Teamcenter 9 Classfication

分类管理使用教程





Mildcat

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第一章 创建 Group

1. 创建 Group

注意: 创建的组必须在 Classification 的目录下,否则在 Classification 模块中将看不见创建的组。

Classification Admin				
👕 Hierarchy 📑 Dictionary 🚰 Key LOVs 📑 GCS Types				
📝 Hierarchy				
SAM Classification R	oot			
Guided Compor	Root SAM			
Classification R	Expand			
	ExpandAll			
	Collapse			
	CollapseAll			
	Refresh			
	Add current class to root selector			
	Set Root Node			
	Add Image			
	Add Group			
	Add Class			
	Show Node IDs			
	✓ Show Instance Count			

更改创建的 Name 后保存。

n 🍦 x 153 36	8		
(infodba (infodba) - dba	a / DBA [] [IMC2059188042])		
	Classification Admin 🗙		
	📜 Hierarchy 📑 Dictionary 📑 Key LOVs 📓 GCS T	ypes	
Customize	📝 Hierarchy	🙆 Classification Root 🔻 🔳	Sroup
» >	SAM Classification Root Guided Component Search (GCS) [0]		Name: StandardParts
» »	Classification Root		Parent: SAM
»	Unit Definition Class [142]		Options:
			Prevent remote ICO creation
			Multi-Site Collaboration
			Shared: No Select sites,
			Owned by: this site Transfer ownership Delete
			Access Control
			Privileges on group definition Privileges on ICOs
			Named ACL
Organize			ACL Name:

2. 添加 Group 图标

选择编辑功能,点击添加按钮,完成图标更改。

🔤 💠 🖙 🔛 X 🍡 🍕 📾
+ Add Or Modify X Delete
Add Group Add Class 🐄 🦄 Add Icon Remove Icon
Classification Admin 🗙
Hierarchy Dictionary
V Hierarchy
SAM Classification Root Guided Component Search (GCS) [0] Classification Root StandardParts Unit Definition Class [142]

3. 添加 Image

和上述操作类似,通过 Add Image 即可完成添加,主要可以帮助使用者快速洞察到此组的内容。

	+ Add Orr Modify X Delete
Add Group	Add Class 📩 🎽 Add Icon Remove Icon



第二章 创建类 Class

类在 classification 中分为抽象类 Abstract Class 和存储类 Storage Class

抽象类 Abstract Class 主要是其他类的共同属性,不能实例化分类管理的事例。



Hand AbstractClass	
Name: Components Parent: SAM01	
Class Details Class Attributes 🔍 Access Control Graphics Builder 🔳 GCS CPE	s
System of measurement remetric C non-metric C both(metric and non-metric)	
Options: Abstract Allows multiple Instances Assembly Prevent remote ICO creation	
Alias names	

2. 创建存储类 Storage Class





可以通过编辑进行修改参数设置。

🞯 SAM Classification Root
Guided Component Search (GCS) [0]
Classification Root
E StandardParts
Components [0]
RectanguarPlate [0]
RoundPlate [0]
🦥 Unit Definition Class [142]

3. 添加属性给抽象类

(这些属性都在第五章进行了定义,请参见此章节完成属性定义)

处于编辑模式下,点击添加属性按钮。



点击搜索按钮,此处我们将 Plate Height 和 Plate Hole Dia 作为抽象类,并将这连个属性全部加入。

Attribute ID	Name	Short Name	Default Annotation	Format(
-60009	Ignore for Optimi			POPUP(-60
-60008	Number of Decim			INTEGER(
-60007	Conversion additi			REAL(10.9
-60006	Measure			STRING(6
-60005	Base unit			POPUP(-6
-60004	System of Measu			POPUP(-6
-60003	Conversion multi			REAL(10.9
-60002	Unit name			STRING(6
-60001	Unit display name			STRING(2
-2824	GCS CP Quantity	CP Quant		STRING(24
-2823	GCS CP Index	CP Index		STRING(2
-2822	GCS CPD Index	CPD Index		STRING(24
2821	GCS CP Shape	CP Shape		POPUP(-2
-2820	GCS CP Direction	CP Dir		POPUP(-2
-2800	GCS Mapping Stri	Att Mapping		STRING(7
1000	Rec Plate Width	Width	Width	REAL(8.8)
1001	Rec Plate Length	Length	Length	REAL(8.8)
1002	Round Dia	dia	dia	REAL(8.8)
1003	Plate Height	Height	Heiath	POPUP(-1)
1004	Plate Dia	Dia	dia	POPUP(-2
<u> </u>			1 to 20 of 20 💌	
Search Criteria			Q	Search
Name				

