



BEALiquid Data for WebLogic™

Migration Guide

Version 8.1
Document Date: July 2003
Revised: January 2004

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About This Document

This document explains how to install BEA Liquid Data for WebLogic and how to perform a quick test to verify that the software is properly installed.

This document covers the following topics:

- “[Migrating from Liquid Data 1.1 to 8.1](#)” provides instructions for migrating previously created metadata from Liquid Data 1.1 to Liquid Data 8.1. Project file migration is automatic.
- “[Migrating from Liquid Data 1.0 to 8.1](#)” provides instructions for migrating previously created metadata from Liquid Data 1.0 to Liquid Data 8.1. Project file migration is automatic.

What You Need to Know

This document is intended for system administrators or others who want to install and set up Liquid Data.

e-docs Web Site

BEA product documentation is available on the BEA corporate Web site. From the BEA Home page, click on Product Documentation or go directly to the “e-docs” Product Documentation page at <http://e-docs.bea.com>.

How to Print the Document

You can print a copy of this document from a Web browser, one file at a time, by using the File—>Print option on your Web browser.

A PDF version of this document is available on the Liquid Data documentation Home page on the e-docs Web site (and also on the documentation CD). You can open the PDF in Adobe Acrobat Reader and print the entire document (or a portion of it) in book format. To access the PDF files, open the Liquid Data documentation Home page, click the PDF files button and select the document you want to print.

If you do not have the Adobe Acrobat Reader, you can get it for free from the Adobe Web site at <http://www.adobe.com/>.

Contact Us!

Your feedback on the BEA Liquid Data documentation is important to us. Send us e-mail at **docsupport@bea.com** if you have questions or comments. Your comments will be reviewed directly by the BEA professionals who create and update the Liquid Data documentation.

In your e-mail message, please indicate that you are using the documentation for the BEA Liquid Data for WebLogic Version: 8.1.

If you have any questions about this version of Liquid Data, or if you have problems installing and running Liquid Data, contact BEA Customer Support through BEA WebSupport at **www.bea.com**. You can also contact Customer Support by using the contact information provided on the Customer Support Card, which is included in the product package.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages

Documentation Conventions

The following documentation conventions are used throughout this document.

Convention	Item
boldface text	Indicates terms defined in the glossary.
Ctrl+Tab	Indicates that you must press two or more keys simultaneously.
<i>italics</i>	Indicates emphasis or book titles.

Convention	Item
monospace text	<p>Indicates code samples, commands and their options, data structures and their members, data types, directories, and file names and their extensions. Monospace text also indicates text that you must enter from the keyboard.</p> <p><i>Examples:</i></p> <pre>#include <iostream.h> void main () the pointer psz chmod u+w * \tux\data\ap .doc tux.doc BITMAP float</pre>
monospace boldface text	<p>Identifies significant words in code.</p> <p><i>Example:</i></p> <pre>void commit ()</pre>
monospace italic text	<p>Identifies variables in code.</p> <p><i>Example:</i></p> <pre>String <i>expr</i></pre>
UPPERCASE TEXT	<p>Indicates device names, environment variables, and logical operators.</p> <p><i>Examples:</i></p> <pre>LPT1 SIGNON OR</pre>
{ }	<p>Indicates a set of choices in a syntax line. The braces themselves should never be typed.</p>
[]	<p>Indicates optional items in a syntax line. The brackets themselves should never be typed.</p> <p><i>Example:</i></p> <pre>buildobjclient [-v] [-o name] [-f file-list]... [-l file-list]...</pre>
	<p>Separates mutually exclusive choices in a syntax line. The symbol itself should never be typed.</p>

Convention	Item
...	<p>Indicates one of the following in a command line:</p> <ul style="list-style-type: none">• That an argument can be repeated several times in a command line• That the statement omits additional optional arguments• That you can enter additional parameters, values, or other information <p>The ellipsis itself should never be typed.</p> <p><i>Example:</i></p> <pre>buildobjclient [-v] [-o name] [-f file-list]... [-l file-list]...</pre>
. . . .	<p>Indicates the omission of items from a code example or from a syntax line. The vertical ellipsis itself should never be typed.</p>

Introduction

This chapter describes how to migrate previous versions of BEA Liquid Data for WebLogic to Version 8.1. Generally speaking, migration from a previous installation of Liquid Data to a new 8.1 domain is straightforward and quickly accomplished.

For details on migrating previous versions of Liquid Data to 8.1 see the appropriate chapter:

[Migrating from Liquid Data 1.1 to 8.1](#)

[Migrating from Liquid Data 1.0 to 8.1](#)

Instructions in each of these chapters is self-contained, so it should be necessary to reference only the chapter that applies to you and to work through a single set of migration steps.

