

ENOVIA Training Exercises

LCA Administration Advanced (6)

Lifecycle Customization

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Exercise

ENOVIA LCA Lifecycle Customization : Presentation



In this exercise, you will define a new Graph on your customized entity or on standard one.

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Design Intent : Lifecycle Customization

- Default Graphs
- Define your customized Graph
- Import your customized Graph
- Check the results in ENOVIA LCA

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ENOVIA LCA Lifecycle Customization : Default Graphs



In this step you will review the Default Masks.

The Package PRODUCT delivers a "DEFAULT" Graph: VPM_VPMObject.Vgrpah

That file is delivered under \$OS/reffiles/sample.

All the PRODUCT instances inherite this default graph if a new one is not attached to its

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Do It Yourself: Have a look at the VPM_VPMObject.Vgraph (1/2)

You can browse the VPM_VPMObject.VGraph file:



Do It Yourself: Have a look at the VPM_VPMObject.Vgraph (2/2)

VPM_VPMObject.VGraph file:

```
ISO-10303-21;
HEADER;
FILE_DESCRIPTION((''),'1');
FILE_NAME('VPM_VPMObject.VGraph','1999-03-29T00:00:00+00:00',(''),$,$,$,$);
FILE_SCHEMA(('ENOTEmplateSch'));
ENDSEC;
DATA;
#1=GIMaster($,$,$,$,$,$,$,$,$,$,$,$,"VPMObject_V_status',$,$,$,$,$,$,$,'','');
#2=GIVersion($,$,$,$,$,$,$,$,$,$,$,$,$,$,'---',1,'nls_WIP',$,$,$,$,#1,#10,(#10, #11, #12),$);
#10=status((#200,#201), 'nls_WIP', 'WIP');
#11=status((#202,#203), 'nls_APP', 'APP');
#11=status((#204), 'nls_REL', 'REL');
#200=transition('nls_promote', 1, 0, $, $, 'nls_APP', $);
#201=transition('nls_release', 1, 0, $, $, 'nls_REL', $);
#203=transition('nls_promote', 1, 0, $, $, 'nls_REL', $);
#203=transition('nls_demote', 1, 0, $, $, 'nls_MIP', $);
#204=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#205=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#206=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#207=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#208=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#209=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#201=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#201=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#201=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#203=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#204=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#205=transition('nls_demote', 1, 0, $, $, 'nls_APP', $);
#201=transition('nls_demote', 1, 0, $, $, 'nls_APP', $, $);
#201=transition('nls_demot
```

```
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```

Exercise

ENOVIA LCA Lifecycle customization : Define your customized Graph

15 min.

In this exercise you will define your new customized graph:

Copy / Paste the default graph

- Export the graph
- Edit it to create a new state and new transitions

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Do It Yourself: Copy / Paste the Default Graph

- You will Copy / Paste the VPM_VPMObject.Vgraph to get a template of graph code:
 - Launch ENOVIA LCA
 - Open the User Services, then the Lifecycle
 - Copy and Paste the VPMObject_V_status using the GUI contextual menu



- Call it VPMItemInstance_V_status to associate the graph to the VPMItemInstance entity and to its child entities . Save.
- Be careful, you can't associate a lifecycle graph to a VPMPartMaster, but to a VPMPartVersion

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Do It Yourself: Export your new graph

In a UNIX Emulator Window:

- Connect as the dictionary owner
- Export your graph pasted

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catstart -run "VPMGRAPHADM Export VPMItemInstance_V_status exportdirectory/exportfilename"

Do It Yourself: Edit your new Graph (1/3)

