation. For detailed instructions on using the configTool utility, see "The configTool utility," on page 43.

Run the configTool utility, using the following example commands as guidelines. This imports configuration properties and menu items. Note that you run the utility as many times as there are files.

```
configTool -r Collaborate -f
"full_path_to_DistributedMarketing_installation_directory\conf\
DistributedMarketing_configuration.xml"
```

configTool -v -i -p "Affinium|suite|uiNavigation|mainMenu" -f
"full\_path\_to\_DistributedMarketing\_installation\_directory\conf\
DistributedMarketing\_navigation.xml"

configTool -v -i -p "Affinium|suite|uiNavigation|settingsMenu" -f
"full\_path\_to\_DistributedMarketing\_installation\_directory\conf\
DistributedMarketing\_setings.xml"

### Chapter 4. About pre-deployment configuration

You must perform the tasks described in this section before you deploy the web application.

### Step: Create and populate the Distributed Marketing system tables

**Important:** This step is required only if you selected the manual database setup when you ran the installer, or if the automatic database setup failed during installation.

You must create the Distributed Marketing system tables in the system table database, and populate them with required data.

- 1. Open the *Distributed\_Marketing\_home*>/tools/bin/setenv.bat or setenv.sh file in a text editor.
- 2. Set the JAVA\_HOME and DBDRIVER\_CLASSPATH parameters if they have not already been set.
- 3. Run the udmdbsetup.bat or udmdbsetup.sh file, located in the <Distributed\_Marketing\_home>/tools/bin directory. Follow the instructions for the type of installation you are performing: new installation, reinstallation, or upgrade.

#### If this is a new installation or a reinstallation:

Run udmdbsetup using the full installation parameter. Use the correct parameter values for your locale and installation type. The following example creates and populates the Distributed Marketing system tables for a new installation on Windows in the en\_US locale:

```
udbmdbsetup.bat -Len US -tfull -v
```

#### If this is an upgrade installation:

Run udmdbsetup using the upgrade parameter. Use the correct parameter values for your locale, installation type, and the version you are upgrading from. The following example creates and populates the Distributed Marketing system tables for an upgrade from version 8.2 on UNIX in the fr\_FR locale:

udmdbsetup.sh -b8.2 -Lfr FR -tupgrade -v

### Step: Create list tables in your customer database

To enable lists, you must create six tables in your customer database:

- uacc lists a list of contacts generated as a List.
- uacc\_ondemand\_lists a list of contacts generated by On-Demand Campaigns.
- uacc\_corporate\_lists a list of contacts generated by a flowchart in a Corporate Campaign.
- uacc\_permanent a list of contacts to be permanently added to or deleted from Lists.

- · uacc ondemand permanent a list of contacts to be permanently added to or deleted from On-Demand Campaigns.
- uacc corporate permanent a list of contacts to be permanently added to or deleted from Corporate Campaigns.

**Important:** These tables store the selected contacts ID of the list and must be created in the same database as the customer tables.

#### To create the list tables

- 1. Add any additional columns for your audience level(s) in the listmanager.sql table creation script.
  - The listmanager.sql file is in the tools\admin\db\ $db_type$  directory under your Distributed Marketing installation, where db\_type is the database you are using, sqlserver, oracle, db2, Netezza, or Teradata.
- 2. Execute the listmanager.sql script to create the required tables. Note the following.
  - The script creates the tables in the customer database.
  - You can also add columns to the tables based on your particular requirements for data filtering. For example, you can add a column to filter by region.

### Step: Create Campaign system tables for Distributed Marketing

**Important:** This step is required only if you selected the manual database setup when you ran the installer, or if the automatic database setup failed during installation.

If you chose to set up your database manually when you ran the IBM Unica installer, you must create additional system tables in the IBM Unica Campaign system table database schema for Distributed Marketing.

Run the clb\_systab\_<db\_type>.sql script located in the <Campaign\_home>\ddl directory to create these tables. Run this script in the schema hosting the Campaign system tables.

Note: This step is not required if you chose the Automatic database setup option during installation.

## Chapter 5. Step: Deploy the Distributed Marketing web application

To deploy Distributed Marketing, follow the guidelines in this section.

When you ran the IBM installer, you may have included Distributed Marketing in an EAR file, or you may choose to deploy the Distributed Marketing WAR file. If you included the Marketing Platform or other products in an EAR file, you must follow all the deployment guidelines detailed in the individual install guides for the products included in the EAR file.

We assume that you know how to work with your web application server. Consult your web application server documentation for details such as navigation in the Administration console.

### WebSphere guidelines

#### Guidelines

Follow the guidelines in this section when deploying IBM Unica Marketing application files on WebSphere.

- If you are deploying IBM Unica Marketing applications on WebSphere 6.1, ensure that your version is WebSphere 6.1.0.21 or higher.
- If you are deploying IBM Unica Marketing applications on WebSphere 7.0, ensure that your version is WebSphere 7.0.0.17 or higher.
- Ensure that the JDK source level of the JSP compiler is set to Java 1.5, as follows.
  - In the form where you browse to and select the EAR or WAR file, select
     Show me all installation options and parameters so the Select Installation
     Options wizard runs.
  - In step 1 of the Select Installation Options wizard, select Precompile JavaServer Pages files.
  - In step 3 of the Select Installation Options wizard, ensure that the JDK Source Level is set to 15.

