



## **DocuSnap X - Other Assets**

Creating Assets Using T-SQL Queries

<b>TITLE</b>	DocuSnap X - Other Assets
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## 1. Introduction

This document describes how you can create objects of the Other Asset type in the DocuSnap CMDB using T-SQL queries. This allows you to import data from other sources to the database in regular intervals.

A possible use case scenario would be the regular import of other asset objects, e.g. of the iPhone type from a different source such as another SQL database. This document does not discuss the regular import, but rather the manual creation of objects.

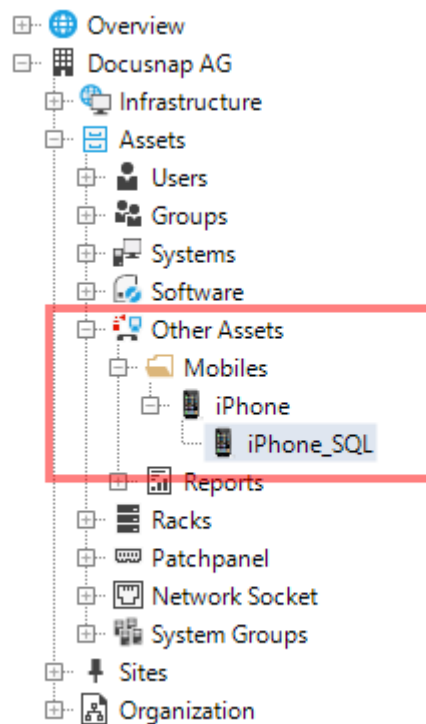


Figure 1 – Result

To reduce the complexity of this topic, we will restrict the description of the database structure to the extent that is necessary for this example.

### 1.1 Prerequisites

This HowTo document does not explain the basic structure of objects of the Other Assets type. Therefore, we assume that you already know the contents of the “Other Assets” HowTo document. This HowTo document is part of the [DocuSnap X – Other Assets](#) DocuSnap Knowledge Base. Additionally, SQL knowledge is required.

## 2. Creating Directories

To create directories in the hierarchical structure below Other Assets node, use the **tGODirectory** table.

ParentID	AccountID	Name
ID of the parent directory. If there is no parent directory, the value is -1.	AccountID of the company that holds the directory.	Name of the directory

### 2.1 Example

Creating a new directory named *Mobiles*

```
INSERT INTO tGODirectory (ParentID, AccountID, Name)
VALUES (-1, (SELECT AccountID FROM tAccounts WHERE AccountName = 'Docusnap AG'), 'Mobiles')
```

In this example, a directory named *Mobiles* is created for the company *Docusnap AG*.

### 2.2 Result

The directory now resides in the Docusnap CMDB and will be displayed accordingly in the GUI (see the figures 2 and 3).

```
SELECT * FROM tGODirectory
```

DirectoryID	ParentID	AccountID	Name
1	-1	1	Mobiles

Figure 2 – Directory – database

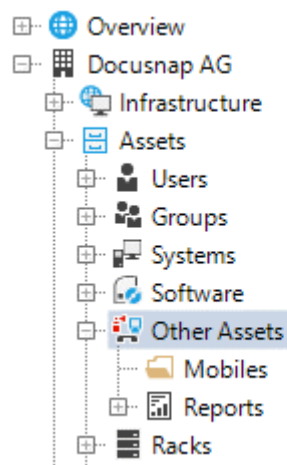


Figure 3 – Directory – Docusnap GUI

### 3. Identifying the Necessary Class (ClassID)

You can use the `tGOClass` table to identify the necessary class and query the ClassID:

ClassID	ClassName
ID of the class	Name of the class

#### 3.1 Example

Use the following statement to identify the ClassID of the *iPhone* class:

```
SELECT ClassID, ClassName FROM tGOClass WHERE ClassName = 'iPhone'
```

ClassID	ClassName
1	2C34152A-C35D-4AFE-ADD3-83C63F2CC332 iPhone

Figure 4 – Identifying the asset class

You can see the name of the class in the IT Assets Management in the Docusnap GUI (see figure 5).