通过属性面板进行一些必要的设置

	Default Value 🔽 Dia5 5
	Minimum Value
	Maximum Value 🗌 🔲 From dictionary
Reference Attribute :	
Array :	Length: 0
Prope <mark>rties :</mark>	Mandatory Local Value
	Unique Disable Auto Filter
	Protected User Defined Button
	T Hidden Propagated
	TAuto Computed TOptimize Display
Applicability :	▼ NX CAM Graphics Creation GCS Connection
	Application 4 Application 5

4. 添加属性给存储类

用同样的方法完成对存储类 RectangularPlate 和 RoundPlate 属性的添加



第三章 创建 View 和管理视图

View 主要用来定义类如何在用户,组,角色,项目等成员中进行显示和隐藏。实际上也就是对话框的显示样式及其显示那些内容。

Teamcenter 定义的 View 包括: User View, Role View, Project View, Group View, Default View

1. 创建一个类的	约 View
🖃 🌄 StandardParts	
Components [0]	
	StorageClass 5AM010101
RoundPlate [0]	Select
Unit Definition Class [142]	Expand
	ExpandAll
	Collapse
	CollapseAll
	Refresh
	Add current class to root selector
	Set Root Node
	Add Image
	Add Class
	Add View

🎾 Add View	for Class "SAM010101"	×
View Type	Default View	-
View ID	Subclass Default View	4
·	User View	
	Group View	
	Role View	
	Project View	
	Mapping View	
	NXLIB Search Criteria View	-



2. 定义界面

通过 View Attributes 面板,可以定义显示的属性和显示样式

Name: infodbaView	* Parent: SAM010101			
View Details View Attributes 3 Access Control Grap	hics Builder			
Class Attributes				View Attributes
▼ 1003 Plate_Height Heigth			Start Frame (Rectangula	rPlate)
▼ 1004 Plate_Dia dia		4	1000 Rec_Plate_Width Width	
▼ 1000 Rec_Plate_Width Width			Separator 1003 Plate Height Heigth	
▼ 1001 Rec_Plate_Length Length		1	1004 Plate_Dia dia	
		Browiew	End Frame	
Chart Block		Preview		
End Block		A		
Start Frame				
End Frame				
Start Horizontal Layout	Preview View Attribute		×	
End Horizontal Layout				
User Defined Button Keep Width 📝	RectangularPlate			Total Length L1 🖽
Auto Computed Array Length:	Rec_Plate_Length Length		* Length mm	·
Metric Unit	Rec_Plate_Width Width		* Length mm	
Default Value				
	Plate_Height Heigth		🛃 Length_mm	
Minimum Value	Plate_Dia dia	<u></u> ı	.ength_mm	
Maximum Value				
Non-Metric Unit				

3. 查看 View

在定义完 Classification Admin 后,创建了 ICOs,切换到 Classification 模块,双击事例对象,就可以看到我们定义的对话框。(可以看见和上图的预览效果相同,添加了 Group 和 Separator)

Components [1]	1	Revision rule: 😵 Click to add a revision rule,	
RectangularPlate [0]		RectangularPlate Rec_Plate_Length Length	
Ŭ		Rec_Plate_Width Width	
		Plate_Dia Dia 🗐 🔽 mm	

没有创建 View 的对话框如下。

Components [1]	Revision rule: '	
RectangularPlate [0]	Plate_Height Height mm Plate_Dia Dia mm Round_Dia RD mm	

第四章 Classification 权限管理

Classification 中权限管理实际上为 AM(Access Manager)权限管理模块的一个延伸,主要是用来 管理 ICOs 或者是 Classification 定义的组和类的权限。创建的规则管理权限将会被插入到权限管理 树里。

