

Other Assets Creating Assets Using T-SQL Queries



TITLEOther AssetsAUTHORDocusnap ConsultingDATE11/3/2020VERSION2.0 | valid from October 01, 2020

The reproduction and distribution of this document as a whole or in part as well as the utilization and disclosure of its contents to third parties without the express authorization by Docusnap GmbH are prohibited. Offenders will be held liable for indemnity. All rights reserved.



TABLE OF CONTENTS

1. Introduction	4
1.1 Prerequisites	4
2. Creating Directories	5
2.1 Example	5
2.2 Result	5
3. Identifying the Necessary Class (ClassID)	6
3.1 Example	6
4. Creating the Object	7
4.1 Example	7
4.2 Result	7
5. Populating the Object Properties	8
5.1 Example	8
5.2 Result	9



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.

🚱 Docusna	p 11								Q 🕸 🎇 · ?	⊟ ×
•	Inventory									
Discovery	👯 Windows (AD) 🕁	₽ SNMP	☆ 🗉	Active Directory 🖇	VMware Infrastructure	Azure Ser	vice 🏫 🛛 🕅 Ex	change Server 🏠	System Groups 🟠	
Inventory	··· All Wizards									
Documentation	 Overview Docusnap Sports 		+ New -	- Data (1)	Editor Additional Informa	ation				
IT Security	 Contraction Contract		Save							
<u>م</u>	> 🛛 Users > 🛢 Hardware		General Org	anization						•
License Management	> 🖉 Groups > 🔂 Systems		General				Madal Cada	[
Ŀ	> 🚺 Software > 😤 Other Assets		Serialnumber:				Name:	iPhone-SQL		
All Jobs	V D Mobile_Devices]	Memory:				Display:			
Connect	iPhone-SQ		OS Version:				Software Number:			
B	B Physical Infrastruct	ure	Network Ope	rator:			IMEI: Bluetooth:			_
Physical Infrastructure	> Sites						blactooth.			
° _¢	> 🗟 Organization > 🖉 Connect		Extended Description:							~
Management										~
			WLAN Addres	s: IP Address:						
				Subnet Mask:						

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 tGODirect	cory				
		DirectoryID	ParentID	AccountID	Name
	1	5	-1	1	Mobile_Devices



🚱 Docusna	ip 11		0 @ ₿·?·- □ ×
. 🚱	Inventory		
Discovery	🚦 Windows (AD) 🏠 🖳 SNMP	☆ ⊡ Active Directory ☆ ⊕ VMware ☆ Azure Service ✿ Exchange Server ☆	🕼 System Groups 🟠
Inventory	··· All Wizards		
Documentation	>	+ New • : • Editor Analysis Additional Information	
보습 IT Security	> 🔁 Infrastructure ~ 🖃 Assets	☐ Save	
<u>p</u>	> 🛛 Users > 🖩 Hardware	Name: Mobile_Devices	
Management	> g ^A Groups > 📴 Systems		
All Jobs	> 🕼 Software > 🛞 Other Assets		
² O	> Mobile_Devices		
Connect	Physical Infrastructure System Groups		
Physical Infrastructure	 > ✓ Sites > ⊇ Organization > ✓ Connect 		
©g Management			



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, ClassNam	e FROI	M 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.

🚱 Docusna	p 11			Q @ 👪 - 7	• - ⊟ ×
O iscovery	Inventory	ap 11 - Management (Configuring, Customi:	zing and Extending o	f Docusnap)	- 🗆 X
Inventory	General	IT ASSETS			
Documentation	Inventory	IT Assets	7 Class		4 Þ
IT Security	Customizing	HNew - Save × Delete Cone Class Delete Cone Class Delete Cone Class Delete D	Name: Display Field:	iPhone Name	Active
License Management	低 IT Assets	 ^L IT Systems ^L POS Systems 	Icon: Preview Icon:		
All Jobs	Diagrams	 Apple BiPhone Windows Phone Pi Android 	German Text:	iPhone	
Connect	IT Correlations	> D Blackberry - D Tablets - Tablets	English Text: Description German:	iPhone	^
Physical Infrastructure	License Management				~
Anagement 🖓	Connect Legacy		Description English:		^
	Фр Options				~
	× ^{Close} Management				

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 – determined in section 3	ID of the directory in which the object will reside – determined in section 2	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





