

XML cache export format describing the Room Type Static Data

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Introduction

This document provides simple explanation to the format outlined by the following schema:

xml.sunhotels.net/Schemas/RoomTypeStaticData_1.7.0.xsd

This is to be considered an appendix to the documentation of static data retrieval provided on <http://xml.sunhotels.net/15/> in regards to Room type content.

Downloading static data

This function is used to download exported XML files containing static information about Room Types in the system.

Example URL with input:

[http://xml.sunhotels.net/15/DownloadExport.aspx?username=\[YourUsername\]%20uk&password=\[YourPassword\]&language=en&xmlType=RoomTypeStaticData&format=zip&version=170](http://xml.sunhotels.net/15/DownloadExport.aspx?username=[YourUsername]%20uk&password=[YourPassword]&language=en&xmlType=RoomTypeStaticData&format=zip&version=170)

Versions

Date	Version	Description
2019.11.07	v1	The file contains detailed room type information such as images, features, room size, bed types and room occupancy.

****Please be aware that other modifications and improvements might alter the original format of the file in the future however, if an adjustment will be applied to the schema structure, we commit to provide an updated documentation along with the file.*

Static data mapping: Ids to descriptions

The Static data mapping of the Ids to the descriptions is available in the file in a dictionary format. This was done so we could reduce the size of the XML file by using the common form of syntactic dictionaries for the repetitive data.

1.1. Dictionary for the Room Features

1.1.1. Example output

```
<Features>
  <Feature Id="180" Description="Hi Fi" />
  <Feature Id="181" Description="In-house movies" />
  <Feature Id="182" Description="In-house video games" />
  <Feature Id="183" Description="Individual heating" />
  <Feature Id="184" Description="Ipod docking station" />
  <Feature Id="185" Description="King-size beds" />
  <Feature Id="186" Description="Kitchen(ette)" />
  <Feature Id="187" Description="Living room" />
</Feature>
```

1.1.2. Description

The Room Features in a dictionary are grouped under the root node <Features>.

1.1.3. Element

The Node Element is designed to have two attributes associated, Id and Description.

1.1.4. Attributes

First attribute is defining each feature with a unique ID. Each ID has as value, a numerical code for each element

E.g.: `Id="201"`.

The Second attribute's role is to describe each feature so an easier identification can be made.

E.g: `Description="In-house video games"`.

1.2. Dictionary for the Bed Types

1.2.1. Example output

```
<BedTypes>
  <BedType Id="13" Description="Single" />
  <BedType Id="14" Description="Twin" />
  <BedType Id="15" Description="Double" />
  <BedType Id="16" Description="Queen" />
  <BedType Id="17" Description="King" />
  <BedType Id="18" Description="Superking" />
</BedTypes>
```

1.2.2. Description

In the dictionary the Bed Types are grouped under the root node `<BedTypes>`.

1.2.3. Element

The Node Element is designed to have two attributes associated, Id and Description.

1.2.4. Attributes

First attribute is defining again, each bed type with a unique ID. Each ID has as value, a numerical code for each element

E.g.: `Id="13"`.

The Second attribute's role is to describe each type of bed that can be found in the hotel rooms.

E.g: `Description="Queen"`.

Room Types Data

2.1. Example output

```
<Hotel>
  <Id>21</Id>
  <AllRoomTypeFeatureIds>
    <FeatureId Id="166" />
    <FeatureId Id="170" />
    <FeatureId Id="179" />
    <FeatureId Id="189" />
    <FeatureId Id="196" />
    <FeatureId Id="203" />
  </AllRoomTypeFeatureIds>
  <RoomTypes>
    <RoomType>
      <Id>4</Id>
      <CustomizedRoomTypeIds>
        <Id>4.1.0</Id>
      </CustomizedRoomTypeIds>
      <FeatureIds>
        <FeatureId Id="170" />
        <FeatureId Id="165" />
      </FeatureIds>
      <RoomSizeInM2>27</RoomSizeInM2>
      <BedTypeCombinations>
        <BedTypeCombination>
          <Id>6</Id>
        </BedTypeCombination>
      </BedTypeCombinations>
    </RoomType>
  </RoomTypes>
  <BedTypeCombinationDetails>
    <BedTypeCombinationDetail>
      <Quantity>1</Quantity>
      <BedTypeId>16</BedTypeId>
    </BedTypeCombinationDetail>
  </BedTypeCombinationDetails>
</Hotel>
```

```

</BedTypeCombinationDetails>
</BedTypeCombination>
<BedTypeCombination>
  <Id>7</Id>

<BedTypeCombinationDetails>
<BedTypeCombinationDetail>
<Quantity>1</Quantity>
<BedTypeId>17</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
</BedTypeCombination>
</BedTypeCombinations>
<ImageIds>
  <ImageId>10782488</ImageId>
  <ImageId>10782489</ImageId>
</ImageIds>
</RoomType>