1. 创建类规则 Classification Rule

可以对组或者类进行分别的规则定义,选择编辑功能,进入 Access Attribute 模块。

Access Control 提供两种方式,基于组或者基于 ICOs 控制。



通过添加已有的 ACL 或者创建新的 ACL 进行控制。

💙 Grant privilege

X Deny privilege

-Ac	ess Control	p definition															
	Privileges on ICOs	;															
L_V	lamed ACL																
A	CL Name: new Classfica	ation 💌	* ×	Q													
	Ţ	2	907 🧷 🤇	X % 🔿	5	8	11 R	₽ ±	★ (E	2	5 (S)		<u>h</u> 0,	9	1	2 -	+
G	roup	dba	< < <	(—
l l	/orld			K													_
				+ 4	dd	o w Moo	dify	× D	elete								

2. 删除权限规则

在编辑模式下,选中 ACL 通过 Delete 按钮完成删除权限操作。

on <mark>A</mark> dmi	in (infodba	(infodba) - dba / DBA [] [I	MC2059188042])			va Ber
		Classification Admin 🗙				
		Hierarchy Dictiona	ary 🛛 💕 Key LOVs 📔 📰 GCS Types			
	Customize	🔰 Hierarchy	😺 Classification Root 🕚		🔓 Group	SAM01
	» »	SAM Classification Root	Search (GCS) [0]		Name: StandardParts	
	»	Classification Ro	ot		Parent: ICM	
	» »	🖻 🦣 Standardi	Parts		Coptions:	
		Compon	ents [1]		Prevent remote ICO creation	
			and and the		M IN Ch. C. I. have a	
		Rec	tangularPlate [0]			
		E Rou	ndPlate [1]		Shared: No Select sites	
		Unit Definition Class	[142]		Owned by: this site	Transfer ownership Delete
					Access Control	
						51
					new Classification	
		ſ	9	•	Named ACI	
		2			ACI Name: new Classification	x * x e
		12 2 23	· · · · · · · · · · · · · · · · · · ·			
	Organize				Group dba	
			1		World	
		a	0			
		27 - 27 - 27 - 27 - 27 - 27 - 37 - 27	0			
			· . ·			
		1	· · · · · · · · · · · · · · · · · · ·		<u></u>	
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	The state of the s			+ Add Or Modify X Delete

第五章 搜素分类层次

通过搜索功能,可以快速定位到需要的对象上。搜素条件包括:

搜索的

ClassID

Name

AliasNames

Name&AliasNames

AttributeID

Attributename

1. 快速搜素

使用快速搜素,输入关键字,通过左右箭头可以快速切换到搜索的结果。



2. 通过搜索对话框搜索

通过点击搜索按钮,弹出搜索对话框,通过搜索条件进行灵活选择。

,		
	9	▶
🎾 Search Class		×
Name value*	Q	
SAM010101;RectangularPlate		
SAM010102;RoundPlate		
Item Count=2		

通过双击即可定位到选择的搜索结果上。

第六章 为组/类/视图添加图片

通过添加图片,可以更直观的显示类容,默认情况下可以支持 10 张图片,分别命名为 ICS-ClassImage,ICS-ClassImage1...ICS-ClassImage9。

1. 添加图片

在编辑状态下,点击添加图片功能。





通过选择 reference 可以为指定的加入图片



2. 删除图片

在编辑状态下,通过点击删除命令,即可移除图片

Unit Definition Class [142]	
	User Data

第七章 创建和管理 key-LOVs

创建 key-LOVs 可以对多个数值进行管理。

在创建的时候注意系统要求的长度。

Object	Length in characters
Key-LOV key	31
Key-LOV value	63
Key-LOVID	10

1. 创建 key-LOV

切换到 LOVs 选项,点击新建按钮

🛅 🛥 🐟 🔊 🔜 🗙 🌭 🍫	🐴 🖽
ation Admin (infodba (infodba) - dba	/DBA [] [IMC2059188042])
	Classification Admin 🗙
	Hierarchy CCS Types
>> >> >> >> >> >>	-2820 GCS Direction -2821 GCS Shape -60004 System of Measurement -60005 Base Unit -60009 Ignore for Optimization