🚱 Docusna	ap 11		Q 🕸 🎼 ? · - 🗆 ;
٢	Inventory		
Discovery	👪 Windows (AD) 😭 🖵 SNMP	☆ ⊡ Active Directory ☆ Ø VMware ▲ Infrastructure ☆ ▲	Azure Service 🏠 🕅 Exchange Server 😭 🕼 System Groups 🟠
Inventory	··· All Wizards		
Documentation	> ⊕ Overview > இ Docusnap Sports > € Infrastructure	+ New • : • Data Additional Information	
IT Security	 ✓ ☐ Assets > ○ Users > ■ Hardware 	1	
License Management	 A Groups B Systems C Setures 		
All Jobs	 Gottware Gottware Cher Assets Cher Mobile_Devices 		
Connect	> Reports		
Physical Infrastructure	 Physical Infrastructure III System Groups Sites Organization 		
්ය Management	> 🖋 Connect		





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
1	2DF899994-8E2C-4E16-B141-A321BD3DFE6D	Site	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
2	ACE7A08E-512D-4A9F-9041-B17A3B97931B	Rack Start Height Units	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
3	8F87B08D-9BF5-4D17-8960-CA45E84D321D	Rack	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
4	E8BE12BC-B0E1-4843-B9AC-F8C844A993D6	RackNumberOfHeightUnits	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
5	BF3A608B-2083-4528-81F9-13141E0D57AC	Description	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
6	68BDCDF9-6D64-4D79-88C0-90DF737CD58D	WLAN Address	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
7	7E525882-C026-43AD-AC11-118C81CB870B	Software Number	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
8	67908194-6CF5-4CBF-A065-1BEF8AA85ECE	Model Code	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
9	4497C292-5A13-47CE-92D9-2726AC65A8C7	Network Operator	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
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
17	882E08B7-B190-4F1B-A760-97AA9E041280	OS Version	2C34152A-C35D-4AFE-ADD3-83C63F2CC332
18	C81CFE7C-C7A1-4D00-9074-EE7940D6D5BE	Bluetooth	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 – determined in section 4.2	PropertyID – determined in section 5	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.

🛞 Docusnap 11 🛛 🕴 🛱 🖓 ? - 🗆 🗙									
S	Inventory								
Discovery	📢 Windows (AD) 🏠 🖳 SNMP	🖒 📄 Active	Directory 🏠	B VMware ☆ Infrastructure ☆	🔺 Azure Serv	ice 🟫 🛛 🕅 Ex	change Server 🏠	G System Groups 1	
Inventory	··· All Wizards								
Documentation									
	 Overview Docusnap Sports 	+ New • : •	Data (1)	Editor Additional Informatio	n				
E IT Security	> 🔁 Infrastructure ~ 🖻 Assets	☐ Save							
	> Q Users > III Hardware	General Organization							
Management	> g^ Groups > 🔓 Systems	General							
Ŀ	> Software	Serieleumher				Model Code:	Disease COL		
All Jobs	 Other Assets Obile Devices 	Senainumber:				Name:	IPhone-SQL		
~S	V iPhone	Memory:				Display:			_
Connect	iPhone-SQL	OS Version:				Software Number:			
a	> B Physical Infrastructure	Network Operator:				IMEI:			
Physical	> 🛄 System Groups	ICCID:				Bluetooth:			
Infrastructure	2 ≥ ♥ Stes > □ Organization Extended								
°0	> 🖉 Connect	Description:							^
Management									
		MI AN Address IR	Addrose						~
		WLAIN Address: IP Sul	hnet Mask:						
		M	AC						_

Figure 9 – Object property populated – Docusnap GUI



LIST OF FIGURES

FIGURE 1 – RESULT	4
FIGURE 2 – DIRECTORY – DATABASE	5
FIGURE 3 – DIRECTORY – DOCUSNAP GUI	5
FIGURE 4 – IDENTIFYING THE ASSET CLASS	6
FIGURE 5 – NAME OF THE CLASS	6
FIGURE 6 – ASSET OBJECT – DATABASE	7
FIGURE 7 – ASSET OBJECT – DOCUSNAP GUI	7
FIGURE 8 – IDENTIFYING THE ASSET PROPERTIES	8
FIGURE 9 – OBJECT PROPERTY POPULATED – DOCUSNAP GUI	9



VERSION HISTORY

Date	Description
9/25/2017	Version 1.0 – initial creation of the HowTo document
10/24/2018	Version 1.1 – Screenshots adapted
04/27/2020	Version 2.0 - Revision of the HowTos for Docusnap 11

