

**Re: [onap-discuss] Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.**

onap-discuss@lists.onap.org <onap-discuss@lists.onap.org>

on behalf of

Ajay Deep Singh via lists.onap.org <ajay.deep.singh=est.tech@lists.onap.org>

Thu 8/20/2020 10:01 AM

**To:** onap-sdc@lists.onap.org <onap-sdc@lists.onap.org>; onap-discuss@lists.onap.org <onap-discuss@lists.onap.org>; Zu Qiang <zu.qiang@ericsson.com>  
++Zu

Regards,  
Ajay

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**From:** onap-discuss@lists.onap.org <onap-discuss@lists.onap.org> on behalf of Ajay Deep Singh via lists.onap.org <ajay.deep.singh=est.tech@lists.onap.org>

**Sent:** Wednesday, August 19, 2020 3:41 PM

**To:** onap-sdc@lists.onap.org <onap-sdc@lists.onap.org>; onap-discuss@lists.onap.org <onap-discuss@lists.onap.org>

**Subject:** Re: [onap-discuss] Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.

Hi Xue, Christophe,

As it was discussed in weekly meeting please can you share more details on this JIRA : SDC-3090 (Error Updating VSP in a resource template for PNF). I find you Xue assigning JIRA to your Id, are you implementing changes for the support of PNF, VNF..?

Otherwise please can you highlight on why there exist this limitation for PNF, VNF..? and how can we mitigate this limitation.

Regards,  
Ajay

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**From:** onap-discuss@lists.onap.org <onap-discuss@lists.onap.org> on behalf of Ajay Deep Singh via lists.onap.org <ajay.deep.singh=est.tech@lists.onap.org>

**Sent:** Saturday, August 8, 2020 2:20 PM

**To:** onap-sdc@lists.onap.org <onap-sdc@lists.onap.org>; onap-discuss@lists.onap.org <onap-discuss@lists.onap.org>

**Subject:** Re: [onap-discuss] Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.

Hi SDC Team, All,

Please have a check on below issue.

Trying to confirm SDC behaviour for one usecase.  
Any pointers would be very much appreciated!

Regards,  
Ajay

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**From:** Ajay Deep Singh <ajay.deep.singh@est.tech>  
**Sent:** Wednesday, August 5, 2020 5:10 PM  
**To:** onap-sdc@lists.onap.org <onap-sdc@lists.onap.org>; Closset, Christophe <christophe.closset@intl.att.com>  
**Cc:** Sonsino, Ofir <ofir.sonsino@intl.att.com>; Zu Qiang <zu.qiang@ericsson.com>; Shlosberg, Yuli <yuli.shlosberg@intl.att.com>; James Cuddy <james.cuddy@est.tech>; Anderson Ribeiro <anderson.ribeiro@est.tech>; Michael Morris <michael.morris@est.tech>; ml636r@att.com <ml636r@att.com>  
**Subject:** Re: Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.

Hi All,

++ [onap-sdc@lists.onap.org](mailto:onap-sdc@lists.onap.org)

Please have a look on below mail chain, looking for existing SDC behaviour on one of usecase, where encountering issue details are mentioned in JIRA SDC-3090 (Error Updating VSP in a resource template for PNF).

Any pointers would be very much appreciated!

Regards,  
Ajay

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**From:** Closset, Christophe <christophe.closset@intl.att.com>  
**Sent:** Wednesday, August 5, 2020 2:49 PM  
**To:** Ajay Deep Singh <ajay.deep.singh@est.tech>; onap-sdc@lists.onap.org <onap-sdc@lists.onap.org>  
**Cc:** Sonsino, Ofir <ofir.sonsino@intl.att.com>; Zu Qiang <zu.qiang@ericsson.com>; Shlosberg, Yuli <yuli.shlosberg@intl.att.com>; James Cuddy <james.cuddy@est.tech>; Anderson Ribeiro <anderson.ribeiro@est.tech>; Michael Morris <michael.morris@est.tech>; ml636r@att.com <ml636r@att.com>  
**Subject:** Re: Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.

Hi ajay

I m off this week, pls use sdc mailing list so that all team members can have a look

Le 5 août 2020 10:43, Ajay Deep Singh <ajay.deep.singh@est.tech> a écrit :  
Hi Christophe, Ofir,

I am looking for help on one of SDC issue request you to please put this Bug : SDC-3090 (Error Updating VSP in a resource template for PNF) in agenda for next week SDC weekly meeting so that we can discuss more on it.

Details for bug are described in JIRA SDC-3090, and analysis as described in below mail, need to confirm existing SDC behaviour on one of usecase.

Regards,  
Ajay

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**From:** Ajay Deep Singh <ajay.deep.singh@est.tech>

**Sent:** Friday, July 31, 2020 2:02 PM

**To:** Shlosberg, Yuli <yuli.shlosberg@intl.att.com>; christophe.closset@intl.att.com <christophe.closset@intl.att.com>; ml636r@att.com <ml636r@att.com>; Sonsino, Ofir <ofir.sonsino@intl.att.com>; Nachmias, Lior <lior.nachmias@intl.att.com>

**Cc:** James Cuddy <james.cuddy@est.tech>; Anderson Ribeiro <anderson.ribeiro@est.tech>; Michael Morris <michael.morris@est.tech>

**Subject:** Re: Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.

Hi Yuli,

we have debuged it further and can find: if we have different resource name in **pnf\_main\_descriptor.yaml** file present inside CSAR package then use case works without issue.

**Please can you or any in mail chain confirm if this should be required condition for input on updating VSP Package with new CSAR patch..??**

I am attaching CSAR Packages for reference.