Moving to a New Liquid Data Service Pack

If you are simply re-installing the product or moving to a more recent Liquid Data service pack (such as 8.1 SP2), follow the steps in the *Installation Guide* regarding:

- Uninstalling the previous version of Liquid Data.
- Installing a new version into the same location.

Note: Any changes you have made to the Liquid Data Samples domain will be overwritten.

If you have Liquid Data applications running in a WebLogic Platform 8.1 domain it is recommended that you:

1. Create a new Liquid Data-enabled domain, as described in the *Deployment Guide*.
2. Deploy Liquid Data applications into your new domain, also described in the *Deployment Guide*.

Introduction

Migrating from Liquid Data 1.1 to 8.1

The basic migration of Liquid Data 1.1 to 8.1 is straightforward. This section provides instructions for such a migration which includes:

- [Platform Installation and Configuration](#)
- [Liquid Data 8.1 Installation and Deployment](#)
- [Liquid Data Migration Steps](#)

Platform Installation and Configuration

Before installing Liquid Data 8.1, the WebLogic platform and domains you will be using with Liquid Data 8.1 must be installed and configured properly. Specifically:

- WebLogic Server 8.1 is successfully installed in a fresh location (not over an existing WebLogic Server 7.0 SP2 installation).
- The appropriate Liquid Data domain(s) is deployed to the same `WL_HOME` used by WebLogic Platform 8.1.

Note: If you are using Liquid Data with more than one domain, you must follow these procedures for each domain that you want to migrate to Liquid Data 8.1.

Liquid Data 8.1 Installation and Deployment

In order to migrate from Liquid Data 1.1 to 8.1 you must create a new Liquid Data installation.

Liquid Data 8.1 Installation

Follow the appropriate preparation, installation, and post-installation steps described in the [Installation Guide](#).

Liquid Data 8.1 Deployment

If you are using Liquid Data in a production environment, deploy Liquid Data to the appropriate WebLogic Platform 8.1 domain as described in the [Deployment Guide](#). Liquid Data 8.1 supports deployment to new and existing domains through the WebLogic Domain Wizard.

Through this wizard you can select the appropriate Liquid Data WebLogic deployment such as WebLogic Portal (WLP), WebLogic Integration (WLI), WebLogic Server (WLS), and WebLogic Workshop.

Liquid Data Migration Steps

Perform the following steps in the order presented to migrate your 1.1 Liquid Data repository and any Liquid Data applications you have created to Liquid Data 8.1.

- [Step 1: Export Liquid Data 1.1 Data Sources](#)
- [Step 2: Copy the 1.1 Liquid Data Repository to 8.1](#)
- [Step 3: Re-create JDBC Connections and JDBC Data Sources](#)
- [Step 4: Migrate Liquid Data-related Project Files, Applications, Custom Functions, and Web Services Not Generated by Liquid Data](#)
- [Step 5: Import Liquid Data 1.1 Data Sources](#)
- [Step 6: Test Your Migration Under Liquid Data 8.1](#)

See also [What Liquid Data Does Not Import or Export](#), in the *Administration Guide*.

Example directories

Examples used in this chapter assume that the Liquid Data 1.1 directory is located at:

```
/opt/prod/bea_70SP2/user_domains/ld_domain
```

where <bea70SP2> is the location of the WebLogic Server 7.0 SP2 server and <LD_DOMAIN> is the location of the Liquid Data 1.1 domain you want to migrate to Liquid Data 8.1.

These examples also assume that the new Liquid Data 8.1 installation is location at:

```
/opt/prod/bea_81/user_domains/ld_domain
```

where <bea_81> is the location of the WebLogic Platform 8.1 server and <LD_DOMAIN> is the location of the new Liquid Data 8.1 installation.

When the discussion relates to the WebLogic Server 7.0 SP2 installation, <WL_HOME_70SP2> is used. Similarly, <WL_HOME_81> represents the WebLogic Server 8.1 installation.

The symbolic name <LD_REPOSITORY> represents the Liquid Data repository and its contents.

Step 1: Export Liquid Data 1.1 Data Sources

This section describes prerequisites and provides specific instructions for migrating Liquid Data 1.1 data sources to Liquid Data 8.1.

Note: Security settings and cache policies are automatically transferred along with data sources.

Prerequisites

Item	Status
WebLogic Server 7.0 SP2 and Liquid Data 1.1	Installed
WebLogic Server 8.1 and Liquid Data 8.1	Installed
Liquid Data 1.1 Server	Running
Liquid Data 8.1 Server	Not running

Actions Required

Perform the following steps to export Liquid Data 1.1 data sources:

1. Start WebLogic Server 7.0 SP2 and Liquid Data 1.1.
2. Open the Administration Console.
3. Export the Liquid Data data sources following the procedure described in the 1.1 Liquid Data *Administration Guide*:

<http://edocs.bea.com/liquiddata/docs10/admin/impexp.html#1044952>

For example, suppose your Liquid Data 1.1 domain is located at:

```
/opt/prod/bea_70SP2/user_domains/ld_domain
```