```

2.1.1. Description

The Room Type Data is divided and categorized under each property. Each Hotel contains details regarding each type of room that can be found, a small dictionary found at the top of each property that states the features that can be found in all the hotel rooms, followed by the type of room available, details regarding the beds and images.

2.1.2. All Room Type Features Dictionary

As before specified, a dictionary can be found at the top of each Hotel and contains details regarding the features that can be found in all the room types available for that property. The details for the `<AllRoomTypeFeatureIds>` `</AllRoomTypeFeatureIds>` includes the Feature element along with a single identification attribute that is represented by a code that can be tracked down for more details in the `<Features>` dictionary found at the top of the XML file.

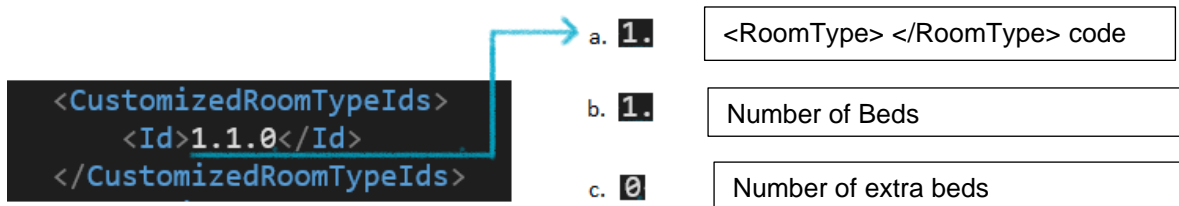
2.1.3. Elements

We used as *Node Element* the tag `<Hotel>``</Hotel>` to map each type of room to a specific hotel. Each hotel can be identified by the `<Id>``</Id>` tag that refers back to the DownloadExport Hotel Cache File. e.g.: `<Id>21</Id>`.

Next one used, is the `<RoomType>``</RoomType>` for which we used an identification *element* set per each room type. More details regarding the Type of Room can be found in the Room Cache file e.g.: `<Id>1</Id>`.

As for the other room details, we have the `<CustomizedRoomTypelds>``</CustomizedRoomTypelds>` tag, which contains information about the room. Full details regarding each type room presented in this the below `<Id>` tag can be found in the Room Cache File.

E.g.:



- a. In the above example the first number represents an ID that is directly linked to a particular room type that can be found in that hotel.
- b. The second number represents the number of beds that is available by default in that room.
- c. The last number showed in that sequence represents the number of extra beds that are available for the guests.

Another element available is the `<BedTypeCombinations></BedTypeCombinations>`. Below, each type of bed can be identified through a code present in the `<BedTypeId></BedTypeId>` tag along with the quantity for each type of bed represented by this tag `<Quantity></Quantity>`.

Last element that is available under the `<Hotel>` Node is the `<ImageIds></ImageIds>` tag which provides a way to share images for the rooms through the xml file.

In order to check the available images per each room, the code that is available through the `<ImageId>` tag represents an URL extension, which used, provides access to images for that particular type of room. e.g.: `<ImageId>10615688</ImageId>`.

This ID can be tracked down in the Hotel Cache File which contains all the necessary information to retrieve properly this data.

