This template needs to be imported into a papyrus project (not your model project as it shouldn’t end up in Github). You then "right click" on the selected template and choose "generate documentation from gendoc". The output will be in the file you list in the "output path" below. <drop/>

<config services='TagFileBuffer'>  
<param key='model\_name' value='Vnf'/><drop/>  
<param key='user\_path' value='D:\eclipse-workspace\ONAP\_IM'/><drop/>  
<output path='${user\_path}\GenDoc\_output\${model\_name}Model-${date}.docx' /><drop/>

</config><drop/>

You need to put the appropriate path name for the input model file. Note that this is an associated UML file. Take care not to insert spaces. <drop/>

<context model='${user\_path}\${model\_name}.notation' element='{0}' importedBundles='gmf;papyrus' /><drop/>

<gendoc><drop/>

## Diagrams

[for (d : notation::Diagram |notation::Diagram.allInstances()->sortedBy(name))]<drop/>

### [d.name/]

<image object='[d.getDiagram()/]' maxW='true' keepH='false' keepW=’false’ ><drop/>

</image>

[/for]<drop/>

</gendoc><drop/>

You need to put the appropriate path name for the input model file. Note that this is an associated UML file. Take care not to insert spaces. <drop/>

<context model=’${user\_path}\${model\_name}.uml’ element=’{0}’ importedBundles='gmf;papyrus' />

<gendoc><drop/>

## Classes

[for (cl:Class | self.eAllContents(Class)->sortedBy(name))]<drop/>

### [cl.name/]

[for (co:Comment | cl.ownedComment)]<drop/>

<dropEmpty>[co.\_body.clean()/]</dropEmpty>

[/for]<drop/>

[if (cl.oclAsType(uml::Classifier).general->notEmpty())]<drop/>

**Parent class:** [cl.oclAsType(uml::Classifier).general ->asSequence()->first().name/]

[/if]<drop/>

Applied stereotypes:

[for (st:Stereotype | cl.getAppliedStereotypes())]<drop/>

* [st.name/]

[for (oa:Property|st.ownedAttribute)]<drop/>

* [if (not oa.name.contains('base'))][oa.name/]: [if (not cl.getValue(st, oa.name).oclIsUndefined())][if oa.name.contains('condition')][cl.getValue(st, oa.name).oclAsType(String)/] [else] [if oa.name.contains('reference')][cl.getValue(st, oa.name).oclAsType(String)/] [else] [cl.getValue(st, oa.name).oclAsType(EnumerationLiteral).name/][/if][/if][else]<drop/>[/if]

[/if] <drop/>

[/for]<drop/>

[/for]<drop/>

[if cl.ownedAttribute->notEmpty()]<drop/>

<table><drop/>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Mult.** | **Stereotypes** | **Description** |

[for (p:Property|cl.allAttributes())]<drop/>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [p.name/] | [p.type.name/] | [if(p.lower=p.upper)]1[else][p.lower/]..[if(p.upper=-1)]\*[else][p.upper/][/if][/if] | [for (st:Stereotype | p.getAppliedStereotypes())]<drop/>  [st.name/]  [for(oa:Property|st.ownedAttribute)]<drop/>   * [if oa.name.contains('attribute')]AVC: [p.getValue(st, oa.name).oclAsType(EnumerationLiteral).name/]   [else]<drop/>   * [if oa.name.contains('isInvariant')]isInvariant: [p.getValue(st, oa.name).oclAsType(Boolean)/]   [else]<drop/>   * [if oa.name.contains('value')]valueRange: [if (not p.getValue(st, oa.name).oclIsUndefined())][p.getValue(st, oa.name).oclAsType(String).clean()/][else] no range constraint [/if]   [else]<drop/>   * [if oa.name.contains('support')]support: [p.getValue(st, oa.name).oclAsType(EnumerationLiteral).name/]   [else]<drop/>   * [if oa.name.contains('condition')][if (not p.getValue(st, oa.name).oclIsUndefined())]condition:[p.getValue(st, oa.name).oclAsType(String).clean()/][else] <drop/> [/if]   [else]<drop/>   * [if oa.name.contains('passedByRef')] [if (not p.getValue(st, oa.name).oclIsUndefined())][p.getValue(st, oa.name).oclAsType(Boolean)/][else] undefined [/if]   [else]<drop/>   * [if oa.name.contains('reference')][if (not p.getValue(st, oa.name).oclIsUndefined())]reference:[p.getValue(st, oa.name).oclAsType(String).clean()/][else] <drop/> [/if]   [else]<drop/>  [/if]<drop/>  [/if]<drop/>  [/if]<drop/>  [/if]<drop/>  [/if]<drop/>  [/if]<drop/>  [/if]<drop/>  [/for]<drop/>  [/for]<drop/> | [for (c:Comment | p.ownedComment)] <drop/>  [c.\_body.clean()/]  [/for] |

[/for]<drop/>

</table><drop/>

[else][/if]<drop/>

[/for]<drop/>

## Associations

[for (as:Association | self.eAllContents(Association))]<drop/>

### [as.name/]

[for (co:Comment | as.ownedComment)]<drop/>

<dropEmpty>[co.\_body.clean()/]</dropEmpty>

[/for]<drop/>

Applied stereotypes:

[for (st:Stereotype | as.getAppliedStereotypes())]<drop/>

* [st.name/]

[for (oa:Property|st.ownedAttribute)]<drop/>

* [if (not oa.name.contains('base'))][oa.name/]: [if (not as.getValue(st, oa.name).oclIsUndefined())][if oa.name.contains('condition')][as.getValue(st, oa.name).oclAsType(String)/] [else] [if oa.name.contains('reference')][as.getValue(st, oa.name).oclAsType(String)/] [else] [as.getValue(st, oa.name).oclAsType(EnumerationLiteral).name/][/if][/if][else]<drop/>[/if]