### Steps for deploying on Websphere

- 1. Deploy the IBM Unica file as an enterprise application.
- In the server's Web Container Settings > Session Management section, enable cookies.
- 3. In the server's **Applications > Enterprise Applications** section, select the EAR file or WAR files that you deployed, then select **Class loading and update detection** and set the following General Properties:
  - If you are deploying a WAR file:
    - For Class loader order, select Classes loaded with local class loader first (parent last).
    - For WAR class loader policy, select Single class loader for application.
  - If you are deploying an EAR file:
    - For Class loader order, select Classes loaded with local class loader first (parent last).

- For WAR class loader policy, select Class loader for each WAR file in application.
- 4. If your system tables are in DB2, go to the data source's Custom Properties. Set the value for **resultSetHoldability** to 1.
  - If you do not find a field named **resultSetHoldability**, add this as a custom property with the value set to 1.
- 5. If you are deploying multiple IBM Unica applications, modify the session cookie name for each deployed application to ensure that it is unique, as follows:
  - In the server's Applications > Enterprise Applications >
     [deployed\_application] > Session Management > Enable Cookies > Cookie
     Name section, specify the session cookie name.
  - Select the **Override session management** checkbox.

### Specify generic JVM arguments

Specify following Generic JVM arguments in the server's Java Virtual Machine properties:

- -Dcollaborate.home= Distributed Marketing installation directory
- -Dcollaborate.config= Distributed Marketing installation
- directory\conf\collaborate\_config.xml -Dclient.encoding.override=UTF-8

## IBM WebSphere Application Server V7.0 requires fixpack 7.0.0.17 or higher

If you plan to use the IBM WebSphere Application Server V7.0 to deploy any IBM Unica Marketing products, you must apply Fix Pack 17 (also referred to as Version 7.0.0.17) or higher to address a security issue. This applies to all WebSphere Application Server 7.0 packages, including the version that is bundled with some IBM Unica Marketing products.

You can obtain Fix Pack 17 or higher here:

http://www-01.ibm.com/support/docview.wss?rs=180&uid=swg27013594.

Note that on that page, you must select the correct Fix Pack before you download.

For additional information about supported WebSphere versions for deploying IBM Unica Marketing products, see the *Recommended Software Environments and Minimum System Requirements* document for each product.

### WebLogic guidelines

Follow the guidelines in this section when deploying IBM Unica Marketing products on WebLogic.

#### All versions of WebLogic, all IBM Unica Marketing products

- IBM Unica Marketing products customize the JVM used by WebLogic. You may need to create a WebLogic instance dedicated to IBM Unica Marketing products if you encounter JVM-related errors.
- Verify that the SDK selected for the WebLogic domain you are using is the Sun SDK by looking in the startup script (startWebLogic.cmd) for the JAVA\_VENDOR variable. It should be set to: JAVA\_VENDOR=Sun . If it is set to

JAVA\_VENDOR=BEA, JRockit has been selected. JRockit is not supported. To change the selected SDK, refer to the WebLogic documentation.

- Deploy the IBM Unica Marketing products as web application modules.
- On UNIX systems, you must start WebLogic from the console to allow correct rendering of graphical charts. The console is usually the machine on which the server is running. In some cases, however, the web application server is set up differently.

If a console is not accessible or does not exist, you can emulate a console using Exceed. You must configure Exceed so that your local Xserver process connects to the UNIX machine in root window or single window mode. If you start the web application server using Exceed, you must keep Exceed running in the background to allow the web application server to continue running. Please contact IBM Unica Technical Support for detailed instructions if you encounter problems with chart rendering.

Connecting to the UNIX machine via telnet or SSH always causes problems rendering charts.

- If you are configuring WebLogic to use the IIS plug-in, review the WebLogic documentation.
- Add the following parameters in the JAVA\_OPTIONS section of startWeblogic.cmd or startWeblogic.sh:
  - -Dcollaborate.home=Distributed Marketing installation directory -Dcollaborate.config=Distributed Marketing installation directory \conf\collaborate\_config.xml -Dfile.encoding=UTF-8

### Chapter 6. About post-deployment configuration

You must perform the tasks described in this section after you deploy Distributed Marketing.

Note that this is the minimum configuration you must perform for a basic installation. To use Distributed Marketing to fulfill your business needs, you will perform the additional configuration described in the *IBM Unica Distributed Marketing Administrator's Guide*.

### Step: Set up a system user

Log in to IBM Unica Marketing as a user with the AdminRole role in the Marketing Platform and create a user with at least the following permissions.

- The DistributedMarketingAdminRole role in Distributed Marketing
- The Admin role in Campaign

Make a note of the user name, as you must use this name as the value of the systemUserLoginName and

 ${\tt flow} chart {\tt ServiceCampaignServicesAuthorizationLoginName}\ parameters\ in\ a\ later\ step.$ 

### Step: Set parameters required for a basic installation

You must configure the following parameters in the collaborate\_config.xml file, located in the conf directory under your Distributed Marketing installation.

Note that this file contains many other parameters that you can optionally configure. See the *IBM Unica Distributed Marketing Administrator's Guide* for complete details.

Parameter	Description
jndiname	JNDI name you configured in the web application server for the connection to the Distributed Marketing system table database.
systemUserLoginName	Login name of a Marketing Platform user to be used for system tasks (for example, the system task monitor or the scheduler). IBM strongly recommends that the system user not be a normal Distributed Marketing user.
notifyCollaborateBaseURL	The fully qualified URL for Distributed Marketing. Edit this URL by entering the computer name and company domain where you installed Distributed Marketing and the port number to the port on which the web application server is listening. For example, http://collaborateserver.companyDomain:7001/collaborate.

