

global-roam  
ez2view Australia  
Installation and Upgrade Manual  
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## Introduction and Prerequisites

### ez2view Australia

ez2viewAustralia is a desktop application that provides a viewing platform for NEM data obtained from a number of sources (for example, it can be used to view the InfoServer data obtained directly from the AEMO, as well as TNSP data supplied by global-roam through the ez2updateAustralia application).

This manual describes how to install ez2view Australia as either an upgrade to a previous version of ez2view Australia, or as a clean installation.

This manual applies to ez2viewAustralia version 4.1.161 or later.

### What you will need

The tasks involved in this deployment include such things as installation and configuration of a database and configuration of proxy settings.

To successfully install or upgrade ez2view Australia you will need:

- Intermediate IT skills.
- Basic knowledge of Microsoft SQL Server or Oracle.
- Your GR-ID and password.
- Access to a user account with administrative permissions.
- Knowledge of any proxy settings or other internet security processes in place in your organization.
- Access to the internet.

For each of the global-roam products that you install or upgrade, you will need to go through the following steps:

1. Installation of the software
2. Configuration of Proxy settings
3. Activation of your software license
4. Configuring a connection to the database
5. Install databases and tables (if necessary)

## Supported Platforms and System Requirements

### Operating Systems

ez2view Australia is officially supported on the following platforms:

- Windows XP SP3
- Windows Vista (32 bit and 64 bit)
- Windows 7 (32 bit and 64 bit)
- Windows Server 2008

ez2view Australia may work on other Windows platforms – please let us know how you get on...

### Database

Full licenses of ez2view Australia connect to either SQL Server or Oracle in order to obtain data. The following database versions are officially supported:

- Microsoft SQL Server 2005
- Microsoft SQL Server 2008
- Microsoft SQL Server 2008 R2
- Microsoft SQL Server 2008 R2 Express
- Oracle 10g (requires 32-bit Oracle Client, not included in install)
- Oracle 11g (requires 32-bit Oracle Client, not included in install)

ez2view Australia may work when connected to other versions of SQL Server or Oracle, and again, please let us know how you get on.

Trial versions of ez2view do not require a local database.

### .NET Framework

ez2view requires the .NET Framework 4.0 Full Profile. If you do not have this installed, and you install using the .EXE file, it will install it for you. This may take some time.

If you use the .MSI file to install, you must have the .NET Framework 4.0 Full Profile installed beforehand, or the .MSI will simply fail with an error message.

### File System Access

ez2view Australia may create and write to a number of folders under the following locations:

- For Windows XP:  
Documents and Settings/All Users/Application Data/global-rom
- For Vista and Windows 7:  
ProgramData/global-rom

## Hardware Requirements

ez2view requires the following hardware:

- *Processor* : Pentium III-compatible processor or faster; 2.0 GHz or faster.
- *Disk Space*: 400 MB free disk space. This assumes that the .NET prerequisites are already installed on the target machine.
- *Memory*: 4 GB RAM or more (recommended 6 GB)

## Network Requirements

ez2view requires access to the Internet for HTTP and XML over HTTP (SOAP).

Full licensed copies of ez2view Australia require access to the following URL's using HTTP and XML over HTTP (SOAP):

- [www.global-roam.com](http://www.global-roam.com)
- [global-roam.webcentral.com.au](http://global-roam.webcentral.com.au)

For a Trial license, you will also need HTTP and XML over HTTP (SOAP) access to an additional URL which is

- [webdb.ez2view.info](http://webdb.ez2view.info)

## Access to Data

For Trial licenses of ez2view, access to AEMO and some TNSP data is provided to you via a web database hosted by global-roam. Getting started with a Trial license is as simple as installing the ez2view application on a PC that has appropriate network access (see above).

For Full licensed copies of ez2view you will need to gain access to the AEMO data either by

- connecting ez2view to your own existing AEMO InfoServer database (MMS Version 4.17 or higher) or
- connecting ez2view to a database that has been populated by global-roam's ez2update data feed.

If you license TNSP data from us you will need to obtain this data via our ez2update data feed.

These instructions assume that you have access to a populated database.

More information about ez2update can be found on the ez2view website at

<http://www.ez2view.info>

## InfoServer Tables

If you are connecting directly to your own InfoServer installation, then you will need to run ez2view under a user account that has read access to the following database tables:

