

SyteLine Configuration – Name Attribute – White Paper

The purpose of this white paper is to fully explain how the "Name" attribute and the naming of "Used defined" attributes effect the outputting of information through SyteLine Configuration.

When working in conjunction with the CreateNewLine Attribute – During the Processing of the model a part selection that has the CreateNewLine attribute set to TRUE, SyteLine ERP does not use the part in the BOM, but it will create a new CO/EST line item for the part. If multiple parts are selected, each having the CreateNewLine attribute set to TRUE, the above is still applicable. However, some consideration will need to be given if the items selected need to be added to the order lines in a particular order. The way that this works is SyteLine Configuration adds the line items by sorting on the Name attribute in an Alphanumeric order for each selection. In the following example I have set the CreateNewLine Attribute to TRUE for both the Wheels and Accessories:

SC Config PowerPack - bike			
<u>File Edit View Go Actions Tools Help</u> Object: Part: Wheels			
Object: Part: Wheels			
Parts 🗸	Wheels (Class)		
E All Classes	Detail: Class Attributes	Detail: Class Attributes	
Haterials Herrials Herrials Herrials	Attribute	Value	
🕀 💼 Paint Colors	Name	Wheels	
	Description	item.item	
All Purpose Aero Racing	Price	0	
💽 Ultra Thin	Quantity	2	
Off Road Echo Challenge	ComponentType	Material	
Echo Challenge Seats	GlobalComponent PrintFlag	False E	
- Carlo Accessories	OperNum	20	
Water Bottle Air Pump	CreateNewLine	True	
	PriceType	Amount 1	
Reflectors - Rear	Sequence WheelSize	5	
Reflectors - Front Deluxe Bike Rack	Qty	2	
Seat Cushion - Standard	No_Of_Spokes	0	
Seat Cushion - Racing ⊞ Handle Bars			
	Attribute OperNum as Defined on <u>Materials</u>	s Long (Default: 0)	
<u>Name Attribute</u> All Purpose Aero Racing Ultra Thin	<u>Part Number</u> SA-61500 WA-27000 WA-37000	Wheel, Assembly, 26" Wheel, Assembly, 27" Wheel, Assembly, 700mm	
Off Road	MW-61500	Wheel, Assembly, Mountain	
Echo Challenge	MW-61500	Echo Challenge	
Water Bottle Air Pump Flag Reflectors – Rear Reflectors, Front	ZAL-300 ZAL-400 FL-10000 RF-10000 RF-20000	Rack, Water-Bottle Pump, Bicycle Flag, Red-White-Blue Reflectors – Rear Reflectors, Front	
Deluxe Bike Rack	BR-20000	Bike Rack – Deluxe	

Seat Cushion – Racing

Seat Cushion – Standard CU-10000

CU-20000

Cushion, Touring, Seat

Cushion,Racing,Seat



SyteLine Configuration – Name Attribute – White Paper (cont'd)

After running the model through SyteLine the following results:

Grder Line Maintenance - DALS			
<u>File E</u> dit <u>L</u> ist <u>V</u> iew <u>A</u> ctivities <u>R</u> eports <u>U</u> tilitie	s Quic <u>k W</u> indow <u>H</u> elp)	
New Save Delete Undo	Filter Sync Duplic Refres	h Trans Calc Calend	
Order: NAttrib			
Ln# CI Item: Description:		Price: Due D Price: Prom	
1 BIKE	1.000	800.00000 08/31	1/01
Generic Bike		720.00	Get CTP
Ln# Item	Ordered Due I	Date Projected	Description
1 BIKE	1.000 08/3	31/01	Generic Bike
2 WA-27000	2.000 08/3	81/01	Wheel,Assembly,27"
3 ZAL-400	1.000 08/3	81/01	Pump,Bicycle
4 SA-61500	2.000 08/3	81/01	Wheel,Assembly,26"
5 BR-20000	1.000 08/3	81/01	Rack,Rear,Deluxe
6 MW-61500	2.000 08/3	81/01	Wheel,Assembly,Mour
7 FL-10000	1.000 08/3	81/01	Flag,Red-White-Blue 🗸
I			
Detail Drop Ship EC VAT		<u>O</u> rder	
Enter data and press [Save], or press [Undo] to cancel changes.			