通过创建面板,可以快速的定义出 key-LOV 界面。

Detailed Key-LOV Definition		
-1:HeightLov	j nide keys	
height20:20		
	Preview	
-height50:50		_
Separator		
⊢-#>:LargeHeight height100:100	height10	10
height200:200	height20 :	20
	😑 height30 :	30
	height40 ·	40
	neightsu :	50
heig	ight100 100 LargeHeig	ht 🕨
heig	ight200 200 Insert Entry	
	Add Submenu	
		1
	Insert Submen	u
	Add Consults	
	Insert Senarate	v
	Delete	1

2. 编辑创建 key-LOV

编辑 Key-LOV 的方式很简单,选中已经创建的 Key-LOV,点击编辑按钮,完成相应的操作。



3. 创建 Hole_Dia LOv 同样的方式可以创建 Hole_Dia LOV。

第八章 创建和管理属性字典 attribute dictionary

属性字典 attribute dictionary 的创建来定义类事例中的不同,通过创建属性可以为每一个 Class 添加不同的属性值,完成分类的定义。

1. 创建属性字典 attribute dictionary

切换到 Dictionary 面板,点击新建。

] •= <mark>🍫</mark> \$2 🗄 X 😼 8	• 🔒 💷			
n Admin (infodba (infodba) - d	ba/DBA [] [IMC2	059188042])		
🔁 c	lassification Admin 🗙			
	Hierarchy	ary 📑 Key LOVs 🚹 🛐 GCS Type	s	
Customize	Attribute ID:		🎾 New Attribute ID	×
» »	Name:	*	Attribute ID 1000 * Assi	<mark>gn </mark>
»	Short Name:		OK Cancel	
"	Default Annotation:			
		Metric Unit Format Unit Default Value:	Select Unit 🔻	

完成必要信息的填写,保存即可

y 😭 Diction	ary 📷 Key LOVs 📓 GCS Types
Attribute ID:	1000 *
Name:	Rec_Plate_Width *
Short Name:	Width
t Annotation:	Width
	Metric Unit
	Format REAL(8.8)
	Unit Length (mm)
	Default Value: 00000020.00000000
	Minimum Value:
	Maximum Value:
	Non-Metric Unit
	Format
	Unit Length (in)
	Default Value: 00000000.50000000
	Minimum Value:
	Maximum Value:
Help Texts	
help rext.	This is for rectangular plate width
Comments:	This is for rectangular plate width

2. 注意事项

1) Teamcenter 提供了很多值的方式,根据设置对话框可以对其进行精确的定义。

A Format Dialog ×
KeyLOV String Integer Real Date
Number Of Digits: 8 8
Force positive number
Accept and display + or -
Accept + and - but display - sign only
Preview : 12345678.12345678
OK Cancel