Migrating from Liquid Data 1.1 to 8.1

and the Liquid Data 8.1 domain is located at:

```
/opt/prod/bea_81/user_domains/ld_domain
```

then if you export to the filename `myDataSource.xml`, your file will be create in the following directory:

```
/opt/prod/bea_70SP2/user_domains/ld_domain/ld_repository/import_export
```

Step 2: Copy the 1.1 Liquid Data Repository to 8.1

This section describes prerequisites and provides specific instructions for copying the Liquid Data 1.1 repository to Liquid Data 8.1

Prerequisites

Item	Status
Migration Step 1	Completed
Liquid Data 1.1 Server	Not running
Liquid Data 8.1 Server	Not running

Actions Required

Perform the following steps to migrate your Liquid Data repository:

1. Make sure no instance of the WebLogic Platform or Liquid Data is running.

Copy the Liquid Data 1.1 repository directory structure to the new repository location.

You can use the Administration Console to determine the name and location of your 1.1 Liquid Data repository. For details see [Configuring Liquid Data Server Settings](#) in the *Administration Guide*.

Using the example directory structure you would copy:

```
/opt/prod/bea_70SP2/user_domains/ld_domain/ld_repository
```

to the directory:

```
/opt/prod/bea_81/user_domains/ld_domain
```

2. Start the Liquid Data 8.1 server in `<WL_HOME_81>`.

3. Open the Administration Console.
4. Set the Liquid Data repository location to the newly copied repository directory. For details see discussions in the Liquid Data *Administration Guide* on [Configuring Liquid Data Server Settings](#) and [Managing the Liquid Data Server Repository](#).

Step 3: Re-create JDBC Connections and JDBC Data Sources

This section describes prerequisites and provides links to instructions for recreating Liquid Data 1.1 JDBC connections and data sources under Liquid Data 8.1.

Prerequisites

Item	Status
Migration Steps 1 and 2	Completed
Liquid Data 1.1 Server	Not running
Liquid Data 8.1 Server	Running

Actions Required

To migrate your Liquid Data JDBC connectivity to relational databases, first determine the directory location of the 1.1 Liquid Data domain you are migrating from, as follows:

1. Click the Home icon at the upper-right of the WebLogic Server 7.0 SP2 Administration Console.
2. Under Domain Configuration, click Domains.
3. Note the appropriate Liquid Data domain. The `config.xml` file for a particular domain is in a directory of the same name. For example the `<WL_HOME_70SP2> config.xml` file would be found in the following directory:

```
/opt/prod/bea_70SP2/user_domains/ld_domain/config/ld_domain
```

4. Inspect `config.xml` for your JDBC configuration information.
5. Start WebLogic Server 8.1 and Liquid Data 8.1.
6. Recreate the JDBC connections and JDBC data sources in the new Liquid Data 8.1 domain.

For detailed information on managing JDBC data sources and connections, see Managing JDBC Connectivity in the WebLogic Server *Administration Guide* and Migrating Domains Using the Configuration Wizard in the WebLogic Platform *Release Notes: 7.0 Service Pack 2*.

Step 4: Migrate Liquid Data-related Project Files, Applications, Custom Functions, and Web Services Not Generated by Liquid Data

This section describes prerequisites and provides specific instructions for moving Liquid Data-related project files, applications, custom functions, and web services *not* generated by Liquid Data from Liquid Data 1.1 to 8.1.

Prerequisites

Item	Status
Migration Steps 1-3	Completed
Liquid Data 1.1 Server	Not running
Liquid Data 8.1 Server	Running

Actions Required

Move and deploy any Liquid Data 1.1-related project files, applications, custom functions, and web services not in the repository.

1. In Liquid Data 1.1, locate the files you want to move to Liquid Data 8.1
2. Copy the files to the same relative location in Liquid Data 8.1
3. For custom functions only, recompile any custom functions under JDK 1.41. For details, see [Using Custom Functions](#).
4. Use the deployments node of the Liquid Data Administration Console to (re)deploy applications, EJBs, web applications, web services, connectors, and so forth.

For additional information on such migrations see discussions in the Liquid Data *Administration Guide* on:

- [Configuring Access to Web Services](#)

- [Configuring Access to Custom Functions](#)
- [Configuring Access to Application Views](#)

Step 5: Import Liquid Data 1.1 Data Sources

This section describes prerequisites and provides specific instructions for importing Liquid Data 1.1 data sources into Liquid Data 8.1.