BIDDUIDDETAILS	MTPASA_REGIONSOLUTION
BIDTYPES	MTPASA_REGIONAVAILABILITY
DISPATCH_UNIT_SCADA	P5MIN_CONSTRAINTSOLUTION
DISPATCHABLEUNIT	P5MIN_INTERCONNECTORSOLN
DISPATCHCASESOLUTION	P5MIN_REGIONSOLUTION
DISPATCHCONSTRAINT	PARTICIPANT
DISPATCHINTERCONNECTORRES	PARTICIPANTCATEGORY
DISPATCHPRICE	PARTICIPANTCATEGORYALLOC
DISPATCHREGIONSUM	PARTICIPANTCLASS
DUDETAIL	PREDISPATCHCONSTRAINT
DUDETAILSUMMARY	PREDISPATCHINTERCONNECTORRES
EMSMMASTER	PREDISPATCHPRICE
GENCONDATA	PREDISPATCHPRICESENSITIVITIES
GENCONSET	PREDISPATCHREGIONSUM
GENCONSETINVOKE	PREDISPATCHSCENARIODEMAND
GENCONSETTRK	REGION
GENERICCONSTRAINTRHS	REGIONSTANDINGDATA
GENERIC EQUATIONDESC	SPDCONNECTIONPOINTCONSTRAINT
GENERIC EQUATIONRHS	SPDINTERCONNECTORCONSTRAINT
GENUNITS	SPDREGIONCONSTRAINT
INTERCONNECTOR	STADUALLOC
INTERCONNECTORCONSTRAINT	STATION
LOSSFACTORMODEL	STATIONOPERATINGSTATUS
LOSSMODEL	STATIONOWNER
MARKET_PRICE_THRESHOLDS	STPASA_CONSTRAINTSOLUTION
MARKETNOTICEDATA	STPASA_INTERCONNECTORSOLN
MCC_CONSTRAINTSOLUTION	STPASA_REGIONSOLUTION
MNSP_INTERCONNECTOR	TRADINGINTERCONNECT
MNSP_PARTICIPANT	TRADINGPRICE
MTPASA_CONSTRAINTSOLUTION	TRADINGREGIONSUM
MTPASA_INTERCONNECTORSOLUTION	TRANSMISSIONLOSSFACTOR

## Schema Differences

ez2view is designed to use a database schema that has a few subtle differences from the standard MMS model. These differences primarily relate to how much predispatch data is retained for the purposes of comparison between predispatch runs. The differences are outlined in the following table:

Table Name	Default MMS Model primary key	ez2view primary key
PREDISPATCHCONSTRAINT	CONSTRAINTID, DATETIME	PREDISPATCHSEQNO, RUNNO, CONSTRAINTID, PERIODID, INTERVENTION
PREDISPATCHINTERCONNECTORRES	INTERCONNECTORID, DATETIME	PREDISPATCHSEQNO, RUNNO, INTERCONNECTORID, PERIODID, INTERVENTION
PREDISPATCHPRICE	REGIONID, DATETIME	PREDISPATCHSEQNO, RUNNO, REGIONID, PERIODID, INTERVENTION
PREDISPATCHPRICESENSITIVITIES	REGIONID, DATETIME	PREDISPATCHSEQNO, RUNNO, REGIONID, PERIODID, INTERVENTION
PREDISPATCHREGIONSUM	REGIONID, DATETIME	PREDISPATCHSEQNO, RUNNO, REGIONID, PERIODID, INTERVENTION

The change in primary key will have an impact on space requirements for the database. Each of the predispatch tables altered will grow by a factor of approximately 48 compared to the default schema.

Table Name	Default MMS volume	ez2view volume
PREDISPATCHCONSTRAINT	20000 rows / day	1000000 rows / day
PREDISPATCHINTERCONNECTORRES	288 rows / day	14000 rows / day
PREDISPATCHPRICE	240 rows / day	12000 rows / day
PREDISPATCHPRICESENSITIVITIES	240 rows / day	12000 rows / day
PREDISPATCHREGIONSUM	240 rows / day	12000 rows / day

## Contacting Global-Roam

If you experience difficulties in installing or upgrading ez2view Australia, please feel free to contact us at:

e-mail: [support@global-roam.com](mailto:support@global-roam.com)

phone: +61 7 3368 4064

## Installing ez2view for the First Time

Regardless of whether you are installing a Trial or a Full Version, you are following this path because you have not installed ez2view Australia before.

### Installing ez2view Australia

If you are installing a Full Version you will need the details for connecting to the database backend you will be using (Oracle or SQL Server). For installation of Trial versions you will not need this information.

ez2view Australia is a desktop application, and can be installed on whatever machine you like.

### Installation

Download the install file for ez2view Australia from the download section of the ez2view Australia web site (go to <http://www.ez2view.info/australia/> and follow the links to the Download page).

If you are using Windows XP or below, simply double click the install file, and then follow the prompts until it has completed.

If you are using Windows Vista or above, right-click the install file and choose the “Run As Administrator” option, then follow the prompts until the installation has completed.

If you do not already have the .NET Framework 4.0 Full Profile installed, the installer will install it. This may take some time.

### Configuration

Double-click on the ez2view Australia shortcut on the desktop and ez2view will prompt for all the required configuration parameters.

### Proxy Setup

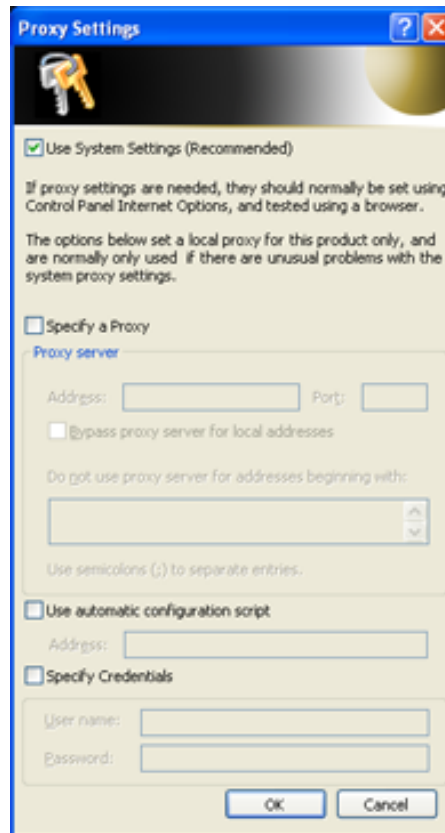
ez2view Australia requires access to the following websites using HTTP and XML over HTTP (SOAP):

- [www.global-roam.com](http://www.global-roam.com)
- [global-roam.webcentral.com.au](http://global-roam.webcentral.com.au)

For a Trial license, you will also need HTTP and XML over HTTP access to an additional URL which is

- [webdb.ez2view.info](http://webdb.ez2view.info)

If ez2view Australia has experienced a problem with connecting to any of the websites above during startup, it will display the Proxy Settings screen. It looks like this:



If you do not use a proxy to access the internet, simply click OK.