- KeyLOV
- String
- Integer
- Real
- Date
 - 2) 通过勾选优化显示可以对输入的数值单位进行优化处理

	Reference Attribute:	
	Optimize Display:	N
1		

3) 可以通过复制格式的方式进行同类型的属性快速创建

Attribute ID: 1001 Name Short Name Default Name: Short Name:	Hierarchy 😭 Diction	ary 📑 Key LOVs 📲 GCS Types		_			
Attribute 10: 1001 Name: 60009 Short Name: 60007 Default Annotation: 60007 Metric Unit 60008 Format STRING(8) Unit Select Unit Default Value: 0001 Maximum Value: 0232 GCS CP Dradex CP Index 2823 GCS CP Index 2824 GCS CP Dradex 2823 GCS CP Index 2823 GCS CP Index 2823 GCS CP Index 2821 GCS CP Shape 2822 GCS CP Shape 2823 GCS CP Shape 2824 GCS CP Shape 2823 GCS CP Shape 2824 GCS CP Shape 2822 GCS CP Shape 2823 GCS CP Shape 2820 GCS CP Shape 2821 GCS CP Shape 2820 GCS CP Shape 2821 GCS CP Shape 2820 GCS Mapping Stri Att Mapping 1000 Rec_Plate_With Width Maximum Value: <th></th> <th>*</th> <th></th> <th>Attribute ID</th> <th>Name</th> <th>Short Name</th> <th>Default</th>		*		Attribute ID	Name	Short Name	Default
Name: -60008 Short Name: -60007 Default Annotation: -60006 Metric Unit -60006 Format STRING(8) Unit Select Unit< Default Value: -2822 GCS CP Dindex -2821 2821 GCS CP Dindex -2821 GCS CP Dindex -2820 GCS Mapping Stri Minimum Value: -2800 Minimum Value: -2800 Minimum Value: -2800 Minimum Value: -2800 Assign Format 1 to 16 of 16 V	Attribute ID:	1001		-60009	Ignore for Optimi		
Name: Short Name: Default Annotation: Metric Unit Format STRING(8) Unit Select Unit Pefault Value: Maximum Value: Non-Metric Unit Format Select Unit Minimum Value: Non-Metric Unit Select Unit Format Select Unit Maximum Value: Minimum Value: Maximum Value: Minimum Value: Assign Format 1 to 16 of 16	News	*		-60008	Number of Decim		
Short Name:	Name:			-60007	Conversion additi		
Short Hvalue: -60005 Base unit - Default Annotation: -60004 System of Measu - Format STRING(8) - - Unit Select Unit - - Default Value: - - - Minimum Value: - - - Maximum Value: - - - Non-Metric Unit - - - Permat - - - - Minimum Value: - - - - Non-Metric Unit - - - - - Permat -	Short Name:			-60006	Measure		
Default Annotation: Metric Unit Format STRING(8) Unit Select Unit Default Value:	onorchamer			-60005	Base unit		
60003 Conversion multi 60002 Unit name Format STRING(8) Unit Select Unit Default Value:	Default Annotation:			-60004	System of Measu		
Metric Unit -60002 Unit name Format STRING(8)	Derdart			-60003	Conversion multi		
Format STRING(8) C Unit Select Unit Default Value:		Metric Unit		-60002	Unit name		
Image: Since of the second		Format		-60001	Unit display name		
Unit Select Unit -2823 GCS CP Index CP Index Default Value: -2821 GCS CP Dindex CP Index -2821 GCS CP Shape CP Shape CP Shape -2820 GCS CP Direction CP Dir -2800 GCS Mapping Stri Att Mapping 1000 Rec_Plate_Width Width Non-Metric Unit Format C Poefault Value: Minimum Value: Assign Format Help Text: Assign Format 1 to 16 of 15 Image: Search Criteria		STRING(8)		-2824	GCS CP Quantity	CP Quant	
Default Value:		Unit Select Unit	•	-2823	GCS CP Index	CP Index	
Default Value: -2821 GCS CP Shape CP Dir Minimum Value: -2820 GCS CP Direction CP Dir Maximum Value: -2800 GCS Mapping Str Att Mapping 1000 Rec_Plate_Width Width Vidth Select Unit ✓ Format				-2822	GCS CPD Index	CPD Index	
Minimum Value: -2820 GCS CP Direction CP Dir Maximum Value: -2800 GCS Mapping Stri Att Mapping Non-Metric Unit Format 000 Rec_Plate_Width Width Vinit Select Unit Minimum Value: Help Text: Search Criteria 1 to 16 of 16 Image: Search Criteria		Default Value:		-2821	GCS CP Shape	CP Shape	
Minimum Value: -2800 GCS Mapping Str Att Mapping Maximum Value: 1000 Rec_Plate_Width Width Non-Metric Unit Format Unit Select Unit Image: Comparison of the second of the s		Malana Values		-2820	GCS CP Direction	CP Dir	
Maximum Value: 1000 Rec_Plate_Width Width Non-Metric Unit Format Image: Comparison of the second of		Minimum value:		-2800	GCS Mapping Stri	Att Mapping	
Non-Metric Unit Format Unit Select Unit Minimum Value: Maximum Value: Assign Format 1 to 16 of 16		Maximum Values		1000	Rec_Plate_Width	Width	Width
Help Text:		Non-Metric Unit Format Q Unit Select Unit Default Value: Minimum Value:	•				
Help Text:		Maximum Value:		•			•
Help Text:		Maximum value:)	_	Accion Format		1 to 15 of 15 💌	
Search Criteria	Hele Texts			Assign Format		1010010 +	
	hep text:			Search Criteria			
Commente:	Commente:			Name		Se	earch

4) 通过使用 LOV 的方式,将前面定义的 key-lov 和属性关联起来。

Attribute ID:	1003	f
Name:	Plate_Heigh	t
Short Name:	Height	
efault Annotation:	Heigth	
	Metric Unit Format	STRING(8)
	Default Value:	Format Dialog KeyLOV String Integer Real Date
	Minimum Value Maximum Value	ID: -1 Preview height10 10
	-Non-Metric Uni Format Unit	➡ height30 30 height40 40 height50 50 height100 100
	Default Value:	height200 200
	Minimum Value	KeyLOV Panel
Help Text:		OK Cancel