Description
The URL to the CampaignServices2.0 web service that should be used to run flowcharts, get flowchart data, and so on.
The default is http://Server-Name:Port/Campaign/services/CampaignServices30Service.
where <i>Server-Name</i> and <i>Port</i> are defined by the notifyCollaborateBaseURL parameter. <b>Note:</b> Do not change the default value for this parameter unless Campaign is installed on a different machine or port than Distributed Marketing.
A Campaign user with administrative permissions, including access to all data sources, for example, asm_admin.
The full path to the Distributed Marketing upload directories. Edit this path to include the full path to the Distributed Marketing upload directories. For example, c:\Unica\DistributedMarketing\projectattachments.
If you are using UNIX, confirm that Distributed Marketing users have permission to read, write, and execute files in this directory.
The full path to the Distributed Marketing task upload directories. Edit this path to include the full path to the Distributed Marketing task upload directories. For example, c:\Unica\DistributedMarketing\taskattachments.
If you are using UNIX, confirm that Distributed Marketing users have permission to read, write, and execute files in this directory.
The full path to the Distributed Marketing template directories. Edit this path to include the full path to the Distributed Marketing template directories. For example, c:\Unica\DistributedMarketing\templates.
If you are using UNIX, confirm that Distributed Marketing users have permission to read, write, and execute files in this directory.
The type of web application server you are using. The valid values are WEBLOGIC or WEBSPHERE.
The default Campaign partition. Distributed Marketing uses this parameter if you do not define the <campaign-partition-id>tag in a project template file.</campaign-partition-id>
Set value to partition1.
The default Campaign folder ID. Distributed Marketing uses this parameter if you do not define the <campaign-folder-id>tag in a project template file.</campaign-folder-id>
Set value to 2.
Specifies the directory for attachments generated by flowcharts in Campaign. This path must match the default Campaign partition directory.
The machine name or IP address of your organization's SMTP server.

Parameter	Description
notifyDefaultSenderEmail	A valid email address for Distributed Marketing to use to send emails when there is otherwise no valid email address available to send notification emails.
templateAdminGroup_Name	The list of groups that have access to template configuration options. Groups with the same name must exist in Marketing Platform. You must separate multiple groups with commas. The default value is Template Administrators.
defaultListTableDSName	The datasource name used for templates if you are upgrading from a version earlier the Affinium Collaborate 7.5.1, if the datasource name is not defined.
templateAutoGenerateNameEnabled	Whether the template name is auto-generated (true) or not (false). Default value is true.

### Steps: Configure the list display

To enable corporate marketers to share lists with field marketers, you must configure these lists to link to your customer data. As you configure your Distributed Marketing database settings, you first need to create the list tables. Later, you configure the display format, search criteria, and table relationships.

To set up the list display, you perform the following procedures.

- "Optional step: Set up data filters for the list display"
- "Step: Create list tables in your customer database" on page 21
- "Step: Configure the View List and Search List pages" on page 30

### Optional step: Set up data filters for the list display

Data filters are available across the Marketing Platform, enabling you to limit what data IBM Unica Marketing users can see.

For example, you can create a data filter based on region so your regional field marketers can see only the customers in their region. The data filters apply to all data viewed in Distributed Marketing, including when you create lists, when field marketers review lists and search for other contacts, and when working with forms.

#### Components affected by data level filtering for the list display

Configuring these data filters requires coordination between three components of the Marketing Platform:

- The data filters in the Marketing Platform as a whole
- · Lists and forms in Distributed Marketing
- Table mapping and flowcharts in Campaign

#### Example workflow for configuring data filters

The following example shows the steps involved were you to set up data level filtering for the list display bases on your customers' regions:

- 1. Create a **region id** column in the list tables in Distributed Marketing.
- 2. Create data filters in the Marketing Platform for each region, based on the **region\_id** column of the list manager tables in your customer database.

- 3. Map the **region id** column in the list tables to the **region id** column in your customer database using Campaign.
- 4. Create flowcharts in Campaign that populate the **region id** column.
- 5. Configure the list display and the form templates in Distributed Marketing to filter on the region id column.

**Note:** As shown in the above example, data filtering requires planning and is an iterative process. You must coordinate your configuration across the Marketing Platform, Campaign, and Distributed Marketing. You must ensure that you use the same naming conventions across these components.

### Step: Configure the View List and Search List pages

To enable field marketers to review the lists, you must format and configure the View List and Search List pages. The following guidelines describe the general changes you must make to the View List and Search List configuration files.

Note: If no search screen is configured for an audience level, users cannot add records when reviewing a list for this audience level; the Add Records link is disabled.

#### Configuring the database connection

Edit the listmanager tables.xml file, located in the conf directory under your Distributed Marketing installation, as follows:

- Define the data source containing your customer tables.
- Define the tables you want to access.
- Define the columns in the tables that you want to display on the View List page.

**Note:** There is only one copy of listmanager tables.xml, and it defines the columns that are used in view list and search list screens. Configure the listmanager\_tables.xml appropriately for both the listmanager\_list.xml and listmanager searchScreens.xml files.