If you do use a proxy, then we suggest that you maintain your proxy information in your system settings. If you make sure the [Use System Settings] option is checked on the Proxy Settings screen, then your system settings should automatically be detected and used in ez2view Australia.

If you have difficulties with ez2view Australia with regards to internet access, you may need to manually specify your proxy settings and credentials. This can be done on the Proxy Settings screen.

NOTE: The Proxy Settings screen is also available from inside the application at [Tools -> Internet Settings].

### *License Activation*

On first startup, ez2view Australia will display a screen saying that “This machine does not have a license for ez2view Australia”.

Simply follow the instructions on the screen to configure a license for ez2view Australia (it mostly involves entering information/selecting options and clicking next).

If you are trialing, on Step 3 of the licensing process (Select License), you should choose Option 2 (Request and Activate a new Trial), which will get you a brand new trial license.

If you do not have any licenses to select on Step 3, and you believe that you should have a full commercial license, then you will need to go to <http://www.global-roam.com/secure> to manage your licenses before you can go any further. After you login to the website, click on My Licenses (top-right corner). On this page you can manage your licenses. If you didn't have a license available in Step 3, you may need to deactivate one of your existing licenses to free it up for use.

You cannot start ez2view Australia without a valid license.

If you are installing a Trial license of ez2view, then ez2view should now open and connect to the global-roam hosted web database. If this is successful then your installation is now complete. Congratulations!

If you are installing a Full license then you will now need to configure ez2view to communicate with your database. The following instructions guide you through this process.

## Database Setup

On first startup, ez2view Australia will display a screen called “Data Source Setup”. This screen is the database settings screen. It will allow you to point ez2view Australia at the database that it needs to read from. On first startup, it will look something like this:

Data Source Setup

... delivering Clarity, Convenience and Cost Effectiveness through information systems that make the electricity market understandable.

**GLOBAL-ROAM** **DataAccessManager Settings**

Welcome to the database setup for ez2view Australia. You can use this form to show ez2view Australia how to locate the sources of data that it will need to run successfully.

If this is the first time you have seen this screen, you will need to setup each of the data sources below with valid settings. You can do this by clicking on the data source, and then clicking on the Configure button. You can use the form that pops up to setup the settings for the data source you selected.

You can also choose to mark a data source as IGNORED. Keep in mind, that this will prevent that data source from working at all.

Electranet Database Connection	Error
Powerlink Database Connection	Error
SPAusNet Database Connection	Error
TransGrid Database Connection	Error
NEMMCO Database Connection	Error
Ez2 Database Connection	Error

Configure Selected Ignore Selected

Export Settings to File Import Settings from File

Done Ignore Cancel

In order for ez2view Australia to work correctly, you will need to configure each of the database connections listed on the left hand side of the screen to either

- a) A valid database containing the specified dataset, or
- b) Ignored (if you do not have access to the dataset)

Please continue reading.

## Configuring the NEM Data Database Connection

This connection is the location where ez2view Australia loads all of the AEMO data that it displays.

If you do not have access to NEM Data data, use the Ignore Selected button to ignore this connection, and skip this section.

To configure the NEM Data Database Connection, from the database settings screen

- Select the NEM Data Database Connection
- Click the Configure Selected button.

On the next screen, select either NEMData\_MSSQL, or NEMData\_ORACLE in the drop-down box at the top, and click the New button.

Name	Connection String	Status

If you are using SQL Server, go to [SQL Server Specific](#), on page 14.

If you are using Oracle, go to [Oracle Specific](#), on page 15.

### SQL Server Specific

Fill the next screen in with information about how to connect to the database where you want to read NEM Data from.

The screenshot shows the 'Create MSSQL Connection String' dialog box. It includes fields for 'Connection Name', 'Server', 'Authentication' (with radio buttons for 'Use Windows Integrated Security' and 'Use a Specific Username and Password'), 'Username', 'Password', and 'Database on Server'. There are also buttons for 'Install Server', 'Install Database', 'Test Connection', 'OK', and 'Cancel'.

Note:

If you cannot find your SQL Server in the server drop down box, you can simply type in the name of the machine that it is on, followed by a “\” character, followed by the instance name. e.g. MACHINE\_NAME\INSTANCE\_NAME.

Once you have filled out the name, server and authentication, use the “Database on Server” drop down box to select the database where the AEMO data is stored.

Go to [Configuring the Transgrid Database Connection](#), on page 16.

### Oracle Specific

Fill the next screen in with information about how to connect to the Oracle database where you want to read NEM Data from.

