Lesson 7   Introduction to the Data Model

7.1   Exercise: Examine the data dictionary

Activity

In this exercise, you use the Data Dictionary to explore the ClaimCenter data model.

1. **In Windows Explorer, navigate to the ClaimCenter install directory.**

2. **Shift + Right-click ClaimCenter and select Open command window here.**

3. **In the Command window, enter `gwb genDataDictionary -x compile` and hit Enter.**

   Continue with the exercise when the dictionary build is complete. You should see a message that the Data Dictionary HTML files are generated. This may take 5 minutes.

4. **What is the purpose of the Data Dictionary?**

5. **Open the Dictionary in a browser. (C:\GW10\ClaimCenter\build\dictionary\data\index.html)**

6. **Create a bookmark for the Data Dictionary in your web browser.**

7. **Answer the following questions about the current data model as described in the Data Dictionary:**

   a) What is the datatype for the Contact email address fields?

   b) Contact has a Tax ID field. Is this field used to store a social security number (SSN), an employer ID number (EIN), or both?

   c) Is the Contact entity subtyped?

   d) What are the top-level Subtypes of Contact?

   e) Name two attributes of an Attorney that are not on a Person.

   f) Which has more arrays: the Group entity or the Role entity?
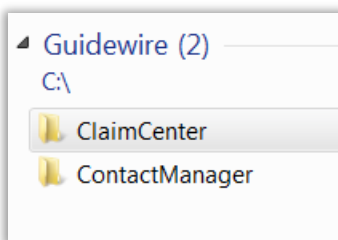
g) How many entities have a field named "Organization". (Hint: From the main page of the Data Dictionary, click the All Fields link.)

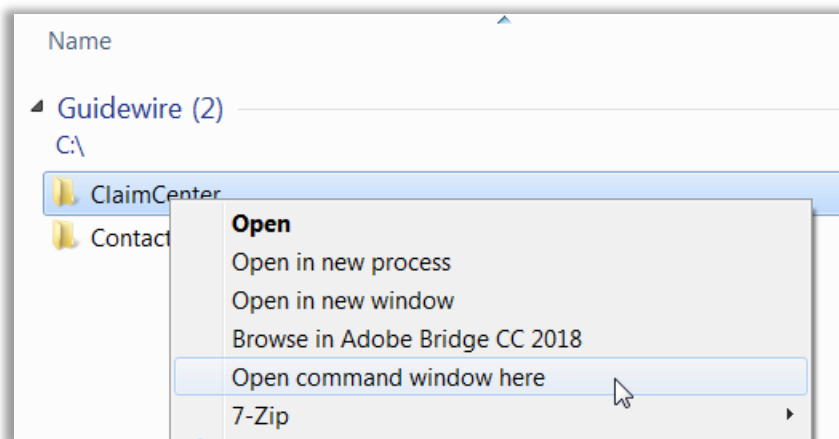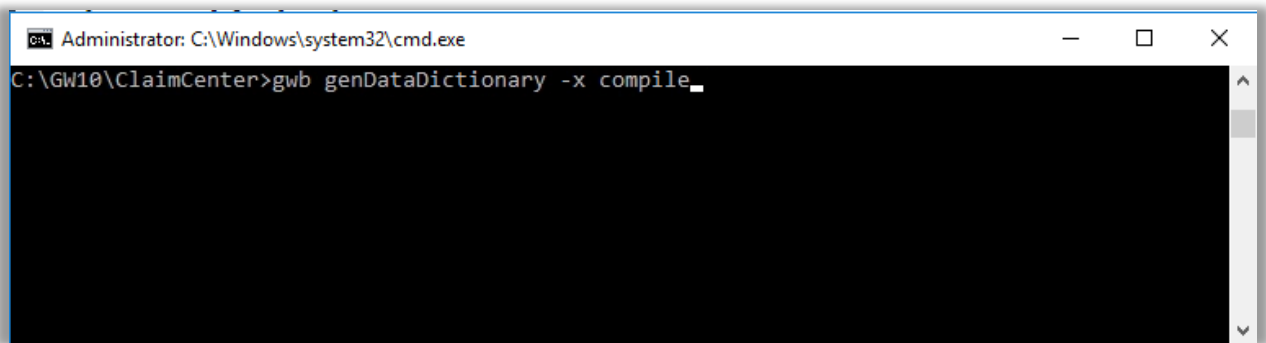# 7.2 Solution: Examine the data dictionary