Prerequisites

Item	Status
Migration Steps 1-5	Completed
Liquid Data 1.1 Server	Not running
Liquid Data 8.1 Server	Running

Actions Required

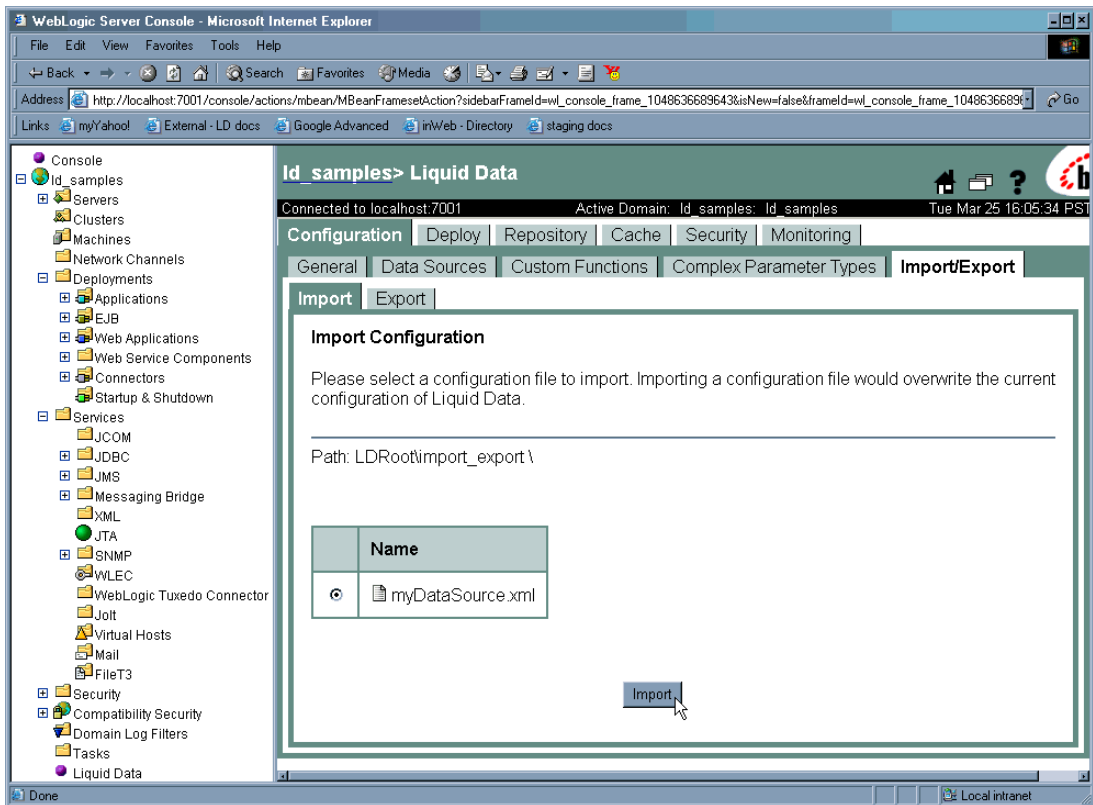
If you have followed instructions in [Step 2: Copy the 1.1 Liquid Data Repository to 8.1](#), your 8.1 data source file `myDataSource.xml` is available under `<WL_HOME_81>` in the following location:

```
/opt/prod/bea_81/user_domains/ld_domain/ld_repository/import_export
```

To import the Liquid Data data sources follow the procedure described in the *Liquid Data 1.1 Administration Guide*:

```
http://edocs.bea.com/liquiddata/docs10/admin/impexp.html#1044952
```

Figure 2-1 Importing a Data Source Through the Administration Console



Step 6: Test Your Migration Under Liquid Data 8.1

This section describes how to test the migration from Liquid Data 1.1 to Liquid Data 8.1 by verifying that your 1.1 metadata is available under Liquid Data 8.1.

- Using the Liquid Data node of the WebLogic Administration Console and the Data View Builder, make sure that the appropriate data sources are available to Liquid Data 8.1.
- Test your projects. Liquid Data 1.1 project files can be opened directly with Liquid Data 8.1 and will be converted to support Liquid Data 8.1 automatically when they are saved. If you created project files in the Liquid Data 1.1 directory structure, you may want to move these projects to the Liquid Data 8.1 area, but there is no requirement that you do so.
- Test your stored queries. You can do this using either an EJB API or the Data View Builder.

- **EJB API.** See [Invoking Queries in EJB Clients](#) in the *Application Developer's Guide*.
- **Data View Builder.** You can load a stored query using the Data View Builder File -> Open Query command. (You may need to navigate to the directory containing your stored queries.)

Once your query has been loaded, you can run it. See [Testing Queries](#) in *Building Queries and Data Views*.

When you are sure your migration from Liquid Data 1.1 to 8.1 has been successful, you are ready to start using Liquid Data 8.1. It is suggested that you retain your Liquid Data 1.1 installation for a reasonable time and then archive it for safekeeping.