The screenshot shows a Windows-style dialog box titled "Create Oracle Connection String". It features a "Connection Wizard" tab with "Advanced" selected. The fields are as follows:

- Connection Name: CONNECTION NAME
- Server: MACHINE\_NAME/SID
- Authentication: USERNAME (Username), \*\*\*\*\* (Password)

Buttons include "Install Database", "Test Connection", "OK", and "Cancel".

Once you have filled out the name, server and authentication, click on the “Test Connection” button. It should display a message saying everything is okay.

If you instead get an error saying that a set of required tables are missing, that’s bad. Make sure that the username you entered has direct access to the tables listed. If the tables need to be accessed by typing the name as [Namespace].[TableName], then ez2view Australia will not be able to access the tables, they need to be accessed purely by the [TableName]. See your Oracle administrator about setting up synonyms for the necessary tables.

Go to [Configuring the Transgrid Database Connection](#), on page 16.

## Configuring the Transgrid Database Connection

This connection is the location where ez2view Australia loads all of the Transgrid data that it displays.

If you do not have access to Transgrid data, use the Ignore Selected button to ignore this connection, and skip this section.

To configure the Transgrid Data Database Connection, from the database settings screen

- Select the Transgrid Data Database Connection
- Click the Configure Selected button.

On the next screen, select either Transgrid\_MSSQL, or Transgrid\_ORACLE in the drop-down box at the top, and click the New button.

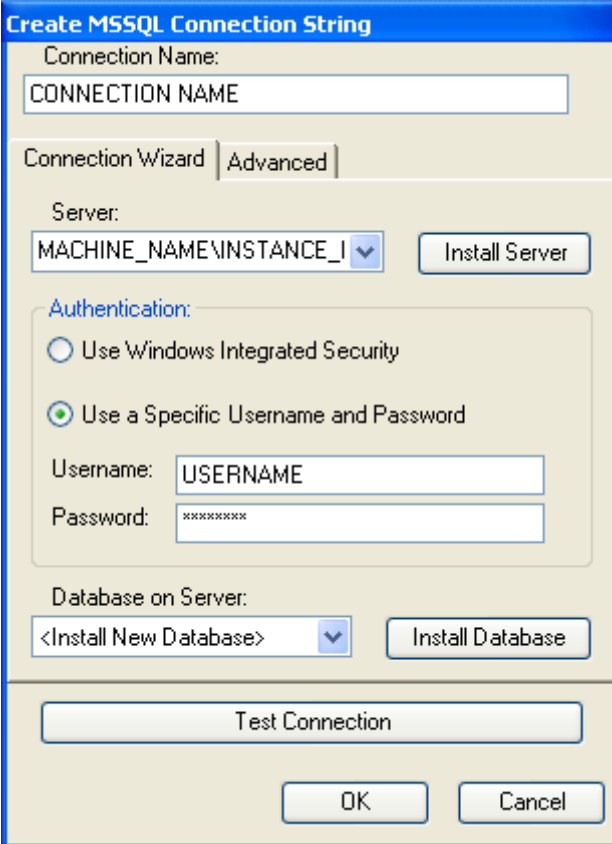
Name	Connection String	Status

If you are using SQL Server, go to [SQL Server Specific](#), on page 17.

If you are using Oracle, go to [Oracle Specific](#), on page 18

### SQL Server Specific

Fill the next screen in with information about how to connect to the database where you want to read the Transgrid data from.



The screenshot shows the 'Create MSSQL Connection String' dialog box with the 'Advanced' tab selected. The 'Connection Name' field contains 'CONNECTION NAME'. The 'Server' dropdown menu is set to 'MACHINE\_NAME\INSTANCE\_I', with an 'Install Server' button next to it. Under the 'Authentication' section, 'Use a Specific Username and Password' is selected. The 'Username' field contains 'USERNAME' and the 'Password' field contains '\*\*\*\*\*'. The 'Database on Server' dropdown menu is set to '<Install New Database>', with an 'Install Database' button next to it. A 'Test Connection' button is located at the bottom of the dialog. 'OK' and 'Cancel' buttons are at the very bottom.

Note:

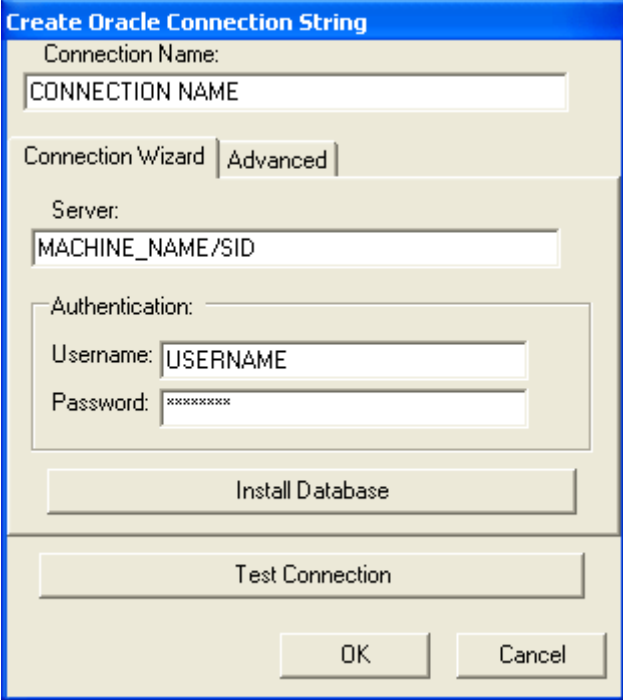
If you cannot find your SQL Server in the server drop down box, you can simply type in the name of the machine that it is on, followed by a “\” character, followed by the instance name. e.g. MACHINE\_NAME\INSTANCE\_NAME.