5) 通过搜索,可以看到自定义的属性列表

2800 CCS CP Diffection CP Diffection CP Diffection 1000 Rec_Plate_Writh Wdth REAL(8.8) Length_mm 1001 Rec_Plate_Length Length Rength REAL(8.8) Length_mm 1002 Round_Dia dia dia Real Real Real 1003 Plate_Height Height Height Height POPUP(-2) Length_mm 1004 Plate_Dia Dia dia POPUP(-2) Length_mm 1004 Plate_Dia Dia dia POPUP(-2) Length_mm	12800 GCS OF Direction OF Dir POPUP(-28.20) 2800 GCS Mapping Stri Kit Mapping STRIN(C/4) 1000 Rec.Plate_Length Length Length 1001 Rec.Plate_Length Length Dength 1002 Round_Dia dia dia REAL(8.8) Length_mm 1003 Plate_Height Height Height POPUP(-2) Length_mm 1004 Plate_Dia Dia dia POPUP(-2) Length_mm		and on provide	CO. D.		0.000110(.0000)	
2800 GCS Mapping STRUNG(74) 1000 Rec_Plate_Length 1001 Rec_Plate_Length 1002 Round_Dia 1002 Round_Dia 1003 Plate_Height 1004 Plate_Dia 1004 Plate_Dia 1005 Dia	1000 Rec.Plate_Length Length L	-2820	GCS CP Direction	CP Dir		POPUP(-2820)	
1000 Rec_Plate_Viden Widen Widen REAL(8.8) Length_mm 1001 Rec_Plate_Length Length Length REAL(8.8) Length_mm 1002 Round_Dia dia dia dia REAL(8.8) Length_mm 1003 Plate_Height Height Height POPUP(-1) Length_mm 1004 Plate_Dia Dia da POPUP(-2) Length_mm	1000 Rec_Pale_Viden Widen Widen RecAl(98) Length_mm 1001 Rec_Pale_Viden Length Length Length_mm 1002 Round_Dia dia dia RecAl(98) Length_mm 1003 Plate_Height Height Height POPUP(-1) Length_mm 1004 Plate_Dia Dia dia POPUP(-2) Length_mm	-2800	GCS Mapping Stri	Att Mapping		STRING(74)	
1001 Rec_Plate_Length Length REAL(8.8) Length_mm 1002 Round Dia dia Aga REAL(8.8) Length_mm 1003 Plate_Height Height Height POPUP(-1) Length_mm 1004 Plate_Dia Dia da POPUP(-2) Length_mm	1001 Rec_Plate_Length Length Length Relation (8.8) Length_mm 1002 Round_Dia dia dia REAL(8.8) Length_mm 1003 Plate_Height Height Heigth POPUP(-1) Length_mm 1004 Plate_Dia Dia dia POPUP(-2) Length_mm	1000	Rec_Plate_Width	Width	Width	REAL(8.8)	Length_mm
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1004 Plate_Dia Dia dia POPUP(-2) Length_mm	1004 Plate_Dia Dia dia POPUP(-2) Length_mm	1003	Plate_Height	Height	H <mark>e</mark> igth	POPUP(-1)	Length_mm
		1004	Plate_Dia	Dia	dia	POPUP(-2)	Length_mm
	Action Format 1 to 20 of 20						
		Assign For	mat				1 to 20 of 20 °
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第九章 通过 Part Family 创建 ICOs

通过 PartFamily 创建 ICOs 的步骤如下:

- 通过 Part Family 模版文件和 Class 类进行关联
- 将 Part Family 中的表达式和类中的属性进行映射

创建事例的过程主要是通过属性值进行驱动 graphics builder 生成 ug 文件。

1. 配置 graphics builder

启动安装程序 TEM,进行配置,选中 NX graphics builder。这个过程主要是在 start_nx_graphicsbuilder.bat 文件中写入了 NX 的安装路径