#### Configuring the View List page

Edit the listmanager list.xml file, located in the conf directory under your Distributed Marketing installation, as follows:

- Define the type of data views with the List element.
- Define the data that appears in each view.
- Define the sort order of each view.
- Define an application to display customer details.

#### Configuring the List Search page

Edit the listmanager searchScreens.xml file, located in the conf directory under your Distributed Marketing installation, as follows:

- Define the available search criteria.
- Define the way Distributed Marketing displays the results.

### About disabling the List Manager List tables

If you do not want to use the List Manager, you need to edit the collaborate config.xml file and set the listManagerEnabled parameter to false.

### List display configuration files

Distributed Marketing controls the display of lists through three XML files:

- listmanager\_tables.xml
- listmanager\_list.xml
- listmanager\_searchScreens.xml

These files are located in conf directory under your Distributed Marketing installation.

At installation, these XML files are populated with examples that work with the sample data provided.

Note the following:

- To add special characters to the listmanager XML files, use Unicode encoding. For example, é should be encoded as U+00E9.
- To use certain characters in the configuration files, you must use XML entities. For example, using < as a value will break the configuration file, as it is part of the XML syntax. You must use the entity for <, which is &lt;.
- If you update the listmanager XML files (for example if you add new columns or a new list display), you must also update the corresponding properties files (list\_language.properties and/or searchscreen\_language.properties).

#### listmanager\_tables.xml

You can use the listmanager\_tables.xml file to declare the following:

- The audience level of the data model of your organization on which the list content is based
- The data source
- The tables used in the search and list screens

#### AudienceLevel

AudienceLevel defines the audience levels of your data model. It contains the following attributes:

- Label A short description of the audience level.
- Name The code for identifying the audience level. This must match the AudienceLevel attribute of the list element of the listmanager list.xml file.
- Table The name of the table which contains the audience level.
- Datasource The name of the datasource used to access the table from the customer database.

#### For example:

```
<AudienceLevel Label="Indiv" Name="Individual" Table="v_indiv_contact"
Datasource="JNDI_Name_for_customer_DB">
```

Each AudienceLevel element contains a child element, Column:

```
<AudienceLevel ...>
<Column... />
</AudienceLevel>
```

#### Column

The Column parameter specifies the ID column in the audience level table. Column contains a single attribute, Name, for the name of the ID column(s) in the Audience table. For example:

```
<Column Name="Indiv ID"/>
```

#### **DataSource**

The Datasource element defines the data source declared to access the tables. It contains the following attributes:

- Name The JNDI name of the data source in the web application server.
- Type The database type. The valid values are SQLSERVER, DB2, ORACLE, NETEZZA, or TERADATA.
- Decimal Separator The character which denotes the decimal place. The valid values are period (.) or comma (,).

#### For example:

```
<Datasource Name="ACC DEMO" Type="SQLSERVER" DecimalSeparator="."/>
```

#### **Table**

Table defines the tables on which the search screens and list screens are based. This element contains the following attributes:

- Name The name of the table.
- DataSource The data source used to access the table.
- Owner The owner or schema of the database (used to prefix the table name).

#### For example:

```
<Table Name="v_indiv_contact" Datasource="ACC_DEMO" Owner="dbo">
```

Each Table element contains a child element, Column, which can optionally include a LinkedTo parameter:

```
<Table ...>
<Column...>
<LinkedTo ... />
</Column>
</Table>
```

#### Column

The Column parameter describes each column in the table defined by the parent Table element. It contains the following attributes:

- Name The name of the column.
- Type The type of data stored in the column. Valid values are A
   (alphanumerical), N (numerical), D (date stored as VARCHAR yyyymmdd), F
   (date stored as DATE/DATETIME).
- Length The length of the column.
- Decimal Length The length of the decimal part for a numeric column.

#### For example:

```
<Column Name="Indiv ID" Type="N" Length="10" />
```

The LinkedTo parameter specifies the relationship between a column and a table that defines references. For example, a table contains userID and householdID

columns. These columns need to reference another table that relates userID to the Customer audience and householdID to the Household audience.

This element contains the following attributes:

- Table The table where the reference is defined.
- Column The key column of the table on which the reverence is defined.

### For example:

```
<LinkedTo Table="v_indiv_contact" Column="Indiv_ID"/>
```

## listmanager\_list.xml

You can use the listmanager\_list.xml file to configure the view list screens.

### List

The List element describes the list display format. You can define several display formats as long as the code is unique. You can choose the format to apply when opening the list screen. For example, you can create a contact format that displays only the name, address, and phone number of the contact and create a demographic format to display the income, age, and gender of the contact.

This element contains the following attributes:

- Name The name of the list display format.
- Code The code of the list display format. It must be unique.
- AudienceLevel The audience level the list display format is based on. This audience level is defined in the listmanager\_tables.xml file.
- Multiple If set to true, you can select more than one member of the list. If set to false, you can only select one member of the list.
- Datasource The name of the datasource used to access the table from the customer database.

### For example:

```
<List Name="Contact" Code="CONTACT" AudienceLevel="Individual"
Datasource="JNDI_Name_for_customer_DB">
```

Each List element can contain Select, Order, and Link child elements:

### Select

The Select element describes the table and columns to display in the list content. Distributed Marketingdisplays the columns in the same order as they appear in this file.

This element contains the following attributes:

- Table The name of the table to display. It must also be defined in the listmanager\_tables.xml file.
- Column The name of the column to display from the related table. It must also be defined in the listmanager\_tables.xml file.