As you can see line item 2 through line item 7 were added based on the Alpha sorting of the name attribute, the different part classes had no bearing on the output.



SyteLine Configuration – Name Attribute – White Paper (cont'd)

SchemaString Mapping to print text – The name attribute has the same effect in setting the order of printed lines of text. In this example I have set six different attributes that all schema map to the coitem.text field, when the model is processed if one of the parts was selected it will write each attribute Value to the customer order line text.

SC Config PowerPack - bike			
Elle Edit View Go Actions Iools Help			
Object: Part: Aero Racing	•		
	Area Daring @		
Parts -	Aero Racing (Par	ŋ	
All Classes	Detail: Part Attributes		
Additional Wheels	Attribute	Value	
All Purpose	Name	Aero Racing	
Aero Racing	Description		
Ultra Thin	PartNumber	WA-27000	
Off Road	Price	200	
Echo Challenge	Quantity	1	
🗄 🗋 Operations	ComponentType	Material	
🗄 🗋 Controls	GlobalComponent	False	
	PrintFlag	E	
	OperNum	0	
	CreateNewLine	False	
	PriceType	Amount	
	Sequence	0	
	SelectedWheelSize	12	
	🔲 WheelDia	14	
	NumberOfSpokes	50	
	01CoItemText	This is Printed Text	
	02CoItemText	Some More Text	
	03CoItemText	Even More Text	
	Part Aero Racing instance of Additional Wheels Context (Blobal		
		e from: to :	

Name Attribute	Part Number	SchemaString Attribute Name	<u>Value</u>
Aero Racing	WA-27000	SelectedWheelSixe	12
·		WheelDia	14
		NumberOfSpokes	50
		01ColtemText	This is Printed Text
		02ColtemText	Some More Text
		03ColtemText	Even More Text

When the attributes are printed, the order in which they print is ONLY based on the Alphanumeric sorting of the name attributes, again this has NO bearing on if the attributes are for one particular selection or multiple selections. It also is not dependent on the class names or sub classes names of the selections, the ONLY determining factor is the naming convention of the attribute name itself. The following shows the result of the selection of Aero Racing.



SyteLine Configuration – Name Attribute – White Paper (cont'd)

Main Menu - symix			March March
File Material Production Customer Vend	or Employee Financial Projects Quick Window	The case	R.R.
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		Set Image: Calc I	
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File Edit List View Activities Reports Uit	lilities Quick Window Help	Flow Design FSTP Help	9 9 1 1
Order: NAttrib	Name: Bikes R Us Order D	ate: 01/22/04	
Ln# CI Item: Description:	Ordered: Unit Price: Due Date UMM: Net Price: Prom. Dat	lotes 1 1	dia MA
27 🗖 test	1.000 0.00000 02/21/04	Urder Line Maintenance - symix -	Notes X
test	EA 🚮 0.00 //	Ge This is Printed Text	Common and
Summary Detail Drop Ship EC Vat		Some More Text Even More Text	
Ln# tem	Description	50 12 14	
27 test		11	Nº to
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			20
			11 12 1
Enter data or press ESC to end.			
Carrier	Carry Carry	Spell Check	OK Cancel
14 14	14 14	14 14	TA A
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As you can see the attributes starting with what appears to be a numeric have a lower ASCII value than the ones that start with a letter character so they are output first. Also, to be noted is the fact that every character is looked at for the entire name of the attribute, so the naming of attributes need to be as specific as soon as possible. If the attributes were named ColtemText01, ColtemText02, and ColtemText03 then the attribute name would not be specific until the 12 character gets checked. However, by naming them 01ColtemText, 02ColtemText, and 03ColtemText the second character differentiates the attribute name and would automatically sort it differently.

01ColtemText	This is Printed Text
02ColtemText	Some More Text
03ColtemText	Even More Text
NumberOfSpokes	50
SelectedWheelSixe	12
WheelDia	14

Conclusion: The selections "Name" attribute and the naming of "user defined" attributes are key throughout the model and might needs some special consideration in order for a model to work properly. Some things to keep in mind when concerning the name field for selections or attributes:

Do not have a Class name and a Selection within the class named exactly the same. Never use the exact same name for different classes or selections within the class. Different Classes should never have attributes being named exactly the same unless the attribute was added at a higher level and filtered down to the lower classes.