Full example of a hotel

<Hotel>	<Id>223028</Id>	Hotel ID
	<AllRoomTypeFeatureIds>	
	<FeatureId Id="160" />	
	<FeatureId Id="173" />	
	<FeatureId Id="179" />	
	<FeatureId Id="189" />	
	<FeatureId Id="196" />	
	<FeatureId Id="197" />	
	<FeatureId Id="199" />	All common features of the rooms on the hotel
	<FeatureId Id="203" />	
	<FeatureId Id="204" />	
	<FeatureId Id="209" />	
	<FeatureId Id="211" />	
	</AllRoomTypeFeatureIds>	
	<RoomTypes>	
	<RoomType>	Room ID
	<Id>1</Id>	
	<CustomizedRoomTypeIds>	
Bed distribution/occupancy	<Id>1.1.0</Id>	
	</CustomizedRoomTypeIds>	
Room size	<RoomSizeInM2>25</RoomSizeInM2>	
	<BedTypeCombinations>	
Bed Type ID	<BedTypeCombination>	
	<Id>6</Id>	
	<BedTypeCombinationDetails>	
	<BedTypeCombinationDetail>	
	<Quantity>1</Quantity>	All possible combinations of BedTypes for the RoomType on the hotel
	<BedTypeId>17</BedTypeId>	
	</BedTypeCombinationDetail>	
	</BedTypeCombinationDetails>	
	</BedTypeCombination>	
	<BedTypeCombination>	
	<Id>7</Id>	
	<BedTypeCombinationDetails>	
	<BedTypeCombinationDetail>	
	<Quantity>2</Quantity>	The BedTypes Combinations contain details about the BedType and Quantity
	<BedTypeId>13</BedTypeId>	
	</BedTypeCombinationDetail>	
	</BedTypeCombinationDetails>	
	</BedTypeCombination>	
	</BedTypeCombinations>	
	<ImageIds>	
Images for the RoomType	<ImageId>10782490</ImageId>	
	<ImageId>10782491</ImageId>	
	</ImageIds>	


```

</RoomType>
<RoomType>
  <Id>4</Id>
  <CustomizedRoomTypeIds>
    <Id>4.1.0</Id>
  </CustomizedRoomTypeIds>
  <FeatureIds>
    <FeatureId Id="170" />
    <FeatureId Id="165" />
  </FeatureIds>
  <RoomSizeInM2>27</RoomSizeInM2>
  <BedTypeCombinations>
    <BedTypeCombination>
      <Id>6</Id>

    </BedTypeCombination>
    <BedTypeCombination>
      <Id>7</Id>

  </BedTypeCombinations>
  <ImageIds>
    <ImageId>10782488</ImageId>
    <ImageId>10782489</ImageId>
  </ImageIds>
</RoomType>
<RoomType>
  <Id>21</Id>
  <CustomizedRoomTypeIds>
    <Id>21.2.0</Id>
    <Id>21.1.0</Id>
  </CustomizedRoomTypeIds>
  <RoomSizeInM2>25</RoomSizeInM2>
  <BedTypeCombinations>
    <BedTypeCombination>
      <Id>10</Id>

```

```

<BedTypeCombinationDetails>
  <BedTypeCombinationDetail>
    <Quantity>1</Quantity>
    <BedTypeId>17</BedTypeId>
  </BedTypeCombinationDetail>
</BedTypeCombinationDetails>
  </BedTypeCombination>
</BedTypeCombination>
  <Id>11</Id>

<BedTypeCombinationDetails>
  <BedTypeCombinationDetail>
    <Quantity>2</Quantity>
    <BedTypeId>13</BedTypeId>
  </BedTypeCombinationDetail>
</BedTypeCombinationDetails>
  </BedTypeCombination>
</BedTypeCombinations>
<ImageIds>
  <ImageId>10782490</ImageId>
  <ImageId>10782491</ImageId>
</ImageIds>
</RoomType>
<RoomType>
  <Id>24</Id>
  <CustomizedRoomTypeIds>
    <Id>24.2.0</Id>
  </CustomizedRoomTypeIds>
  <FeatureIds>
    <FeatureId Id="170" />
    <FeatureId Id="165" />
  </FeatureIds>
  <RoomSizeInM2>27</RoomSizeInM2>
  <BedTypeCombinations>
    <BedTypeCombination>
      <Id>12</Id>
    </BedTypeCombination>
  </BedTypeCombinations>

<BedTypeCombinationDetails>
  <BedTypeCombinationDetail>
    <Quantity>1</Quantity>
    <BedTypeId>16</BedTypeId>
  </BedTypeCombinationDetail>
</BedTypeCombinationDetails>