• Label - The label of the column header. It is a tag that will be replaced by localized descriptor contained in each list\_language.properties resource bundle file.

### For example:

```
<Select Table="v_indiv_contact" Column="indiv_id" Label="indiv_id"/>
```

#### Order

The Order element describes the default sorting column(s). It contains the following attributes:

- Table The name of the table that contains the sorting column(s). It must also be defined in the listmanager tables.xml file.
- Column The column on which the sorting is based. It must also be defined in the listmanager tables.xml file.
- Label The order type. The valid values are ASC for ascendant sorting or DESC for descendant sorting.

### For example:

```
<Order Table="v indiv contact" Column="last name" Type="ASC"/>
```

#### Link

The Link element describes the URL for the external application that contains customer details. The Link element is optional. It contains the following attributes:

- URL The base URL of the application, without any parameters.
- Label The link label or icon tool tip.
- Logo The name of a file as use as the icon. (optional)
- LogoHeight The height of the icon. (Use only with the Logo attribute.)
- LogoWidth The width of the icon. (Use only with the Logo attribute.)
- NavName The browser name.

Each Link element can contain multiple Param child elements.

### For example:

```
<Link Url="http://localhost:7073/LeadsContact/callLeads.jsp"</pre>
Label="last name" Logo="contact.gif">
<Param Name="affiniumUserName" Type="user" Value="userlogin"/>
<ParamName="LeadsRmcTbid" Type="column"</pre>
Value="v customer contact.customer id"/>
</Link>
```

#### **Param**

The Param element describes a parameter to add to the base URL. It contains the following attributes:

- Name The http parameter name.
- Type The type of information to send. The valid values are user to send the current logged user information and column to send the value of a specified column.
- Value The specific information to send. If the Type attribute value is user, the valid values of the Value attribute are userlogin and userid. If the Type attribute

value is column, the valid value of the Value attribute is the column whose value should be appended to the base URL, specified as Table.column.

DateFormat - The format for sent dates. Used only for a date column (type D or F).

### For example:

```
<Param Name="affiniumUserName" Type="user" Value="userlogin"/>
<ParamName="LeadsRmcTbid" Type="column" Value="v_customer_contact.customer_id"/>
```

## listmanager\_searchScreens.xml

You can use the listmanager\_searchScreens.xml file to customize list search screens based on audience level and other criteria.

#### This file defines:

- · The criteria fields
- The displayed result fields

You can define several search screens based on different audiences, different criteria and/or searching results to be used in Distributed Marketing When the field marketers use search, the screen appearance is based on the audience levels configured the listmanager\_tables.xml file. If the various screens are based on the same audience level, the field marketer can choose from the various pre-defined searches. For example, you can create a basic search that only contains name and address, then an advanced search which contains name, address, income, and account activity.

You can choose not to define a search screen for a given audience level in order to prevent adding people to the List Manager for a given campaign or List. The field marketers would not be able to add a contact based on that audience level because no search screen had been defined.

Following are descriptions of each element and sub-element as well as their related attributes.

Listmanager\_searchScreen.xml contains several SearchScreen elements. Each of these sets up a multi-criteria search screen criteria and result set. This element contains the following attributes:

- Name -The name of the screen.
- AudienceLevel The audience level the search screens will be based on. The AudienceLevel is defined in the listmanager\_tables.xml file.
- Label The label of the column header.
- MultiSelect If set to true, you can select more than one element in the final list. If set to false, you can only select one element in the final list.
- Datasource The name of the datasource used to access the table from the customer database.

#### For example:

```
<SearchScreen Name="default_indiv_search" AudienceLevel="Individual"
Label="default_indiv_search" MultiSelect="true"
Datasource="JNDI_Name_for_customer_DB">
```

Each SearchScreen tag has the following structure:

### Criteria

The Criteria element specifies the search criteria. It contains the Field element, which describes the search criteria fields.

#### Field

The Field element contains the following attributes:

- Table The table on which the search is based.
- Column The column on which the search is based.
- Label The descriptor that appears on the screen for the criteria. It is a tag that
  will be replaced by localized descriptor contained in each
  searchScreen language.properties resource bundle file.
- Operator The type of operation. The valid values are =, like, <, >, <=, >=,
   <>.
- Default The optional default value. It can be set to @userlogin and will be replaced by the user login at execution.
- Order The display order of the criteria on the screen.
- Long (Optional) The length of the criteria value. If this is not specified, the criteria takes the value defined in the attribute length of the table's column in the listmanager tables.xml file.
- Minimallength (Optional) The minimal number of characters of the criteria value.
- Case (Optional) The case of the criteria value. The valid values are Lower or Upper.
- Displayed (Optional) Whether the criteria is displayed or hidden. The valid values are true or false.

#### For example:

```
<Field Table="v_indiv_contact" Column="username" Label="username"
Operator="=" Displayed="false" Default="@userlogin" Order="5"/>
```

A Field element can contain a Lookup element. The Lookup element specifies how to populate a list box criteria. The Lookup element contains the following attributes:

- Table The table containing the data of the list.
- Id The ID column containing the data of the list.
- Desc A description of the list.
- Where (Optional) Enables you to filter the values according to a Where clause.
- Display (Optional) Specifies what is displayed in the list box: the code and/or the description. The values can be: id, desc, id desc, or desc id.