Once you have filled out the name, server and authentication, use the “Database on Server” drop down box to select the database where the Transgrid data is stored.

Go to [Configuring the SPAusNet Database Connection](#) on page 19.

### Oracle Specific

Fill the next screen in with information about how to connect to the Oracle database where you want to read the Transgrid data from.



The screenshot shows a dialog box titled "Create Oracle Connection String". It has a "Connection Wizard" tab with "Advanced" selected. The fields are: "Connection Name" (CONNECTION NAME), "Server" (MACHINE\_NAME/SID), "Authentication" (Username: USERNAME, Password: \*\*\*\*\*). There are buttons for "Install Database", "Test Connection", "OK", and "Cancel".

Once you have filled out the name, server and authentication, click on the “Test Connection” button. It should display a message saying everything is okay.

If you instead get an error saying that a set of required tables are missing, that’s bad. Make sure that the username you entered has direct access to the tables listed (i.e. if the tables need to be accessed by typing the name as [Namespace].[TableName] ez2view Australia will not be able to access the tables, they need to be accessed purely by the [TableName]. See your Oracle administrator about setting up synonyms for the necessary tables).

Go to [Configuring the SPAusNet Database Connection](#) on page 19.

## Configuring the SPAusNet Database Connection

This connection is the location where ez2view Australia loads all of the SPAusNet data that it displays.

If you do not have access to SPAusNet data, use the Ignore Selected button to ignore this connection, and skip this section.

To configure the SPAusNet Data Database Connection, from the database settings screen

- Select the SPAusNet Data Database Connection
- Click the Configure Selected button.

On the next screen, select either SPAusNet\_MSSQL, or SPAusNet\_ORACLE in the drop-down box at the top, and click the New button.

Name	Connection String	Status

If you are using SQL Server, go to [SQL Server Specific](#), on page 20.

If you are using Oracle, go to [Oracle Specific](#), on page 21.

### SQL Server Specific

Fill the next screen in with information about how to connect to the database where you want to read the SPAusNet data from.

The screenshot shows the 'Create MSSQL Connection String' dialog box. It includes a 'Connection Name' field with the text 'CONNECTION NAME'. Below this is a 'Connection Wizard' section with 'Advanced' selected. The 'Server' field contains 'MACHINE\_NAME\INSTANCE\_I' and has an 'Install Server' button. The 'Authentication' section has two radio buttons: 'Use Windows Integrated Security' (unselected) and 'Use a Specific Username and Password' (selected). Below are 'Username' (containing 'USERNAME') and 'Password' (containing '\*\*\*\*\*') fields. The 'Database on Server' field contains '<Install New Database>' and has an 'Install Database' button. At the bottom is a 'Test Connection' button, and 'OK' and 'Cancel' buttons are at the very bottom.

Note:

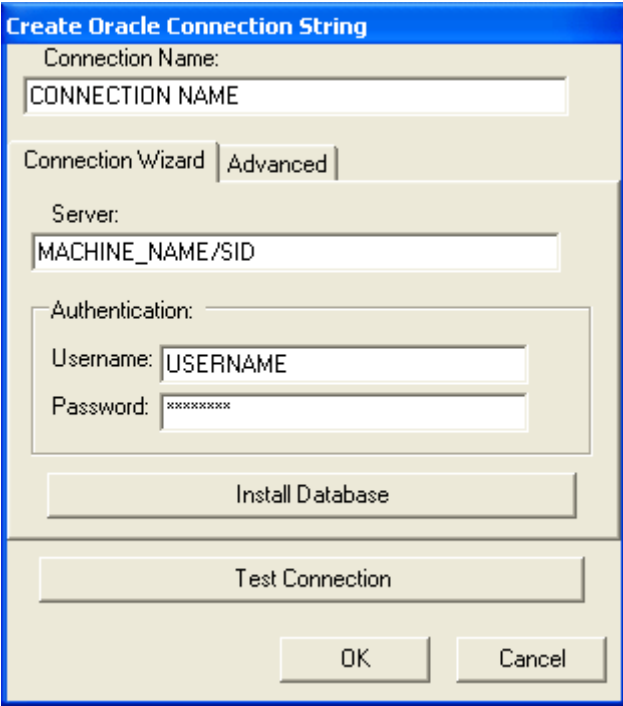
If you cannot find your SQL Server in the server drop down box, you can simply type in the name of the machine that it is on, followed by a “\” character, followed by the instance name. e.g. MACHINE\_NAME\INSTANCE\_NAME.

Once you have filled out the name, server and authentication, use the “Database on Server” drop down box to select the database where the SPAusNet data is stored.

Go to [Configuring the Electranet Database Connection](#), on page 22.

### Oracle Specific

Fill the next screen in with information about how to connect to the Oracle database where you want to read the SPAusNet data from.



The screenshot shows a Windows-style dialog box titled "Create Oracle Connection String". It features a "Connection Wizard" tab with "Advanced" selected. The fields are as follows:

- Connection Name: CONNECTION NAME
- Server: MACHINE\_NAME/SID
- Authentication:
  - Username: USERNAME
  - Password: \*\*\*\*\*

Buttons include "Install Database", "Test Connection", "OK", and "Cancel".