Solution

1. **In Windows Explorer, navigate to the ClaimCenter install directory.**

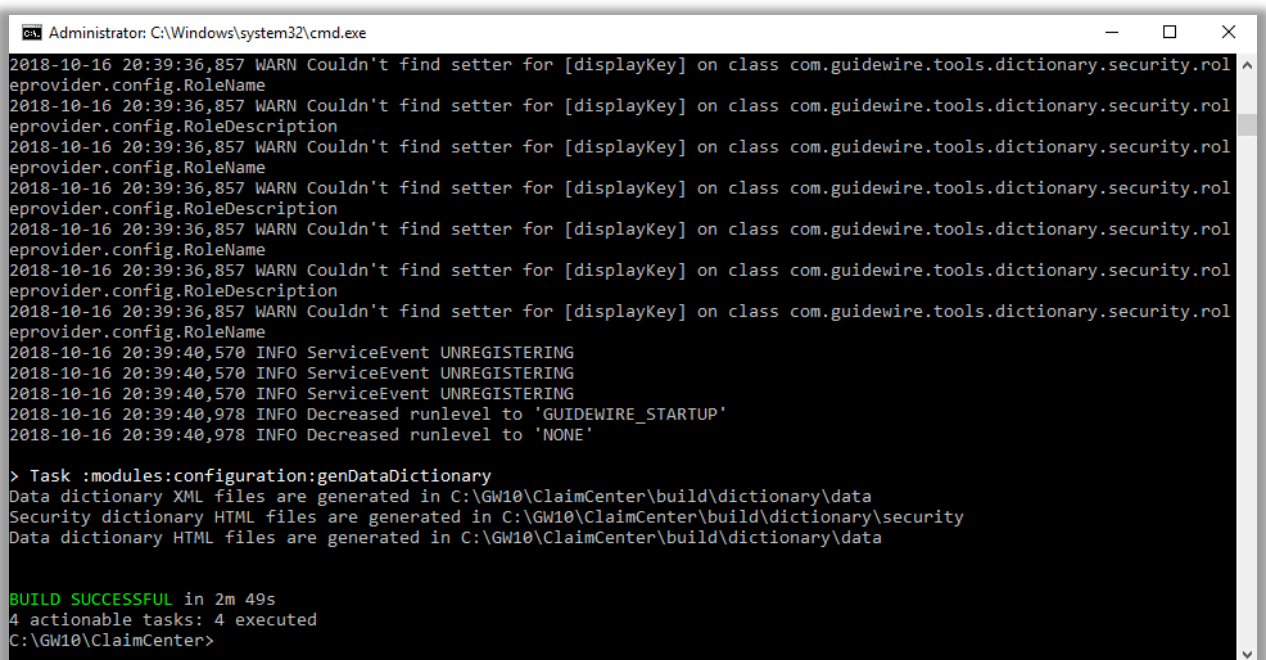2. **Shift + Right-click ClaimCenter and select Open command window here.**

3. **In the Command window, enter `gwb genDataDictionary -x compile` and hit Enter.**

Continue with the exercise when the dictionary build is complete. You should see a message that the Data Dictionary HTML files are generated. This may take 5 minutes.

4. **What is 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.

5. **Open the Dictionary in a browser. (C:\GW10\ClaimCenter\build\dictionary\data\index.html)**

6. **Create a bookmark for the Data Dictionary in your web browser.**

7. **Answer the following questions about the current data model as described in the Data Dictionary.**

    a) What is the datatype for the Contact email address fields?

    varchar(60)

    b) Contact has a Tax ID field. Is this field used to store a social security number (SSN), an employer ID number (EIN), or both?

Both

c)   Is the Contact entity subtyped?

Yes

d)   What are the top-level Subtypes of Contact?

Company, Person, and Place

e)   Name two attributes of an Attorney that are not on a Person.

AttorneyLicense and AttorneySpecialty

f)   Which has more arrays: the Group entity or the Role entity?

Group

g)   How many entities have a field named "Organization". (Hint: From the main page of the Data Dictionary, click the All Fields link.)

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