### For example:

```
<Lookup Table="lkp_region" Id="Region_id" Desc="Region"
Where="" Display="desc"/>
```

### Result

The Result element specifies the searching results set. It contains Field and Order elements.

#### Field

The Field element specifies the displayed result fields. Field contains the following attributes:

- Table The table containing the searching results.
- Column The column containing the searching results.
- Label The descriptor that appears on the header of the result list.
- Format The format (such as code and/or description) to display in the list box criteria in the case of a column that has a relationship with a lookup table. The value can be code, label, code label, or label code.

### For example:

```
<Field Table="v_indiv_contact" Column="Indiv_ID" Label="indiv_id"/>
```

#### Order

The Order element specifies the displayed sorting column for the result records. Order contains the following attributes:

- Table The table of the column on which the records are sorted.
- Column The columns on which the records are sorted.
- Type The sorting order. The valid values are ASC or DESC.

#### For example:

```
<Order Table="v_indiv_contact" Column="Last_Name" Type="ASC"/<</pre>
```

# Step: Map Distributed Marketing tables in Campaign

You must map the list tables in Campaign. Map the following tables.

- uacc\_lists
- uacc\_ondemand\_lists
- uacc\_corporate\_lists
- uacc\_permanent
- uacc\_ondemand\_permanent
- uacc\_corporate\_permanent

For information about mapping tables, see the Campaign Administrator's Guide.

## Step: Map Campaign system tables for Distributed Marketing

After running the clb\_systab\_<db\_type>.sql script in the schema hosting the Campaign system tables, you must map the new tables in Campaign.

Map these tables as follows:

System table	Database table to map to		
Process Table	UA_Process		
FlowChart Parameters Table	UA_ProcAttribute		
User Variables table	UA_UserVariable		
User Variable Enumeration Table	UA_EnumUserVarVal		
Display Order Table	UA_ccDisplayOrder		
Run Result Table	UA_RunResult		
Sub Attribute Table	UA_Subattribute		

For instructions on mapping system tables in Campaign, see the *IBM Unica Campaign Administrator's Guide*.

## Step: Change CollaborateIntegrationServicesURL parameter

- 1. Open Settings > Configuration > Campaign > Collaborate.
- 2. For CollaborateIntegrationServicesURL, click Edit Settings.
- Change http://server:port/collaborate/services/ CollaborateIntegrationServices/1.0 to http://server:port/collaborate/ services/CollaborateIntegration Services1.0.

# Step: Verify your Distributed Marketing installation

To verify that you have installed Distributed Marketing, log into IBM Unica Marketing and confirm you can access the **Local Marketing** menu. The **Local Marketing** menu provides access to Lists, On-demand Campaigns, Corporate Campaigns, your Subscriptions, and your Calendar.

If you restart either the Campaign or Distributed Marketing web application, you must restart both.

# **Chapter 7. About upgrading Distributed Marketing**

Before you upgrade from any version of Distributed Marketing, be sure that you have read and understood all the topics in this section, to understand what you must do to upgrade from your old version of Distributed Marketing to the new version.

## Order of upgrading

The same considerations described in "Where to install Distributed Marketing components" on page 11 apply when you upgrade.

## Distributed Marketing upgrade scenarios

Follow these guidelines for upgrading Distributed Marketing.

Source version	Upgrade path
Affinium Collaborate 7.x or pre-8.2 versions of Distributed Marketing	You must upgrade to Distributed Marketing 8.2 before you can upgrade to Distributed Marketing 8.5.0.
Distributed Marketing 8.2	Perform an in-place installation of version 8.5.0 over Distributed Marketing 8.2.

## **Upgrading from Distributed Marketing 8.2**

Perform the tasks detailed in this section to upgrade from Distributed Marketing 8.2 to the new version of Distributed Marketing.

# **Back up Distributed Marketing**

Back up all files and the Distributed Marketing database before beginning the upgrade process. This is highly recommended as it provides you a way to restore to a known working state in case of issues during the upgrade process.

# **Undeploy Distributed Marketing**

You must perform this step so that the web application server releases the lock on the WAR file from your Distributed Marketing source system, which will be updated by the Distributed Marketing upgrade installation. This allows the Distributed Marketing upgrade to register the new version of Distributed Marketing in Marketing Platform.

# Shut down and restart the web application server

After undeploying IBM Unica Distributed Marketing, shut down and restart the web application server to ensure that the lock on the WAR file is released.

## Install Distributed Marketing in upgrade mode

Follow the detailed installation steps in "Step: Run the IBM Unica installer" on page 12 to install Distributed Marketing in upgrade mode.

When prompted for the install location during installation, specify the location of the parent directory of the Distributed Marketing installation directory.

The installer detects your existing version of Distributed Marketing and prompts you to confirm the upgrade. After you confirm the upgrade, the installer automatically performs an upgrade install.

The upgrade installation will update the previously migrated registration information for the new version of Distributed Marketing.

## Step: Create and populate the Distributed Marketing system tables

**Important:** This step is required only if you selected the manual database setup when you ran the installer, or if the automatic database setup failed during installation.

You must create the Distributed Marketing system tables in the system table database, and populate them with required data.