[/if] <drop/>

[/for]<drop/>

[/for]<drop/>

[if as.memberEnd->notEmpty()]<drop/>

<table><drop/>

| **Attribute Name** | **Aggreg.** | **Navig.** | **Mult.** | **Type** | **Description** | **Stereotypes** |
| --- | --- | --- | --- | --- | --- | --- |

[for (p:Property|as.memberEnd)]<drop/>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| [p.name/] | [p.aggregation/] | [if (p.isNavigable())]<drop/>  Navig.[else]<drop/>  Not navig. [/if] | [if(p.lower=p.upper)]1[else][p.lower/]..[if(p.upper=-1)]\*[else][p.upper/][/if][/if] | [if (not (p.type.name.oclIsUndefined()))]<drop/>  [p.type.name/]  [/if] | [if (p.ownedComment->notEmpty())]<drop/>  [for (c:Comment | p.ownedComment)]<drop/>  [c.\_body.cleanAndFormat()/]  [/for] <drop/>  [/if] | [for (st:Stereotype | p.getAppliedStereotypes()->sortedBy(name))]<drop/>  [st.name/]  [for(oa:Property|st.ownedAttribute)]<drop/>   * [if (not oa.name.startsWith(‘base\_’))][oa.name/][if (not p.getValue(st,oa.name).oclIsUndefined())][if ( p.getValue(st,oa.name).oclIsTypeOf(EnumerationLiteral))]: [p.getValue(st,oa.name).oclAsType(EnumerationLiteral).name/][else]: [p.getValue(st,oa.name).toString().clean()/][/if][else]<drop/> [/if][else]<drop/> [/if]   [/for]  [/for] |

[/for]<drop/>

</table><drop/>

[else][/if]<drop/>

[/for]<drop/>

## Data Types

[for (dt:DataType | self.eAllContents(DataType)->sortedBy(name))]<drop/>

[if dt.oclIsTypeOf(DataType)]<drop/>

### [dt.name/]

[for (co:Comment | dt.ownedComment)]<drop/>

<dropEmpty>[co.\_body.clean()/]</dropEmpty>

[/for]<drop/>

Applied stereotypes:

[for (st:Stereotype | dt.getAppliedStereotypes())]<drop/>

* [st.name/]

[for (oa:Property|st.ownedAttribute)]<drop/>

* [if (not oa.name.contains('base'))][oa.name/]: [if (not dt.getValue(st, oa.name).oclIsUndefined())][if oa.name.contains('reference')][dt.getValue(st, oa.name).oclAsType(String)/] [else][/if][else]<drop/>[/if]

[/if] <drop/>

[/for]<drop/>

[/for]<drop/>

[if dt.ownedAttribute->notEmpty()]<drop/>

<table><drop/>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute Name** | **Type** | **Mult.** | **Access** | **Stereotypes** | **Description** |

[for (p:Property|dt.allAttributes())]<drop/>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| [p.name/] | [p.type.name/] | [if(p.lower=p.upper)]1[else][p.lower/]..[if(p.upper=-1)]\*[else][p.upper/][/if][/if] | [if(not(p.isReadOnly))]RW[else]R[/if] | [for (st:Stereotype | p.getAppliedStereotypes())]<drop/>  [st.name/]  [for(oa:Property|st.ownedAttribute)]<drop/>   * [if oa.name.contains('attribute')]AVC: [p.getValue(st, oa.name).oclAsType(EnumerationLiteral).name/]   [else]<drop/>   * [if oa.name.contains('isInvariant')]isInvariant: [p.getValue(st, oa.name).oclAsType(Boolean)/]   [else]<drop/>   * [if oa.name.contains('value')]valueRange: [if (not p.getValue(st, oa.name).oclIsUndefined())][p.getValue(st, oa.name).oclAsType(String).clean()/][else] no range constraint [/if]   [else]<drop/>   * [if oa.name.contains('support')]support: [p.getValue(st, oa.name).oclAsType(EnumerationLiteral).name/]   [else]<drop/>   * [if oa.name.contains('condition')][if (not p.getValue(st, oa.name).oclIsUndefined())]condition:[p.getValue(st, oa.name).oclAsType(String).clean()/][else] <drop/> [/if]   [else]<drop/>   * [if oa.name.contains('passedByRef')] [if (not p.getValue(st, oa.name).oclIsUndefined())][p.getValue(st, oa.name).oclAsType(Boolean)/][else] undefined [/if]   [else]<drop/>  [/if]<drop/>  [/if]<drop/>  [/if]<drop/>  [/if]<drop/>  [/if]<drop/>  [/if]<drop/>  [/for]<drop/>  [/for]<drop/> | [for (c:Comment | p.ownedComment)] <drop/>  [c.\_body.clean()/]  [/for] |

[/for]<drop/>

</table><drop/>

[else][/if]<drop/>

[else][/if]<drop/>

[/for]<drop/>

## Enumerations

[for (dt:DataType | self.eAllContents(DataType)->sortedBy(name))]<drop/>

[if dt.oclIsTypeOf(Enumeration)]<drop/>

### [dt.name/]

[for (co:Comment | dt.ownedComment)]<drop/>

<dropEmpty>[co.\_body.clean()/]</dropEmpty>

[/for]<drop/>

Contains Enumeration Literals:

[for (e:EnumerationLiteral|dt.oclAsType(Enumeration).ownedLiteral)]<drop/>

* [e.name/]:
  + [for (co:Comment | e.ownedComment)]<drop/>
  + <dropEmpty>[co.\_body.clean()/]
  + </dropEmpty>[/for]<drop/>

[/for]<drop/>

[else] [/if]<drop/>

[/for]<drop/>

</gendoc><drop/>