Once you have filled out the name, server and authentication, click on the “Test Connection” button. It should display a message saying everything is okay.

If you instead get an error saying that a set of required tables are missing, that’s bad. Make sure that the username you entered has direct access to the tables listed (i.e. if the tables need to be accessed by typing the name as [Namespace].[TableName] ez2view Australia will not be able to access the tables, they need to be accessed purely by the [TableName]. See your Oracle administrator about setting up synonyms for the necessary tables).

Go to [Configuring the Electranet Database Connection](#), on page 22.

## Configuring the Electranet Database Connection

This connection is the location where ez2view Australia loads all of the Electranet data that it displays.

If you do not have access to Electranet data, use the Ignore Selected button to ignore this connection, and skip this section.

To configure the Electranet Data Database Connection, from the database settings screen

- Select the Electranet Data Database Connection
- Click the Configure Selected button.

On the next screen, select either Electranet\_MSSQL, or Electranet\_ORACLE in the drop-down box at the top, and click the New button.

The screenshot shows a window titled "Electranet Database Connection Settings". At the top, there is a dropdown menu labeled "Select Database Type:" with "ELECTRANET\_MSSQL" selected. Below this is a section labeled "Connection Strings (in order of preference):" containing a table with three columns: "Name", "Connection String", and "Status". The table is currently empty. To the right of the table are two buttons labeled "U" and "D". At the bottom of the window are several buttons: "New", "Modify", "Delete", "Set Active", "OK", and "Cancel".

If you are using SQL Server, go to [SQL Server Specific](#), on page 23.

If you are using Oracle, go to [Oracle Specific](#), on page 24.

### SQL Server Specific

Fill the next screen in with information about how to connect to the database where you want to read the Electranet data from.

The screenshot shows the 'Create MSSQL Connection String' dialog box. It includes fields for 'Connection Name', 'Server', 'Authentication' (with radio buttons for 'Use Windows Integrated Security' and 'Use a Specific Username and Password'), 'Username', 'Password', and 'Database on Server'. There are also buttons for 'Install Server', 'Install Database', 'Test Connection', 'OK', and 'Cancel'.

Note:

If you cannot find your SQL Server in the server drop down box, you can simply type in the name of the machine that it is on, followed by a “\” character, followed by the instance name. e.g. MACHINE\_NAME\INSTANCE\_NAME.

Once you have filled out the name, server and authentication, use the “Database on Server” drop down box to select the database where the Electranet data is stored.

Go to [Configuring the Powerlink Database Connection](#), on page 25.

### Oracle Specific

Fill the next screen in with information about how to connect to the Oracle database where you want to read the Electranet data from.

The screenshot shows a dialog box titled "Create Oracle Connection String". It has a "Connection Wizard" tab with "Advanced" selected. The fields are: "Connection Name" (CONNECTION NAME), "Server" (MACHINE\_NAME/SID), "Authentication" (Username: USERNAME, Password: \*\*\*\*\*). There are buttons for "Install Database", "Test Connection", "OK", and "Cancel".

Once you have filled out the name, server and authentication, click on the “Test Connection” button. It should display a message saying everything is okay.

If you instead get an error saying that a set of required tables are missing, that’s bad. Make sure that the username you entered has direct access to the tables listed (i.e. if the tables need to be accessed by typing the name as [Namespace].[TableName] ez2view Australia will not be able to access the tables, they need to be accessed purely by the [TableName]. See your Oracle administrator about setting up synonyms for the necessary tables).

Go to [Configuring the Powerlink Database Connection](#), on page 25.

## Configuring the Powerlink Database Connection

This connection is the location where ez2view Australia loads all of the Powerlink data that it displays.

If you do not have access to Powerlink data, use the Ignore Selected button to ignore this connection, and skip this section.

To configure the Powerlink Data Database Connection, from the database settings screen

- Select the Powerlink Data Database Connection
- Click the Configure Selected button.

On the next screen, select either Powerlink\_MSSQL, or Powerlink\_ORACLE in the drop-down box at the top, and click the New button.

Name	Connection String	Status

If you are using SQL Server, go to [SQL Server Specific](#), on page 26.

If you are using Oracle, go to [Oracle Specific](#), on page 27.

### SQL Server Specific

Fill the next screen in with information about how to connect to the database where you want to read the Powerlink data from.

The screenshot shows the 'Create MSSQL Connection String' dialog box in the 'Advanced' tab. The 'Connection Name' field contains 'CONNECTION NAME'. The 'Server' dropdown is set to 'MACHINE\_NAME\INSTANCE\_I', with an 'Install Server' button next to it. Under 'Authentication', 'Use a Specific Username and Password' is selected. The 'Username' field contains 'USERNAME' and the 'Password' field contains '\*\*\*\*\*'. The 'Database on Server' dropdown is set to '<Install New Database>', with an 'Install Database' button next to it. A 'Test Connection' button is located below the database selection. At the bottom are 'OK' and 'Cancel' buttons.

Note:

If you cannot find your SQL Server in the server drop down box, you can simply type in the name of the machine that it is on, followed by a “\” character, followed by the instance name. e.g. MACHINE\_NAME\INSTANCE\_NAME.

Once you have filled out the name, server and authentication, use the “Database on Server” drop down box to select the database where the Powerlink data is stored.