- 1. Open the <code>/tools/bin/setenv.bat</code> or setenv.sh file in a text editor.
- 2. Set the JAVA HOME and DBDRIVER CLASSPATH parameters if they have not already been set.
- 3. Run the udmdbsetup.bat or udmdbsetup.sh file, located in the <Distributed Marketing home>/tools/bin directory. Follow the instructions for the type of installation you are performing: new installation, reinstallation, or upgrade.

### If this is a new installation or a reinstallation:

Run udmdbsetup using the full installation parameter. Use the correct parameter values for your locale and installation type. The following example creates and populates the Distributed Marketing system tables for a new installation on Windows in the en US locale:

udbmdbsetup.bat -Len US -tfull -v

### If this is an upgrade installation:

Run udmdbsetup using the upgrade parameter. Use the correct parameter values for your locale, installation type, and the version you are upgrading from. The following example creates and populates the Distributed Marketing system tables for an upgrade from version 8.2 on UNIX in the fr\_FR locale:

udmdbsetup.sh -b8.2 -Lfr FR -tupgrade -v

## Step: Register Distributed Marketing manually, if necessary

If the Distributed Marketing installer could not connect with the Marketing Platform system table database during the installation process, you see an error message that notifies you of this failure. The installation process will proceed, but in this case you must import the Distributed Marketing information into the Marketing Platform system tables manually.

The configTool utility is located in the tools/bin directory under your Marketing Platform installation. For detailed instructions on using the configTool utility, see "The configTool utility," on page 43.

Run the configTool utility, using the following example commands as guidelines. This imports configuration properties and menu items. Note that you run the utility as many times as there are files.

```
configTool -r Collaborate -f
"full_path_to_DistributedMarketing_installation_directory\conf\
DistributedMarketing_configuration.xml"

configTool -v -i -p "Affinium|suite|uiNavigation|mainMenu" -f
"full_path_to_DistributedMarketing_installation_directory\conf\
DistributedMarketing_navigation.xml"

configTool -v -i -p "Affinium|suite|uiNavigation|settingsMenu" -f
"full_path_to_DistributedMarketing_installation_directory\conf\
DistributedMarketing_setings.xml"
```

## Post-upgrade steps

After completing the upgrade, you must perform the following steps.

- 1. Deploy collaborate.war in the Web server if you have not done so. For more information, see Chapter 5, "Step: Deploy the Distributed Marketing web application," on page 23.
- 2. Edit collaborate\_config.xml to set the defaultListTableDSName parameter to the applicable datasource name.
- 3. Edit listmanager\_tables.xml to add additional datasources if you plan to use multiple datasources.

```
For example:
```

```
<Datasource Name="ACC_DEMO" Type="SQLSERVER" DecimalSeparator="."/>
<Datasource Name="ACC_DEMO4" Type="SQLSERVER" DecimalSeparator="."/>
```

- 4. Restart the Web server.
- 5. Open Settings > Distributed Marketing settings > Template Configuration > Templates.
- 6. Open the Campaign tab of each Corporate Campaign template and update the IBM Unica Campaign Service URL to http://server:port/Campaign/services/CampaignServices30Service
- 7. Open Settings > Configuration > Campaign > Collaborate.
- 8. For CollaborateIntegrationServicesURL, click Edit Settings.
- 9. Change http://server:port/collaborate/services/
  CollaborateIntegrationServices/1.0 to http://server:port/collaborate/
  services/CollaborateIntegrationServices1.0.

10. Restart the Web server.

# Appendix. The configTool utility

The properties and values on the Configuration page are stored in the Marketing Platform system tables. The configTool utility imports and exports configuration settings to and from the Marketing Platform system tables.

## When to use configTool

You might want to use configTool for the following reasons.

- To import partition and data source templates supplied with Campaign, which you can then modify and/or duplicate using the Configuration page.
- To register (import configuration properties for) IBM Unica Marketing products, if the product installer is unable to add the properties to the database automatically.
- To export an XML version of configuration settings for backup or to import into a different installation of IBM Unica Marketing.
- To delete categories that do not have the **Delete Category** link. You do this by using configTool to export your configuration, then manually deleting the XML that creates the category, and using configTool to import the edited XML.

Important: This utility modifies the usm\_configuration and usm\_configuration\_values tables in the Marketing Platform system table database, which contain the configuration properties and their values. For best results, either create backup copies of these tables, or export your existing configurations using configTool and back up the resulting file so you have a way to restore your configuration if you make an error when using configTool to import.

## Valid product names

The configTool utility uses product names as parameters with the commands that register and unregister products, as described later in this section. With the 8.0.0 release of IBM Unica Marketing, many product names changed. However, the names recognized by configTool did not change. The valid product names for use with configTool are listed below, along with the current names of the products.

Product name	Name used in configTool	
Marketing Platform	Manager	
Campaign	Campaign	
Distributed Marketing	Collaborate	
eMessage	emessage	
Interact	interact	
Optimize	Optimize	
Marketing Operations	Plan	
CustomerInsight	Insight	
NetInsight	NetInsight	
PredictiveInsight	Model	
Leads	Leads	

## **Syntax**

```
configTool -d -p "elementPath" [-o]
configTool -i -p "parent ElementPath" -f importFile [-o]
configTool -x -p "elementPath" -f exportFile
configTool -r productName -f registrationFile [-o]
configTool -u productName
```

### Commands

### -d -p "elementPath"

Delete configuration properties and their settings, specifying a path in the configuration property hierarchy.