Migrating from Liquid Data 1.1 to 8.1

Migrating from Liquid Data 1.0 to 8.1

The basic migration of Liquid Data 1.0 to 8.1 is straightforward. This section provides instructions for such a migration which includes:

- [Platform Installation and Configuration](#)
- [Liquid Data 8.1 Installation and Deployment](#)
- [Liquid Data Migration Steps](#)

Platform Installation and Configuration

Before installing Liquid Data 8.1, the WebLogic platform and domains you will be using with Liquid Data 8.1 must be installed and configured properly. Specifically:

- WebLogic Server 8.1 is successfully installed in a fresh location (*not* over an existing WebLogic Server 7.0 SP2 installation).
- The appropriate Liquid Data domain(s) is deployed to the same `WL_HOME` used by WebLogic Platform 8.1.

Note: If you are using Liquid Data with more than one domain, you must follow these procedures for each domain that you want to migrate to Liquid Data 8.1.

Liquid Data 8.1 Installation and Deployment

In order to migrate from Liquid Data 1.0 to 8.1 you must create a new Liquid Data installation. In a production environment, that installation must be completed for each WebLogic Server 8.1 domain that you are using with Liquid Data.

Liquid Data 8.1 Installation

Follow the appropriate preparation, installation, and post-installation steps described in the Liquid Data *Installation Guide*.

Liquid Data 8.1 Deployment

If you are using Liquid Data in a production environment, deploy Liquid Data to the appropriate WebLogic Platform 8.1 domain. Liquid Data 8.1 supports deployment through the WebLogic Domain Wizard.

Through this wizard you can select the appropriate Liquid Data WebLogic deployment such as WebLogic Portal (WLP), WebLogic Integration (WLI), WebLogic Server (WLS), and WebLogic Workshop. For details see *Deployment Guide*.

Liquid Data Migration Steps

Perform the following steps in the order presented to migrate your 1.0 Liquid Data repository and any Liquid Data applications you have created to Liquid Data 8.1.

- [Step 1: Export Liquid Data 1.0 Data Sources](#)
- [Step 2: Copy the 1.0 Liquid Data Repository to 8.1](#)
- [Step 3: Re-create JDBC Connections and JDBC Data Sources](#)
- [Step 4: Migrate Liquid Data-related Project Files, Applications, Custom Functions, and Web Services Not Generated by Liquid Data](#)
- [Step 5: Migrating Existing Liquid Data-generated Web Services](#)
- [Step 6: Import Liquid Data 1.0 Data Sources](#)
- [Step 7: Migrate 1.0 Stored Queries and Data Views](#)
- [Step 8: Test Your Migration Under Liquid Data 8.1](#)

See also [What Liquid Data Does Not Import or Export](#) in the *Administration Guide*.

Example directories

Examples used in this chapter assume that the Liquid Data 1.0 directory is located at:

```
/opt/prod/bea_70SP2/user_domains/ld_domain
```


where <bea70SP2> is the location of the WebLogic Server 7.0 SP2 server and <LD_DOMAIN> is the location of the Liquid Data 1.0 domain you want to migrate to Liquid Data 8.1.

These examples also assume that the new Liquid Data 8.1 installation is location at:

```
/opt/prod/bea_81/user_domains/ld_domain
```

where <bea_81> is the location of the WebLogic Platform 8.1 server and <LD_DOMAIN> is the location of the new Liquid Data 8.1 installation.

When the discussion relates to the WebLogic Server 7.0 SP2 installation, <WL_HOME_70SP2> is used. Similarly, <WL_HOME_81> represents the WebLogic Server 8.1 installation.

The symbolic name <LD_REPOSITORY> represents the Liquid Data repository and its contents.

Step 1: Export Liquid Data 1.0 Data Sources

This section describes prerequisites and provides specific instructions for migrating Liquid Data 1.0 data sources to Liquid Data 8.1.

Note: Security settings and cache policies are automatically transferred along with data sources.

Prerequisites

Item	Status
WebLogic Server 7.0 SP2 and Liquid Data 1.0	Installed
WebLogic Server 8.1 and Liquid Data 8.1	Installed
Liquid Data 1.0 Server	Running
Liquid Data 8.1 Server	Not running

Actions Required

Perform the following steps to export Liquid Data 1.0 data sources:

1. Start WebLogic Server 7.0 SP2 and Liquid Data 1.0.
2. Open the Administration Console.
3. Export the Liquid Data data sources following the procedure described in the 1.0 Liquid Data *Administration Guide*:

`http://edocs.bea.com/liquiddata/docs10/admin/impexp.html#1044952`

For example, suppose your Liquid Data 1.0 domain is located at:

`/opt/prod/bea_70SP2/user_domains/ld_domain`

and the Liquid Data 8.1 domain is located at:

`/opt/prod/bea_81/user_domains/ld_domain`

then if you export to the filename `myDataSource.xml`, your file will be create in the following directory:

`/opt/prod/bea_70SP2/user_domains/ld_domain/ld_repository/import_export`

Step 2: Copy the 1.0 Liquid Data Repository to 8.1

This section describes prerequisites and provides specific instructions for copying the Liquid Data 1.0 repository to Liquid Data 8.1

Prerequisites

Item	Status
Migration Step 1	Completed
Liquid Data 1.0 Server	Not running
Liquid Data 8.1 Server	Not running

Actions Required

Perform the following steps to migrate your Liquid Data repository:

1. Make sure no instance of the WebLogic Platform or Liquid Data is running.

Copy the Liquid Data 1.0 repository directory structure to the new repository location.