Go to [Configuring the ez2 Database Connection](#) Done with Database Setup, on page 28.

### Oracle Specific

Fill the next screen in with information about how to connect to the Oracle database where you want to install the Powerlink Tables.

The screenshot shows a dialog box titled "Create Oracle Connection String". It has a blue title bar and a light beige background. The dialog contains the following fields and buttons:

- Connection Name:** A text box containing "CONNECTION NAME".
- Connection Wizard | Advanced:** Two tabs, with "Advanced" selected.
- Server:** A text box containing "MACHINE\_NAME/SID".
- Authentication:** A section containing:
  - Username:** A text box containing "USERNAME".
  - Password:** A text box containing "\*\*\*\*\*".
- Buttons:** "Install Database", "Test Connection", "OK", and "Cancel".

Once you have filled out the name, server and authentication, click on the “Test Connection” button. It should display a message saying everything is okay.

If you instead get an error saying that a set of required tables are missing, that’s bad. Make sure that the username you entered has direct access to the tables listed (i.e. if the tables need to be accessed by typing the name as [Namespace].[TableName] ez2view Australia will not be able to access the tables, they need to be accessed purely by the [TableName]. See your Oracle administrator about setting up synonyms for the necessary tables).

Go to [Configuring the ez2 Database Connection](#), on page 28.

## Configuring the ez2 Database Connection

This connection is the location where ez2view Australia saves data that it creates (for example, MITC records created using the MITC tab will be stored here).

If you do not plan on using the MITC plugin, then configure this connection anyway, as we will be storing important ez2view Australia settings here in the future.

To configure the ez2 Database Connection, from the database settings screen

- Select the ez2 Database Connection
- Click the Configure Selected button.

On the next screen, select either ez2\_MSSQL, or ez2\_ORACLE in the drop-down box at the top, and click the New button.

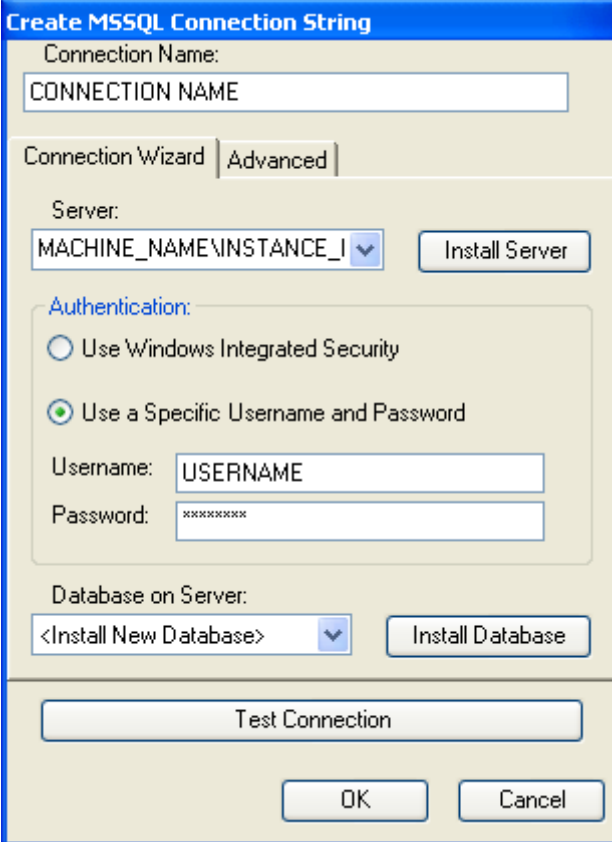
The screenshot shows a dialog box titled "Ez2 Database Connection Settings". At the top, there is a dropdown menu labeled "Select Database Type:" with "EZ2\_MSSQL" selected. Below this is a section titled "Connection Strings (in order of preference):" containing a table with three columns: "Name", "Connection String", and "Status". The table is currently empty. To the right of the table are two buttons: "U" (Update) and "D" (Delete). At the bottom of the dialog, there are buttons for "New", "Modify", "Delete", "Set Active", "OK", and "Cancel".

If you are using SQL Server, go to [SQL Server Specific](#) SQL Server Specific, on page 29.

If you are using Oracle, go to [Oracle Specific](#), on page 31.

### SQL Server Specific

Fill the next screen in with information about how to connect to the database where you want to read the ez2 data from.



The screenshot shows the 'Create MSSQL Connection String' dialog box with the 'Advanced' tab selected. The 'Connection Name' field contains 'CONNECTION NAME'. The 'Server' dropdown menu is set to 'MACHINE\_NAME\INSTANCE\_I', with an 'Install Server' button next to it. Under the 'Authentication' section, 'Use a Specific Username and Password' is selected. The 'Username' field contains 'USERNAME' and the 'Password' field contains '\*\*\*\*\*'. The 'Database on Server' dropdown menu is set to '<Install New Database>', with an 'Install Database' button next to it. A 'Test Connection' button is located at the bottom of the dialog. 'OK' and 'Cancel' buttons are at the very bottom.

Note:

If you cannot find your SQL Server in the server drop down box, you can simply type in the name of the machine that it is on, followed by a “\” character, followed by the instance name. e.g. MACHINE\_NAME\INSTANCE\_NAME.

Once you have filled out the name, server and authentication, it’s time to install the tables necessary for the data set you are configuring.