The element path must use the internal names of categories and properties, which you can obtain by going to the Configuration page, selecting the wanted category or property, and looking at the path displayed in parentheses in the right pane. Delimit a path in the configuration property hierarchy using the | character, and surround the path with double quotes.

Note the following.

- Only categories and properties within an application may be deleted using this command, not whole applications. Use the -u command to unregister a whole application.
- To delete categories that do not have the **Delete Category** link on the Configuration page, use the -o option.

### -i -p "parentElementPath" -f importFile

Import configuration properties and their settings from a specified XML file.

To import, you specify a path to the parent element under which you want to import your categories. The configTool utility imports properties *under* the category you specify in the path.

You can add categories at any level below the top level, but you cannot add a category at same level as the top category.

The parent element path must use the internal names of categories and properties, which you can obtain by going to the Configuration page, selecting the desired category or property, and looking at the path displayed in parentheses in the right pane. Delimit a path in the configuration property hierarchy using the | character, and surround the path with double quotes.

You can specify an import file location relative to the tools/bin directory or you can specify a full directory path. If you specify a relative path or no path, configTool first looks for the file relative to the tools/bin directory.

By default, this command does not overwrite an existing category, but you can use the -o option to force an overwrite.

### -x -p "elementPath" -f exportFile

Export configuration properties and their settings to an XML file with a specified name.

You can export all configuration properties or limit the export to a specific category by specifying a path in the configuration property hierarchy.

The element path must use the internal names of categories and properties, which you can obtain by going to the Configuration page, selecting the wanted category or property, and looking at the path displayed in parenthesis in the right pane. Delimit a path in the configuration property hierarchy using the | character, and surround the path with double quotes.

You can specify an export file location relative to the current directory or you can specify a full directory path. If the file specification does not contain a separator (/ on Unix, / or \ on Windows), configTool writes the file to the tools/bin directory under your Marketing Platform installation. If you do not provide the xml extension, configTool adds it.

### -r productName -f registrationFile

Register the application. The registration file location may be relative to the tools/bin directory or may be a full path. By default, this command does not overwrite an existing configuration, but you can use the -o option to force an overwrite. The *productName* parameter must be one of those listed above.

Note the following.

- When you use the -r option, the registration file must have <application> as the first tag in the XML.
  - Other files may be provided with your product that you can use to insert configuration properties into the Marketing Platform database. For these files, use the -i option. Only the file that has the <application> tag as the first tag can be used with the -r option.
- The registration file for the Marketing Platform is named Manager\_config.xml, and the first tag is <Suite>. To register this file on a new installation, use the populateDb utility, or rerun the Marketing Platform installer as described in the IBM Unica Marketing Platform Installation Guide.
- After the initial installation, to reregister products other than the Marketing Platform, use configTool with the -r option and -o to overwrite the existing properties.

### -u productName

Unregister an application specified by <code>productName</code> . You do not have to include a path to the product category; the product name is sufficient. The <code>productName</code> parameter must be one of those listed above. This removes all properties and configuration settings for the product.

### **Options**

-0

When used with -i or -r, overwrites an existing category or product registration (node).

When used with -d allows you to delete a category (node) that does not have the **Delete Category** link on the Configuration page.

## **Examples**

- Import configuration settings from a file named Product\_config.xml located in the conf directory under the Marketing Platform installation.
  - configTool -i -p "Affinium" -f Product\_config.xml
- Import one of the supplied Campaign data source templates into the default Campaign partition, partition1. The example assumes that you placed the Oracle data source template, OracleTemplate.xml, in the tools/bin directory under the Marketing Platform installation.
  - configTool -i -p "Affinium Campaign partitions partition1 dataSources" -f OracleTemplate.xml
- Export all configuration settings to a file named myConfig.xml located in the D:\backups directory.
  - configTool -x -f D:\backups\myConfig.xml
- Export an existing Campaign partition (complete with data source entries), save it to a file named partitionTemplate.xml, and store it in the default tools/bin directory under the Marketing Platform installation.
  - configTool -x -p "Affinium Campaign partitions partition1" -f partitionTemplate.xml
- Manually register an application named productName, using a file named app config.xml located in the default tools/bin directory under the Marketing Platform installation, and force it to overwrite an existing registration of this application.
  - configTool -r product Name -f app config.xml -o
- Unregister an application named productName. configTool -u productName

# **Contacting IBM Unica technical support**

If you encounter a problem that you cannot resolve by consulting the documentation, your company's designated support contact can log a call with IBM Unica technical support. Use the information in this section to ensure that your problem is resolved efficiently and successfully.

If you are not a designated support contact at your company, contact your IBM Unica administrator for information.

## Information to gather

Before you contact IBM Unica technical support, gather the following information:

- A brief description of the nature of your issue.
- Detailed error messages you see when the issue occurs.
- Detailed steps to reproduce the issue.
- Related log files, session files, configuration files, and data files.
- Information about your product and system environment, which you can obtain as described in "System information."

## System information

When you call IBM Unica technical support, you might be asked to provide information about your environment.

If your problem does not prevent you from logging in, much of this information is available on the About page, which provides information about your installed IBM Unica applications.

You can access the About page by selecting **Help > About**. If the About page is not accessible, you can obtain the version number of any IBM Unica application by viewing the version.txt file located under the installation directory for each application.

## Contact information for IBM Unica technical support

For ways to contact IBM Unica technical support, see the IBM Unica Product Technical Support website: (http://www.unica.com/about/product-technical-support.htm).

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