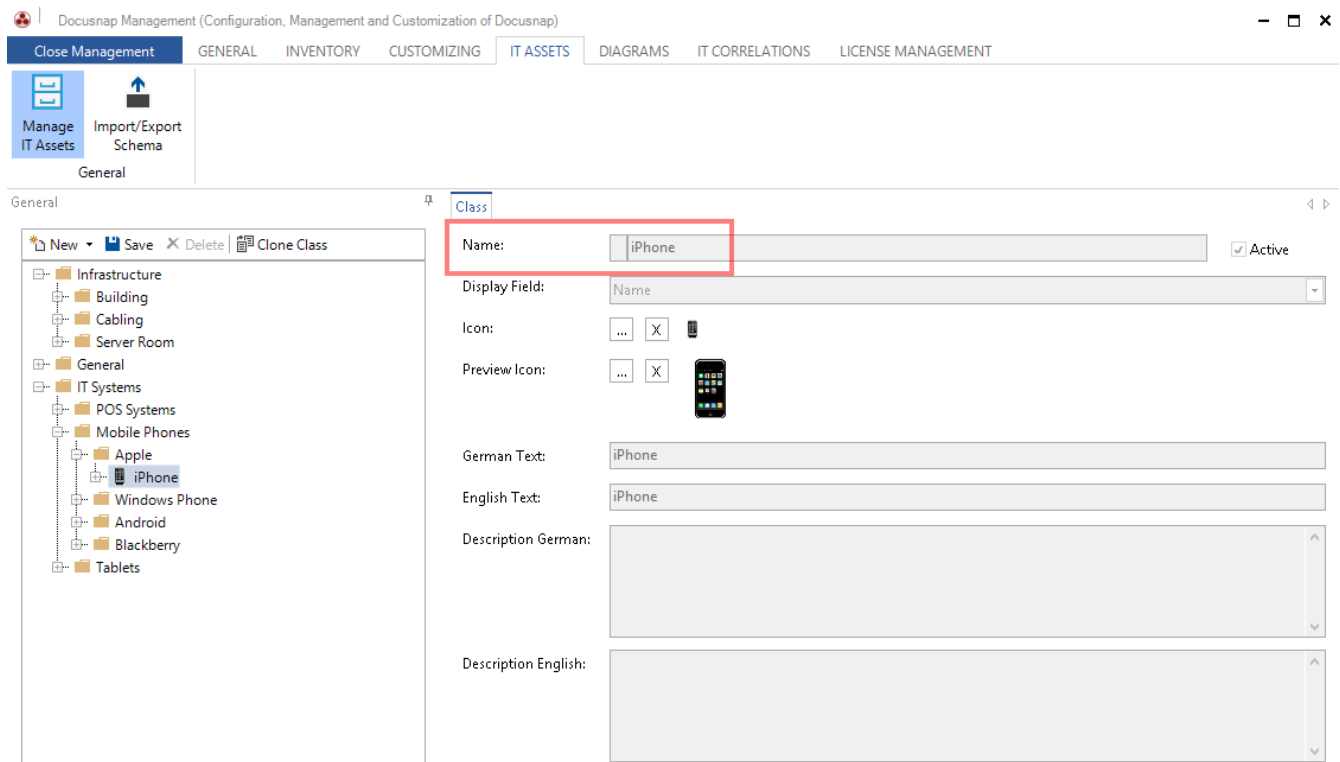


Figure 5 – Name of the class

## 4. Creating the Object

You can use the tGO table to create Other Asset objects:

ParentID	ClassID	DirectoryID	DsGUID
If the object is not a subclass, the value is always -1	ID of the class – <b>determined in section 3</b>	ID of the directory in which the object will reside – <b>determined in section 2</b>	Globally Unique Identifier (GUID)

### 4.1 Example

Use the following statement to create an object of the *iPhone* type in the tGO table:

```
INSERT INTO tGO (ParentID, ClassID, DsGUID, DirectoryID)
VALUES (-1, '2C34152A-C35D-4AFE-ADD3-83C63F2CC332', (SELECT NEWID()), 1)
```

### 4.2 Result

The object now resides in the Docusnap CMDB and will be displayed accordingly in the GUI (see the figures 6 and 7).

```
SELECT * FROM tGO
```

ObjectID	ParentID	ClassID	DsGUID	DirectoryID
1	-1	2C34152A-C35D-4AFE-ADD3-83C63F2CC332	87C123A8-3CE6-45D5-9D28-FB28DD4EE2A9	1

Figure 6 – Asset object – database

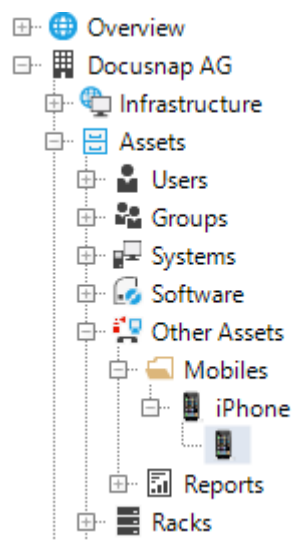


Figure 7 – Asset object – Docusnap GUI

## 5. Populating the Object Properties

To populate the object properties, you first need to query the necessary PropertyIDs of the previously selected class. To do so, use the following statement:

```
SELECT tGOProperty.PropertyID, tGOProperty.PropertyName, tGOTab.ClassID FROM tGOProperty, tGOSection, tGOTab
WHERE tGOProperty.SectionID = tGOSection.SectionID AND tGOSection.TabID = tGOTab.TabID
AND tGOTab.ClassID = '2C34152A-C35D-4AFE-ADD3-83C63F2CC332'
```

The statement lists all properties of the class with the selected ClassID.