You can use the Administration Console to determine the name and location of your 1.0 Liquid Data repository. For details see [Configuring Liquid Data Server Settings](#) in the *Administration Guide*.

Using the example directory structure you would copy:

`/opt/prod/bea_70SP2/user_domains/ld_domain/ld_repository`

to the directory:

```
/opt/prod/bea_81/user_domains/ld_domain
```

2. Start the Liquid Data 8.1 server in <WL_HOME_81>.
3. Open the Administration Console.
4. Set the Liquid Data repository location to the newly copied repository directory. For details see discussions in the Liquid Data *Administration Guide* on [Configuring Liquid Data Server Settings](#) and [Managing the Liquid Data Server Repository](#).

Step 3: Re-create JDBC Connections and JDBC Data Sources

This section describes prerequisites and provides links to instructions for recreating Liquid Data 1.0 JDBC connections and data sources under Liquid Data 8.1.

Prerequisites

Item	Status
Migration Steps 1 and 2	Completed
Liquid Data 1.0 Server	Not running
Liquid Data 8.1 Server	Running

Actions Required

To migrate your Liquid Data JDBC connectivity to relational databases, first determine the directory location of the 1.0 Liquid Data domain you are migrating from, as follows:

1. Click the Home icon at the upper-right of the WebLogic Server 7.0 SP2 Administration Console.
2. Under Domain Configuration, click Domains.
3. Note the appropriate Liquid Data domain. The `config.xml` file for a particular domain is in a directory of the same name. For example the <WL_HOME_70SP2> `config.xml` file would be found in the following directory:

```
/opt/prod/bea_70SP2/user_domains/ld_domain/config/ld_domain
```

4. Inspect `config.xml` for your JDBC configuration information.
5. Start WebLogic Server 8.1 and Liquid Data 8.1.

6. Recreate the JDBC connections and JDBC data sources in the new Liquid Data 8.1 domain.

For detailed information on managing JDBC data sources and connections, see [Managing JDBC Connectivity](#) in the WebLogic Server *Administration Guide* and [Migrating Domains Using the Configuration Wizard](#) in the WebLogic Platform *Release Notes: 7.0 Service Pack 2*.

Step 4: Migrate Liquid Data-related Project Files, Applications, Custom Functions, and Web Services Not Generated by Liquid Data

This section describes prerequisites and provides specific instructions for moving Liquid Data-related project files, applications, custom functions, and web services *not* generated by Liquid Data from Liquid Data 1.0 to 8.1.

Prerequisites

Item	Status
Migration Steps 1-3	Completed
Liquid Data 1.0 Server	Not running
Liquid Data 8.1 Server	Running

Actions Required

Move and deploy any Liquid Data 1.0-related project files, applications, custom functions, and web services not in the repository.

1. In Liquid Data 1.0, locate the files you want to move to Liquid Data 8.1
2. Copy the files to the same relative location in Liquid Data 8.1
3. For custom functions only, recompile any custom functions under JDK 1.41. For details, see [Using Custom Functions](#).
4. Use the deployments node of the Liquid Data Administration Console to (re)deploy applications, EJBs, web applications, web services, connectors, and so forth.

For additional information on such migrations see discussions in the Liquid Data *Administration Guide* on:

- [Configuring Access to Web Services](#)
- [Configuring Access to Custom Functions](#)
- [Configuring Access to Application Views](#)

Step 5: Migrating Existing Liquid Data-generated Web Services

This section describes prerequisites and provides specific instructions for migrating Liquid Data-generated web services from Liquid Data 1.0 to 8.1

Prerequisites

Item	Status
Migration Steps 1-4	Completed
Liquid Data 1.0 Server	Not running
Liquid Data 8.1 Server	Running

Note: The `LDWSMigrate` script will function properly only if the referenced data sources are properly configured in WebLogic Server 8.1. See [Step 3: Re-create JDBC Connections and JDBC Data Sources](#) for details.

Actions Required

Use the `LDWSMigrate` script to convert Liquid Data 1.0 Liquid Data-generated web services to 8.1-level. The script is installed to the following location:

```
/opt/prod/bea_81/user_domains/ld_domain/migration/LDWSMigrate
```

where `<LD_DOMAIN>` is the root location of your newly installed version of Liquid Data.