```

```

        </BedTypeCombination>
        <BedTypeCombination>
            <Id>13</Id>
        </BedTypeCombination>
    </BedTypeCombinationDetails>
    <BedTypeCombinationDetail>
        <Quantity>1</Quantity>
        <BedTypeId>17</BedTypeId>
    </BedTypeCombinationDetail>
</BedTypeCombinationDetails>
        </BedTypeCombination>
    </BedTypeCombinations>
    <ImageIds>
        <ImageId>10782488</ImageId>
        <ImageId>10782489</ImageId>
    </ImageIds>
</RoomType>
<RoomType>
    <Id>80</Id>
    <CustomizedRoomTypeIds>
        <Id>80.1.0</Id>
        <Id>80.2.1</Id>
    </CustomizedRoomTypeIds>
    <FeatureIds>
        <FeatureId Id="170" />
        <FeatureId Id="165" />
    </FeatureIds>
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    <BedTypeCombinations>
        <BedTypeCombination>
            <Id>9</Id>
        </BedTypeCombination>
    </BedTypeCombinations>
</RoomType>
    </RoomTypes>
</BedTypeCombinationDetails>
<BedTypeCombinationDetail>
    <Quantity>1</Quantity>
    <BedTypeId>17</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
        </BedTypeCombination>
    </BedTypeCombinations>
    <ImageIds>
        <ImageId>10782492</ImageId>
        <ImageId>10782493</ImageId>
    </ImageIds>
</RoomType>
<RoomType>
    <Id>1020</Id>
    <CustomizedRoomTypeIds>
        <Id>1020.2.0</Id>
    </CustomizedRoomTypeIds>
    <FeatureIds>
        <FeatureId Id="170" />
        <FeatureId Id="165" />
    </FeatureIds>
    <RoomSizeInM2>49</RoomSizeInM2>
    <BedTypeCombinations>
        <BedTypeCombination>
            <Id>9</Id>
        </BedTypeCombination>
    </BedTypeCombinations>
</RoomType>
    </RoomTypes>
</BedTypeCombinationDetails>
<BedTypeCombinationDetail>
    <Quantity>1</Quantity>
    <BedTypeId>17</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
        </BedTypeCombination>
    </BedTypeCombinations>
    <ImageIds>
        <ImageId>10782492</ImageId>
        <ImageId>10782493</ImageId>
    </ImageIds>
</RoomType>
<RoomType>
    <Id>1020</Id>
    <CustomizedRoomTypeIds>
        <Id>1020.2.0</Id>
    </CustomizedRoomTypeIds>
    <FeatureIds>
        <FeatureId Id="170" />
        <FeatureId Id="165" />
    </FeatureIds>
    <RoomSizeInM2>49</RoomSizeInM2>
    <BedTypeCombinations>
        <BedTypeCombination>
            <Id>9</Id>
        </BedTypeCombination>
    </BedTypeCombinations>
</RoomType>
    </RoomTypes>
</BedTypeCombinationDetails>
<BedTypeCombinationDetail>
    <Quantity>1</Quantity>
    <BedTypeId>17</BedTypeId>
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</BedTypeCombinationDetails>

```

```

</CustomizedRoomTypeIds>
<RoomSizeInM2>25</RoomSizeInM2>
<BedTypeCombinations>
  <BedTypeCombination>
    <Id>1</Id>

<BedTypeCombinationDetails>
<BedTypeCombinationDetail>
<Quantity>1</Quantity>
<BedTypeId>17</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
  </BedTypeCombination>
  <BedTypeCombination>
    <Id>2</Id>

<BedTypeCombinationDetails>
<BedTypeCombinationDetail>
<Quantity>2</Quantity>
<BedTypeId>13</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
  </BedTypeCombination>
</BedTypeCombinations>
<ImageIds>
  <ImageId>10782490</ImageId>
  <ImageId>10782491</ImageId>
</ImageIds>
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  <Id>1157</Id>
  <CustomizedRoomTypeIds>
    <Id>1157.2.0</Id>
    <Id>1157.1.0</Id>
  </CustomizedRoomTypeIds>
  <FeatureIds>
    <FeatureId Id="170" />
    <FeatureId Id="165" />
  </FeatureIds>
  <RoomSizeInM2>39</RoomSizeInM2>
  <BedTypeCombinations>
    <BedTypeCombination>
      <Id>16</Id>

<BedTypeCombinationDetails>
<BedTypeCombinationDetail>
<Quantity>1</Quantity>