	PropertyID	PropertyName	ClassID
10	E0226865-5EC5-4213-990A-2EEB1C8755CF	Serialnumber	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
11	B3E26DF7-BAE8-4D72-B94E-4002B5B19581	Model Name	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
12	80F8DA4F-E43C-428C-8F0C-538BA1498FC3	IMEI	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
13	20C5DB58-8C44-4588-99F0-5C794C7C2A41	Memory	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
14	02B897A9-FF8E-44B0-8892-64609DFF4679	Display	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
15	6E5362A0-2021-4A34-8DC4-729DF9884553	Name	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
16	A5668A55-8E26-4CE7-A2BF-9325586FCB12	ICCID	2C34152A-C35D-4AFE-ADD3-83C63F2CC332

Figure 8 – Identifying the asset properties

### 5.1 Example

In the following example, you will fill the *Name* property. For this purpose, you first need to create the corresponding value for the previously selected object and property in the tGOValue table.

ObjectID	PropertyID	ObjectValue
ObjectID of the previously created object – <b>determined in section 4.2</b>	PropertyID – <b>determined in section 5</b>	Value of the property

You can use the following statement to create a value for the *Name* property of the iPhone object created above:

```
INSERT INTO tGOValue (ObjectID, PropertyID, ObjectValue)
VALUES (1, '6E5362A0-2021-4A34-8DC4-729DF9884553', 'iPhone SQL')
```



## 5.2 Result

The object now resides in the Docusnap CMDB and will be displayed accordingly in the GUI (see figures 9).

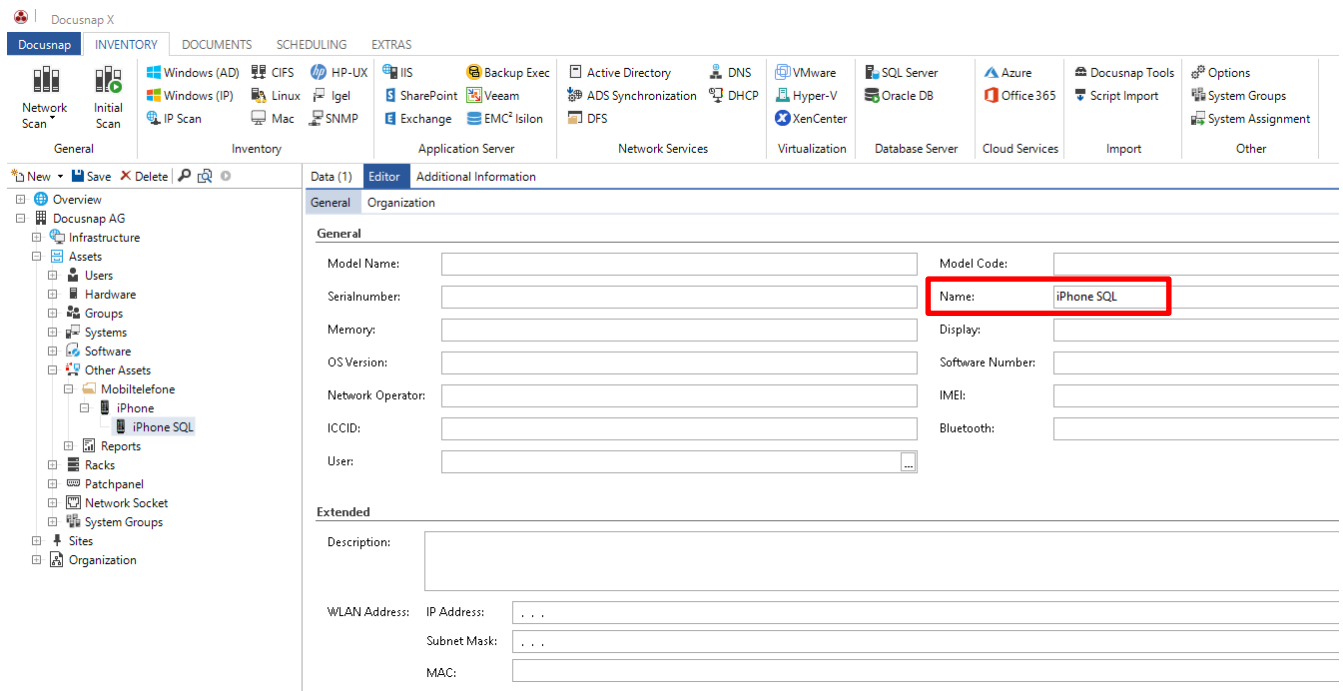


Figure 9 – Object property populated – Docusnap GUI

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## VERSION HISTORY

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Date	Description
9/25/2017	Version 1.0 – initial creation of the HowTo document
10/24/2018	Version 1.1 – Screenshots adapted

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