

Lesson 2 Introduction to the Data Model

2.1 Prerequisites

For this exercise, use TrainingApp.

2.2 Lab: Explore the Data Dictionary

As a new configuration developer, you will explore the Data Dictionary and identify information about a given application's data model.

In this lab, you will review basic concepts introduced in the *Introduction to Data Model* lesson by using the Data Dictionary.

1. Build the Data Dictionary from the command window

- a) Open a Command window from the C:\GW10\TrainingApp folder.
- b) In the Command window, enter the command to build the Data Dictionary.

2. Open the Data Dictionary

- a) In Windows Explorer, navigate to the Data Dictionary.
- b) Open the Data Dictionary using a web browser.
- c) Create a bookmark in your browser so you can easily come back later.



Tools

genDataDictionary

Open a command window from the `root` directory of the Guidewire application. In the command window, enter `gwb genDataDictionary`



Find

Open the Data Dictionary

The Data Dictionary documents the entities and typelists in the Guidewire application including both base application and customer extensions. To open the Data Dictionary, open `...\build\dictionary\data\index.html` in a recommended web browser.

Write it down



Hint

You can make use of the browser's text search functionality to assist in finding the answers for many of these questions

1. Describe the purpose of the data dictionary.

2. For the ABContact entity, describe the datatype for the EmailAddress1 field.

3. ABContact has a Tax ID field. Is the Tax IDs field used to store a social security number (SSN), an employer ID number (EIN), or both?

4. Name one typekey field in ABContact where the field name is identical to the name of the related typelist.

5. Name one typekey field in ABContact where the field name is NOT identical to the name of the related typelist.

6. Name one field on ABContact which is not stored in the database. What type of field is this?

7. Which has more arrays: the Group entity or the Role entity?

8. How many entities have a field named Organization?



Hint

Use the browser's text search functionality

The easiest way to answer questions 4, 5 and 6 is by using the browser's Find functionality. Use the **CTRL + F** keystroke in the browser and enter **typekey** or **virtual property** or **derived property** as your search keyword and all the matches will be highlighted in the page. This will help you identify possible answers to some of the following questions.



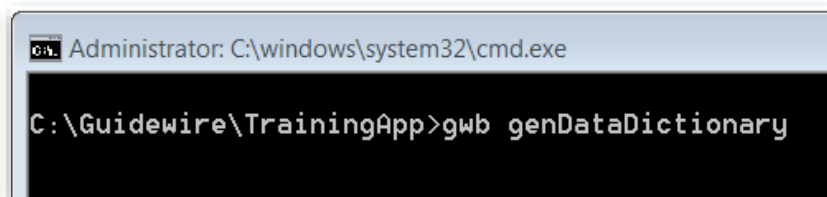
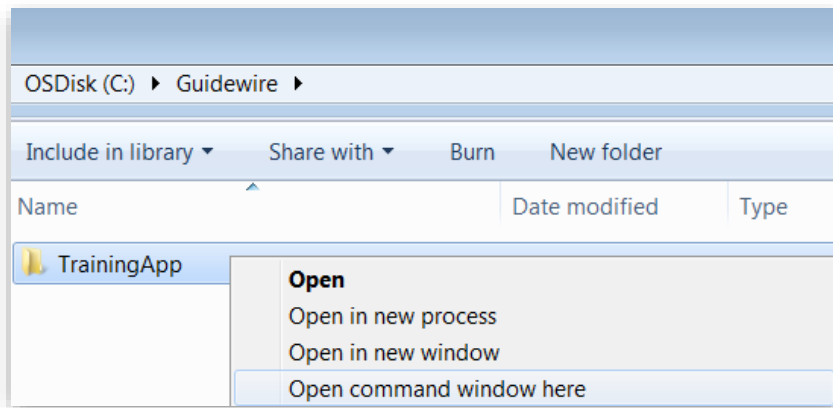
Stop

2.3 Lab Solution: Explore the Data Dictionary

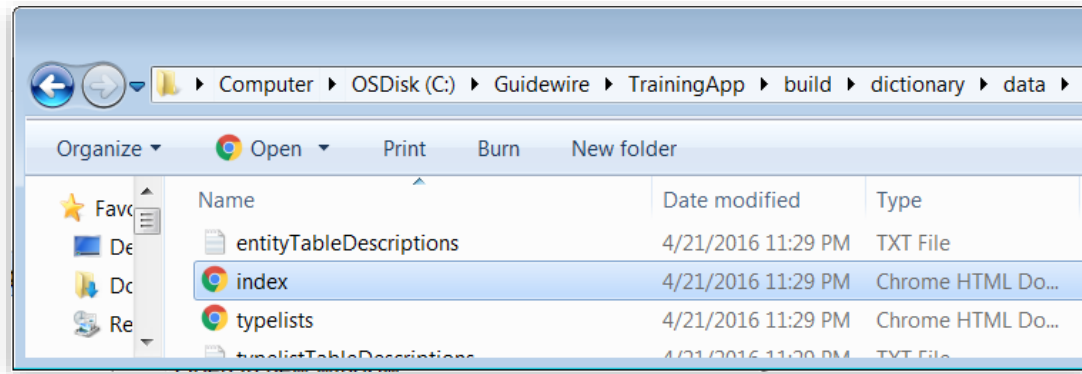


Solution

1. Build the Data Dictionary from the command window



2. Open the Data Dictionary



Write it down

1. Describe the purpose of the data dictionary.

The Data Dictionary is a set of linked documentation in HTML. It describes all the data entities and typelists that make up the data model. The Data Dictionary also lists all attributes and fields for the data entities and extension entities.

2. For the ABContact entity, describe the datatype for the EmailAddress1 field.

varchar(60)

3. ABContact has a Tax ID field. Is the Tax IDs field used to store a social security number (SSN), an employer ID number (EIN), or both?

Both – based on the description: Tax ID for the contact (SSN or EIN).

4. Name one typekey field in ABContact where the field name is identical to the name of the related typelist.

Possible answers: TaxStatus, ValidationLevel, VendorType, etc.

5. Name one typekey field in ABContact where the field name is NOT identical to the name of the related typelist.

Possible answers: PreferredCurrency (which points to Currency), PrimaryPhone (which points to PrimaryPhoneType), Subtype (which points to ABContact subtypes), etc.

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6. Name one field on ABContact which is not stored in the database. What type of field is this?

Possible answers: AddressOwner, CollectionAgency, HasUnverifiedEvaluations

7. Which has more arrays: the Group entity or the Role entity?

Group – Group has 10 arrays and Role has 5 arrays

8. How many entities have a field named Organization?

10 – From the main page of the Data Dictionary click the All Fields link. Scroll down to the Organization attribute (green color) and count the entities below it.