```

```

<BedTypeId>17</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
    </BedTypeCombination>
</BedTypeCombinations>
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    <ImageId>10782488</ImageId>
    <ImageId>10782489</ImageId>
</ImageIds>
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    <Id>1176</Id>
    <CustomizedRoomTypeIds>
        <Id>1176.2.0</Id>
    </CustomizedRoomTypeIds>
    <FeatureIds>
        <FeatureId Id="170" />
        <FeatureId Id="165" />
    </FeatureIds>
</RoomType>
<RoomType>
    <Id>1326</Id>
    <CustomizedRoomTypeIds>
        <Id>1326.1.0</Id>
    </CustomizedRoomTypeIds>
    <FeatureIds>
        <FeatureId Id="170" />
        <FeatureId Id="165" />
    </FeatureIds>
    <RoomSizeInM2>39</RoomSizeInM2>
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</ImageIds>
</RoomType>
<RoomType>
    <Id>1490</Id>
    <CustomizedRoomTypeIds>
        <Id>1490.1.0</Id>
    </CustomizedRoomTypeIds>

```

```

</CustomizedRoomTypeIds>
<RoomSizeInM2>25</RoomSizeInM2>
<BedTypeCombinations>
  <BedTypeCombination>
    <Id>4</Id>

<BedTypeCombinationDetails>
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<Quantity>1</Quantity>
<BedTypeId>17</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
  </BedTypeCombination>
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    <Id>5</Id>

<BedTypeCombinationDetails>
<BedTypeCombinationDetail>
<Quantity>2</Quantity>
<BedTypeId>13</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
  </BedTypeCombination>
</BedTypeCombinations>
<ImageIds>
  <ImageId>10782490</ImageId>
  <ImageId>10782491</ImageId>
</ImageIds>
</RoomType>
<RoomType>
  <Id>1540</Id>
  <CustomizedRoomTypeIds>
    <Id>1540.2.0</Id>
  </CustomizedRoomTypeIds>
  <FeatureIds>
    <FeatureId Id="170" />
    <FeatureId Id="165" />
  </FeatureIds>
  <RoomSizeInM2>39</RoomSizeInM2>
  <BedTypeCombinations>
    <BedTypeCombination>
      <Id>3</Id>

<BedTypeCombinationDetails>
<BedTypeCombinationDetail>
<Quantity>1</Quantity>

```

```

<BedTypeId>17</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
    </BedTypeCombination>
</BedTypeCombinations>
<ImageIds>
    <ImageId>10782488</ImageId>
    <ImageId>10782489</ImageId>
</ImageIds>
</RoomType>
<RoomType>
    <Id>1695</Id>
    <CustomizedRoomTypeIds>
        <Id>1695.1.0</Id>
    </CustomizedRoomTypeIds>
    <FeatureIds>
        <FeatureId Id="170" />
        <FeatureId Id="165" />
    </FeatureIds>
    <RoomSizeInM2>27</RoomSizeInM2>
    <BedTypeCombinations>
        <BedTypeCombination>
            <Id>4</Id>
        </BedTypeCombination>
    </BedTypeCombinations>
</RoomType>
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<BedTypeCombinationDetail>
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    <BedTypeId>16</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
    </BedTypeCombination>
    <BedTypeCombination>
        <Id>5</Id>
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</BedTypeCombinationDetails>
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    <BedTypeId>17</BedTypeId>
</BedTypeCombinationDetail>
</BedTypeCombinationDetails>
    </BedTypeCombination>
</BedTypeCombinations>
<ImageIds>
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    <ImageId>10782489</ImageId>
</ImageIds>

```

```
</RoomType>
<RoomType>
  <Id>2293</Id>
  <CustomizedRoomTypeIds>
    <Id>2293.2.0</Id>
  </CustomizedRoomTypeIds>
</RoomType>
<RoomType>
  <Id>23852</Id>
  <CustomizedRoomTypeIds>
    <Id>23852.2.0</Id>
  </CustomizedRoomTypeIds>
</RoomType>
<RoomType>
  <Id>34394</Id>
  <CustomizedRoomTypeIds>
    <Id>34394.2.0</Id>
  </CustomizedRoomTypeIds>
</RoomType>
</RoomTypes>
</Hotel>
```