If you want to create a new database to hold the ez2 tables, go to [Creating a new SQL Server Database](#), on page 30. If you have have an existing database that you are happy to install the ez2 tables into, go to

Installing [the tables into an existing SQL Server Database](#), on page 30.

#### Creating a new SQL Server Database

Use the "Database on Server" drop down box to select the "<Install New Database>" option and then click on the "Install Database" button.

Enter the name for the database where you want to tables for the data set installed. If the default name is fine, simply click OK.

After the script has finished executing, you will be returned to the Create MSSQL Connection String screen. Click on the "Test Connection" button to verify that all is well, then click OK.

Go to the section [Done with Database Setup](#), on page 32.

#### Installing the tables into an existing SQL Server Database

Use the "Database on Server" drop down box to select the name of the database that you want to install the ez2 tables into and click on the "Install Tables" button.

After the script has finished executing, you will be returned to the Create MSSQL Connection String screen. Click on the "Test Connection" button to verify that all is well, then click OK.

Go to the section [Done with Database Setup](#), on page 32.

### Oracle Specific

Fill the next screen in with information about how to connect to the Oracle database where you want to install the ez2 Tables.

The screenshot shows a dialog box titled "Create Oracle Connection String". It has a blue header bar. Below the header, there are several input fields and buttons. The "Connection Name" field contains "CONNECTION NAME". The "Server" field contains "MACHINE\_NAME/SID". The "Username" field contains "USERNAME". The "Password" field contains "\*\*\*\*\*". There are two tabs: "Connection Wizard" and "Advanced", with "Advanced" selected. At the bottom, there are three buttons: "Install Database", "Test Connection", and "OK" and "Cancel".

Once you have filled out the name, server and authentication, click on the “Test Connection” button. It should display a message saying everything is okay.

If you instead get an error saying that a set of required tables are missing, that’s bad. Make sure that the username you entered has direct access to the tables listed (i.e. if the tables need to be accessed by typing the name as [Namespace].[TableName] ez2view Australia will not be able to access the tables, they need to be accessed purely by the [TableName]. See your Oracle administrator about setting up synonyms for the necessary tables).

Go to [Done with Database Setup](#), on page 32.

## Done with Database Setup

You should be back at the main database settings screen. It should now look something like this:

Data Source Setup

... delivering *Clarity, Convenience and Cost Effectiveness* through information systems that make the electricity market understandable.

### GLOBAL-ROAM

### DataAccessManager Settings

Welcome to the database setup for ez2view Australia. You can use this form to show ez2view Australia how to locate the sources of data that it will need to run successfully.

If this is the first time you have seen this screen, you will need to setup each of the data sources below with valid settings. You can do this by clicking on the data source, and then clicking on the Configure button. You can use the form that pops up to setup the settings for the data source you selected.

You can also choose to mark a data source as IGNORED. Keep in mind, that this will prevent that data source from working at all.

Electronet Database Connection	Valid
Powerlink Database Connection	Valid
SPAusNet Database Connection	Valid
TransGrid Database Connection	Valid
NEMMCO Database Connection	Valid
Ez2 Database Connection	Valid

Configure Selected    Ignore Selected

Export Settings to File    Import Settings from File

Done    Ignore    Cancel

Note that all the Database Connections say “Valid” next to them (this means it’s all set up and ready to go). If you do not have access to particular datasets, they should be marked as Ignored.

Click Done.

### Note:

If you need to change your database settings after setting them up initially, you can access the Data Source Setup screen from within the application by going to Tools -> Options, and going to Program -> Database using the navigation panel on the left hand side.

### Done with Installing ez2view Australia

At this point, your copy of ez2view is all configured and ready to go. In fact, after you dismissed the last configuration dialog, it should have already started doing things. Your copy of ez2view Australia should be displaying a range of data relating to the National Electricity Market.

If ez2view is not displaying data, or if you had some other problem, please contact us for help (see [Contacting Global-Roam](#), on page 8).

## Upgrading an Existing Installation

This section describes the steps for upgrading an existing installation of ez2view Australia. These instructions apply only to licensed versions of the software – not to trial versions.

### Upgrading ez2view Australia

#### Installation

Download the install file for ez2view Australia from the download section of the ez2view Australia web site (go to <http://www.ez2view.info/australia/> and follow the links to the Download page).

If you are using Windows XP or below, simply double click the install file, and then follow the prompts until it has completed.

If you are using Windows Vista or above, right-click the install file and choose the “Run As Administrator” option, then follow the prompts until the installation has completed.

If you do not already have the .NET Framework 4.0 Full Profile installed, the installer will install it. This may take some time.

#### Configuration

Because you upgraded from a previous version of ez2view Australia, no additional configuration should be necessary.

Please note: Please note: If you are upgrading from an earlier version of ez2view Australia to 4.1.221 or later, you will need to configure the ez2 Database Connection. For more information on how to do this, go to the section [Configuring the ez2 Database Connection](#) on page 28. You should not need to do any additional configuration.

Use the shortcut on the desktop (or in the Start Menu) to open ez2view Australia.

#### Done Upgrading an Existing Installation

At this point your copy of ez2view Australia should be displaying a range of data relating to the National Electricity Market.

If you got to this point, then everything probably went well, and you’re all set up with the latest version of ez2view Australia. Awesome!

If you have any problems at all, please contact us for help (see [Contacting Global-Roam](#) on page 8).