2. 创建 Part Family 文件

创建 NX part 文件,通过表达式创建参数化模型。

Named		-		P2= P2	•		
Name 🔺	Formula	Value	Units	Туре	Comment	Chec	
reight	20	20	mm	Number			
lole_dia	10	10	mm	Number			
Round_dia	30	30	mm	Number			
•						F	
Type Numb	er 🔽		Length				
Name					mm	-	zc
ormula							
▲ f (x)		M 🔌)	- 6			

将表达式添加到 part Family 中

Exportable Part Fami	y Template	
Available Columns		
		[Europeanieses]
		Expressions
Hole_dia		
Round_dia		
p58		
h4	d Colume	
	a oolalliin	
Chosen Columns		
DB_PART_NO		
Hole dia		
Round_dia		
height		
Rem	ove Column	
Part Family Spreadsheet		
Create	Edit	Delete
	Luit	Delete
Resume	Ca	ncel
	ОК	Cancel

通过 Add in –》Save Family 进行保存

-	0		10 -	(°I -) =						Microsoft
F	C		Home	Insert	Page Layout	Formulas	Data Re	view Vie	w Add	-Ins
n	F	PartFa	mily -							
7		Ver	ify Part							
ar		App	oly Value	s						
	L	Upo	date Part	s						
H		Create Parts Save Family			<i>f</i> ∞ DE	_PART_NO				
M					ily - 000016					
ľ		Ass	ign Part I	Numbers	В	С	D	E	F	G
Ν		Can	cel		_PART_NAME	Hole_dia	Round_dia	height		
		2				10	30) 20		
		3								
		4								

3. 附加到 Class 类

可以选择 Item 或者 Item Revision 进行附加到类。这里有三种方式完成附加操作:

Hierarchy	E Hierarchy Dictionary Key LOVs GCS Types					
📝 🗟 Classification Root 🔻 🔳	🕷 StorageClass SAM010102 [0]					
SAM Classification Root Guided Component Search (Guided Component Search (Name: RoundPlate Parent: SAM0101					
StandardParts	Class Details Class Attributes 🛴 Access Control Graphics Builder 📷 GCS CPDs					
Components [0]	Evaluate Td scripts not set 💌 Default template					
RectangularPlate Demodpleter						
Unit Definition Class [142]	Use as default template					
٠	Enabled Type name Type for child classes					
	Attributes Part Family Template Columns Hole_dia EXPRESSION 1003 Plate_Height Heigth 1004 Plate_Dis_dis_EXPRESSION bailob_EXPRESSION bailob_EXPRESSION					
2	1002 Round_Dia dia					
	<*					
▲						
No Class Image Available						
	<u> </u>					
	8 E					

- (1) 在 My Teamcenter 中复制要附加到类的 Item (Item Revision)选择 Copy 功能,切换到 Classification Admin 面板,选中指定的类,选中 Graphics Builder 选项,点击粘贴即可。
- (2) 直接在 Classification Admin 面板中选择 "select an Item or Item Revision",通过对话框 预览到选中的文件。

Template 000016-000016 💌 🔀	<mark>2</mark> 5
Template 000016-000016 ✓ Use as default template ✓ Enabled ✓ Use for child classes ✓ Attributes Pa 1003 1003 Plate_Height 1004 Plate_Dia 002 Round_Dia	Attach Item or Revision Contai X Home Home ClientCache Home ClientCache Home ClientCache Home ClientCache ClientCache Home ClientCache Home ClientCache Clie
	Constraints

(3) 通过 Import 功能,导入一个外部的 Part Family 对象。

	Justomize	📝 🗿 Cl	assification Root 💌 📃	StorageClass		SAM010102 [0]	
	» »	SAM G	Classification Root uided Component Search (Name: RoundPlate	* Parent	SAM0101	
les	» »		StandardParts Components [0]	Class Details Class Attributes Evaluate Tcl scripts not set	Access Control Graph	iics Builder 📗 GCS CPDs	
	žn -		RectangularPlate [(Template 000016-000016			
	M Imb	ort File					X
		Look in:	Documents	•	🔌 🗁 🔜 📄 👘	Item name	
			Integration Services Sc	ript Component		Attach item	
			Integration Services Sc	ript Task		C Attach item revision	
	Rece	et Items	SQL Server Managemen	nt Studio			
	~		SymbolLibrary				
			Visual Studio 2005				
	De	esktop	Visual Studio 2008				
 ≥d							
	Doc	uments I	1				