Syntax

```
LDWSMigrate <inputDirectory> [ <outputDirectory> ]
```

Description

The `LDWSMigrate` script generates appropriate XML namespace declarations for Liquid Data generated web services during the conversion process.

The `LDWSMigrate` script requires two parameters.

<inputDirectory>

This parameter specifies the full path to the directory containing the web services `ear` files generated using Liquid Data 1.0.

In the case of the sample migration described in this document, the 1.0-level Liquid Data-generated Web queries are located in the following directory:

```
/opt/prod/bea_70SP2/user_domains/ld_domain/ld_repository/web_services_gen
```

[*<outputDirectory>*]

This parameter specifies the target path for the converted `ear` files.

In the case of the sample migration described in this document, the 1.0-level web services `ear` files will be integrated to the following directory:

```
/opt/prod/bea_81/user_domains/ld_domain/ld_repository/web_services_gen/scratch
```

If an `outputDirectory` parameter is not supplied, the converted files with a prefix of `new_` are placed in a newly-created directory called `scratch` under `web_services_gen`:

```
/opt/prod/bea_70SP2/user_domains/ld_domain/ld_repository/web_services_gen/scratch
```

Example

```
LDWSMigrate  
c:/opt/prod/bea_70SP2/user_domains/ld_domain/ldrepository/web_services_gen  
c:/opt/prod/bea_81/user_domains/ld_domain/ldrepository/web_services_gen
```

The respective domain of each Liquid Data installation is represented by `<LD_DOMAIN>`.

Step 6: Import Liquid Data 1.0 Data Sources

This section describes prerequisites and provides specific instructions for importing Liquid Data 1.0 data sources into Liquid Data 8.1.

Prerequisites

Item	Status
Migration Steps 1-5	Completed
Liquid Data 1.0 Server	Not running
Liquid Data 8.1 Server	Running

Actions Required

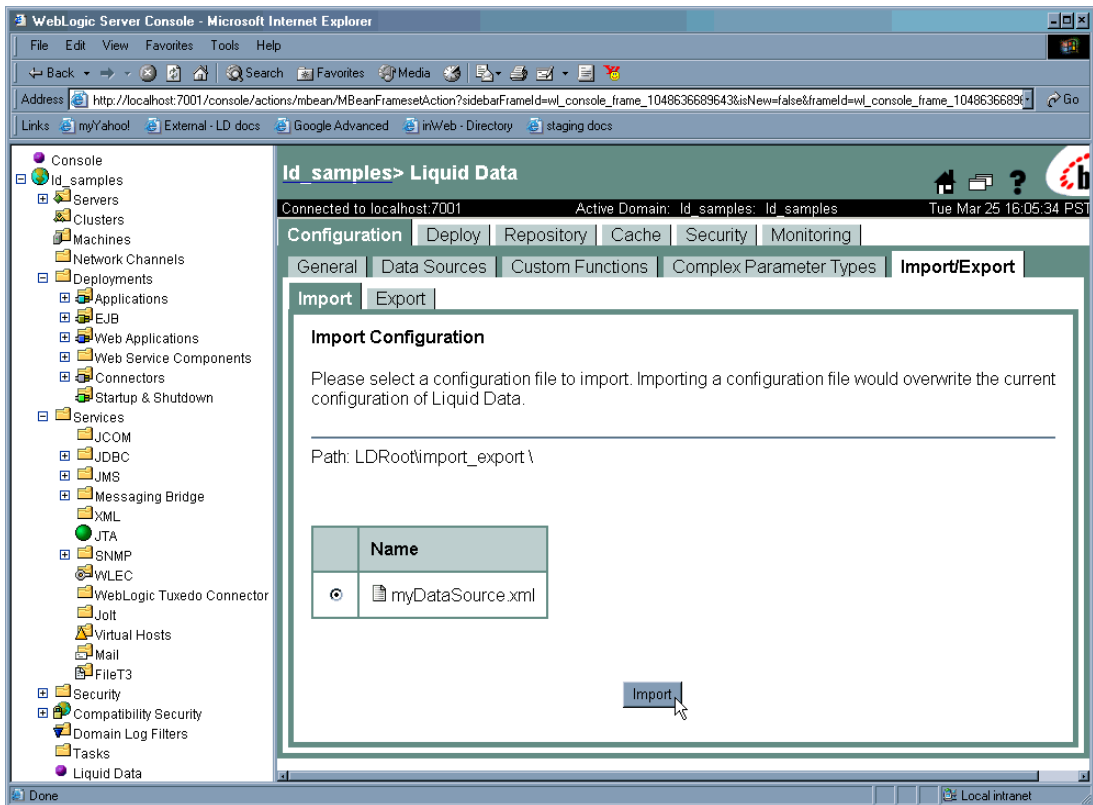
If you have followed instructions in [Step 2: Copy the 1.0 Liquid Data Repository to 8.1](#), your 8.1 data source file `myDataSource.xml` is available under `<WL_HOME_81>` in the following location:

```
/opt/prod/bea_81/user_domains/ld_domain/ld_repository/import_export
```

To import the Liquid Data data sources follow the procedure described in the *Liquid Data 1.0 Administration Guide*:

```
http://edocs.bea.com/liquiddata/docs10/admin/impexp.html#1044952
```

Figure 3-1 Importing a Data Source Through the Administration Console



Step 7: Migrate 1.0 Stored Queries and Data Views

This section describes prerequisites and provides specific instructions for migrating Liquid Data 1.0 stored queries and dataviews to Liquid Data 8.1.