Edit it to add a new state For instance, create:

- A new state: « PRE_APP » between the WIP state and the APP one
- Define five new transitions



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Do It Yourself: Edit your new Graph (2/3)

Edit it to add a new state for instance

ISO-10303-21; HEADER; FILE_DESCRIPTION(\$,'2;1'); FILE_NAME('/home/vpm5adm/test','2001-04-23T15:39:50+02:00',\$,\$,\$,\$,\$,\$); FILE_SCHEMA(('ENOTemplateSch')); ENDSEC; DATA; #10=VPM_DATE(2001,4,23,15,13,16,0,\$) ; #11=VPM_DATE(2001,4,23,15,13,16,0,\$) ; #13=VPM_DATE(2001,4,23,15,13,16,0,\$) ; #13=VPM_DATE(2001,4,23,15,13,16,0,\$) ; #14=VPM_DATE(2001,4,23,15,13,17,0,\$) ; #12=GIMaster(\$,\$,"03AE42A6D8DCD7762",#13,#14,\$,\$,'VPM5ADM','ADMIN',\$,\$,'VPM1 temInstance_V_status',\$,\$,\$,\$,\$,\$,'','') ;

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| <pre>#9=GIVersion(\$,\$,"03AE42A6D8E04C1F1",#10,#11,\$,\$,'VPM5ADM','ADMIN',"01029843B24 0000609E3AE42A6C000D246400000007454E4F564C52345400000085644656661756C7425003 C4424D533E3C7264623E3C454E4F54656D706C617465536683E56504D50524F44554354200000 0080A9172100006F9C39A65D2C000B9080454E4F44525F475241504820202020",\$,' ',1,'nls_WIP',"01029843B24000072C23ABA13100001Bb1C00000007454E4F564C523454000 000085644655661756C7425003C4424D533E3C7264623E3C454E4F54656D706C617465536683E 56504D50524F4455435420000080A9172100006F9C39A65D2C000B9080454E4F44525F4752415 048202020202",\$,\$,#12,#1,(#1,#106,#4,#7),.T.);</pre> |
|---|
| <pre>#1=status((#101,#3),'nls_WIP','WIP') ;</pre> |
| #106=status((#103,#102,#105),'nls_PRE_APP','PRE_APP'); |
| #4=status((#5,#104),'nls_APP','APP') ; |
| #7=status((#8),'nls_REL','REL') ; |
| <pre>#3=transition('nls_release',1,0,\$,\$,'nls_REL',\$) ;</pre> |
| <pre>#5=transition('nls_promote',1,0,\$,\$,'nls_REL',\$) ;</pre> |
| <pre>#8=transition('nls_demote',1,0,\$,\$,'nls_APP',\$) ;</pre> |
| <pre>#101=transition('nls_promote',1,0,\$,\$,'nls_PRE_APP',\$) ;</pre> |
| <pre>#102=transition('nls_promote',1,0,\$,\$,'nls_APP',\$) ;</pre> |
| <pre>#103=transition('nls_demote',1,0,\$,\$,'nls_WIP',\$) ;</pre> |
| <pre>#104=transition('nls_demote',1,0,\$,\$,'nls_PRE_APP',\$);</pre> |
| <pre>#105=transition('nls_release',1,0,\$,\$,'nls_REL',\$);</pre> |
| |

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Exercise

ENOVIA LCA Lifecycle Customization : Import your Customized Graph



In this exercise you will put your Graph previously defined into the database

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Do It Yourself: VPMGRAPHADM shell

- Import the new Graph:
 - Under the installation directory /\$OS/code/command, launch the catstart shell to update your environment variables to launch the shell VPMGRAPHADM. This shell asked for the path of your mask created

catstart -run "VPMGRAPHADM Import exportfilename"

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Exercise

ENOVIA LCA Lifecycle Customization : Check the results in ENOVIA LCA



In this exercise you will have a look your customized graph in the ENOVIA LCA User Services

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Do It Yourself: ENOVIA LCA User Services

- Launch ENOVIA LCA
- Open the User Services / Lifecycle

| ENOVIA Home | Lifecycles: VPMitemInstance_V_state | tus Lifecycle Graph: |
|----------------------------|---|---|
| Links User Services | E NOVIA, Action_D6 // E NOVIA, Action_M6 ENOVIA, Action_M6 ENOVIA, Action_M6 ENOVIA, Action_R6 ENOVIA, COO_Stat ENOVIA, ECO_Stat ENOVI | ut Lifecycle Propetties: Miteministance_V_status |

- Expand the VPMItemInstance_V_status
- Check the representation of your imported graph in the graph Editor

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Do It Yourself: Product Editor

- Open the Product Editor
- Lock a VPMPartInstance
- Change its status (for instance, promote)
- Check that the value of the V_status attribute has changed