4. 属性映射

添加完毕后,通过点击刷新按钮,即可捕获到 Part Family 中的表达式。

Template 000016-000016 🔍 🔀 🐚					
Use as default template					
I Enabled					
Use for child classes					
Attributes	Part Family Template Columns	Hole_dia EXPRESSION			
1003 Plate_Height Heigth		Round_dia EXPRESSION			
1004 Plate_Dia dia		height EXPRESSION			
1002 Round_Dia dia					
		<			
		<*			
		1.18			
		>			
		>>			

通过选中表达式和 attribute 进行一一对应的映射,完成后保存即可。

	Template 000016-000016 💌 🔀	10	
J	Use as default template		
	Enabled Use for child dasses Type name		
	Attributes	Part Family Template Columns	
	10 <mark>03_</mark> Plate_Height Height	height EXPRESSION	
	1004 <mark>Plate_Dia dia</mark>	Hole_dia EXPRESSION	
II.	1002 Round_Dia dia	Round_dia EXPRESSION	
Ш			2
Ш			
Ш			<*
Ш			1.1*
1			
1			>
1			

添加完毕后,也可以通过下方的按钮进行验证操作 岸 。

如果定义的部件族表达式和类中的属性中的注释名字相同,我们还可以使用自动映射功能,快速 完成映射操作。

	, Use as default template		
	Use for child classes		
	Attributes	Part Family Template Columns	Width EXPRESSION
	1003 Plate_Height Height		Length EXPRESSION
	1004 Plate_Dia Dia		Height EXPRESSION
51	1000 Rec_Plate_Width Width		Dia EXPRESSION
	1001 Rec_Plate_Length Length		
-1			<
			<*
			<<*
			>
			>>>

Attributes	Part Family Template Columns	
1003 Plate_Height Height	Height EXPRESSION	
1004 Plate_Dia Dia	Dia EXPRESSION	
1000 Rec_Plate_Width Width	Width EXPRESSION	
1001 Rec_Plate_Length Length	Length EXPRESSION	

5. 删除 Part Family Template

如果想删除掉 PFT 文件,点击 Class 进行编辑,直接在模版文件后面点击删除。

StandardParts Components [0] RectangularPlate [0] RoundPlate [0] Unit Definition Class [142]	Class Details Class Attributes Access Control Graphics Builder GCS CPDs Evaluate Tcl scripts not set Default template Use hierarchy Template 000016-000016 X Use as default template Vise for child classes Type name		
	Attributes	Part Family Template (
	1003 Plate_Height Height	height EXPRESSION	
	1004 Plate_Dia dia	Hole_dia EXPRESSION	
	1002 Round_Dia dia	Round_dia EXPRESSION	

6. 创建 ICOs

Z Hierarchy 😕 Classification Root 🔹	💐 StorageClass	SAM010102 [0]
SAM Classification Root	Name: RoundPlate * Pa	rent: SAM0101
Components [0]	Class Details Class Attributes Access Control G Evaluate Td scripts not set T Default template Use hierarchy	raphics Bulder 👔 GCS CPDs
	Attributes 1003 Plate_Height Height 1004 Plate Dia dia	Part Family Template Columns height EXPRESSION Hole dia EXPRESSION
	1002 Round_Dia dia	Round_da EXPRESSION
No Class Image Available		Creation/Update of Classifit.
		<u></u>

切换到 Classification 模块,即可看见创建的事例。

(此处发现看不见我们定义的 ICOs,原因是模块没有放置在 Classification Roots 下面,返回到 Classification Admin 下面,将 Standard Parts Group 剪切—拷贝到 Classification Roots 下面)



7. Classification 中创建 Part Family ICOs

在 Classification 模块中,选中 ICOs,点击新建,输入必要的参数,保存。





切换到 My Teamcenter 中,可以看见 Family Members。

👝 classficationFolder
 🔒 000016
000016
😠 🧟 000016/A;1
😑 🗁 Family Members
🛨 🚼 TestID-000016
∓ 🍖 TestID2-000016
E 🔒 000017
000017
😠 🦂 000017/A;1
😑 🔂 Family Members
🖶 🔒 RectanglePlateTest-000017
Training