Prerequisites

Item	Status
Migration Steps 1-6	Completed
Liquid Data 1.0 Server	Not running
Liquid Data 8.1 Server	Running

Notes:

- The `QueryMigrate` script will function properly only if the referenced data sources are properly configured in WebLogic Server 8.1. See [Step 3: Re-create JDBC Connections and JDBC Data Sources](#) for details.
- Some Liquid Data 1.0 queries cannot be automatically migrated to 8.1. Specifically, if you have queries that are built on top of data views starting with a numeric first character, you first need to:
 - Rename and save the referenced data view.
 - Resave the query after making sure that it runs correctly.

Actions Required

Convert Liquid Data 1.0 stored queries and data views to 8.1-level using the `queryMigrate` script. The script is installed to the following location:

```
/opt/prod/bea_81/user_domains/ld_domain/migration/queryMigrate
where ld_domain is the location of your newly installed Liquid Data 8.1 domain.
```

Syntax

```
queryMigrate <admin_url> <inputDirectory> [ <outputDirectory> ]
```

Description

The `queryMigrate` script generates appropriate XML namespace declarations for stored queries and data views during the conversion process. For additional information see [Understanding XML Namespaces](#) in Building Queries and Dataviews.

The `queryMigrate` script requires three parameters, described below.

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<admin_url>

This parameter specifies the administration URL of the 8.1 Liquid Data Server. For example:

```
t3://localhost:7001
```

<inputDirectory>

This parameter specifies the location of stored queries or data views to be converted.

For the sample migration described in this document, the 1.0-level stored queries are in the following directory:

```
/opt/prod/bea_70SP2/user_domains/ld_domain/ld_repository/stored_queries  
and 1.0-level data views are in the following directory:
```

```
/opt/prod/bea_70SP2/user_domains/ld_domain/ld_repository/data_views
```

[<outputDirectory>]

This optional parameter specifies the target location of the converted stored queries or data views.

For the sample migration described in this document, the 8.1-level stored queries will be located in the following directory:

```
/opt/prod/bea_81/user_domains/ld_domain/ld_repository/stored_queries  
and the 1.0-level data views will be located in the following directory:
```

```
/opt/prod/bea_81/user_domains/ld_domain/ld_repository/data_views
```

Examples

```
queryMigrate t3://localhost:7001  
c:/opt/prod/bea_70SP2/user_domains/ld_domain/ldrepository/stored_queries  
c:/opt/prod/bea_81/user_domains/ld_domain/ldrepository/stored_queries
```

```
queryMigrate t3://localhost:7001  
c:/opt/prod/bea_70SP2/user_domains/ld_domain/ldrepository/data_views  
c:/opt/prod/bea_81/user_domains/ld_domain/ldrepository/data_views
```

The respective domain of each Liquid Data installation is represented by `ld_domain`.

If no output directory is provided, the `inputDirectory` location is used and the prefix `new_` is prepended to the name of the generated file.

Step 8: Test Your Migration Under Liquid Data 8.1

This section describes how to test the migration from Liquid Data 1.0 to Liquid Data 8.1 by verifying that your 1.0 metadata is available under Liquid Data 8.1.

- Using the Liquid Data node of the WebLogic Administration Console and the Data View Builder, make sure that the appropriate data sources are available to Liquid Data 8.1.
- Test your projects. Liquid Data 1.0 project files can be opened directly with Liquid Data 8.1 and will be converted to support Liquid Data 8.1 automatically when they are saved. If you created project files in the Liquid Data 1.0 directory structure, you may want to move these projects to the Liquid Data 8.1 area, but there is no requirement that you do so.
- Test your stored queries. You can do this using either an EJB API or the Data View Builder.
 - **EJB API.** See [Invoking Queries in EJB Clients](#) in the *Application Developer's Guide*.
 - **Data View Builder.** You can load a stored query using the Data View Builder File -> Open Query command. (You may need to navigate to the directory containing your stored queries.)

Once your query has been loaded, you can run it. See [Testing Queries](#) in *Building Queries and Data Views*.

When you are sure your migration from Liquid Data 1.0 to 8.1 has been successful, you are ready to start using Liquid Data 8.1. It is suggested that you retain your Liquid Data 1.0 installation for a reasonable time and then archive it for safekeeping.

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