File format example:

sample-pnf-1.0.1-**SNAPSHOT\_1**.csar

content of pnf\_main\_descriptor.yaml :

topology\_template:

node\_templates:

myPnf:

type: toasca.nodes.nfv.PNF  
properties:  
  descriptor\_id: b1bb0ce7-ebca-4fa7-95ed-4840d70a2233  
  function\_description: Acme PNF  
  provider: Acme  
  version: 1.0  
  descriptor\_invariant\_id: 1111-2222-ccaa-bbdd  
  name: Acme PNF

**pnfExtCp\_1:**

type: toasca.nodes.nfv.PnfExtCp  
properties:  
  trunk\_mode: false  
  layer\_protocols: [ ipv4 ]  
  role: leaf  
  description: External connection point to access Acme myPnf  
requirements:  
  - dependency: myPnf

\*\*\*\*\*

sample-pnf-1.0.1-**SNAPSHOT\_2**.csar

  content of pnf\_main\_descriptor.yaml :

topology\_template:

  node\_templates:

    myPnf:

      type: toasca.nodes.nfv.PNF  
      properties:  
        descriptor\_id: b1bb0ce7-ebca-4fa7-95ed-4840d70a2233  
        function\_description: Acme PNF  
        provider: Acme  
        version: 1.0  
        descriptor\_invariant\_id: 1111-2222-ccaa-bbdd  
        name: Acme PNF

**pnfExtCp\_2:**

type: toasca.nodes.nfv.PnfExtCp  
properties:

trunk\_mode: false  
layer\_protocols: [ ipv4 ]  
role: leaf  
description: External connection point to access Acme myPnf  
requirements:  
- dependency: myPnf

Regards,  
Ajay

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**From:** Ajay Deep Singh <ajay.deep.singh@est.tech>  
**Sent:** Thursday, July 30, 2020 9:56 AM  
**To:** Shlosberg, Yuli <yuli.shlosberg@intl.att.com>; ml636r@att.com <ml636r@att.com>; christophe.closset@intl.att.com <christophe.closset@intl.att.com>  
**Cc:** James Cuddy <james.cuddy@est.tech>; Nachmias, Lior <lior.nachmias@intl.att.com>; Sonsino, Ofir <ofir.sonsino@intl.att.com>  
**Subject:** Re: Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.

Hi Yuli,

Sorry for late follow up on this issue.

I carried out debugging and can find **ComponentInstance** is created making use of **Resource** instance on which most values for attributes are null, Resource Instance is framed by fetching **getLatestCertifiedNodeTypeByToscaResourceName(..)** probably from Db, not sure if Resource Instance should have Null values or not.

I would request if you can share convenient time as per your time zone today, I can schedule meeting where we can meet and build some understanding to resolve this issue..?

*Resource Instance:*

Resource(derivedFrom=[org.openecomp.resource.cp.nodes.network.Port], derivedList=[org.openecomp.resource.cp.v2.extCP, org.openecomp.resource.cp.nodes.network.Port, tosca.nodes.network.Port, tosca.nodes.Root], derivedFromMapOfIdToName={517edee6-2100-43d6-b55d-25e6876a29dc=org.openecomp.resource.cp.v2.extCP, 5cf3bf9e-8cc4-4d43-a4aa-99f15145adad=org.openecomp.resource.cp.nodes.network.Port, 6c804eda-5268-455c-be95-949443f25aa1=tosca.nodes.network.Port, 2921822b-f9c2-47cb-8576-6599262601f5=tosca.nodes.Root}, attributes=  
**[PropertyDefinition [**

**PropertyDataDefinition**(uniqueId=attribute.2921822b-f9c2-47cb-8576-6599262601f5.tosca\_name, type=string, required=false, definition=false, defaultValue=null, description=null, schema=null, password=false, name=tosca\_name, value=null, label=null, hidden=false, immutable=false, inputPath=null, status=null, inputId=null, instanceUniqueId=null, propertyId=null, parentPropertyType=null, subPropertyInputPath=null, annotations=null, parentUniqueId=517edee6-2100-43d6-b55d-25e6876a29dc, getInputValues=null, isDeclaredListInput=false, getPolicyValues=null, propertyConstraints=null), name=tosca\_name, constraints=null]],  
**PropertyDefinition** [ **PropertyDataDefinition**(uniqueId=attribute.2921822b-f9c2-47cb-8576-6599262601f5.state, type=string, required=false, definition=false, defaultValue=null, description=null, schema=null, password=false, name=state, value=null, label=null, hidden=false, immutable=false, inputPath=null, status=null, inputId=null, instanceUniqueId=null, propertyId=null, parentPropertyType=null, subPropertyInputPath=null, annotations=null, parentUniqueId=517edee6-2100-43d6-b55d-25e6876a29dc, getInputValues=null, isDeclaredListInput=false, getPolicyValues=null, propertyConstraints=null), name=state, constraints=null]], **PropertyDefinition** [ **PropertyDataDefinition**(uniqueId=attribute.2921822b-f9c2-47cb-8576-6599262601f5.tosca\_id, type=string, required=false, definition=false, defaultValue=null, description=null, schema=null, password=false, name=tosca\_id, value=null, label=null, hidden=false, immutable=false, inputPath=null, status=null, inputId=null, instanceUniqueId=null, propertyId=null, parentPropertyType=null, subPropertyInputPath=null, annotations=null, parentUniqueId=517edee6-2100-43d6-b55d-25e6876a29dc, getInputValues=null, isDeclaredListInput=false, getPolicyValues=null, propertyConstraints=null), name=tosca\_id, constraints=null]]], toscaVersion=null)

**ComponentInstanceDataDefinition** [icon=null, uniqueId=null, name=null, normalizedName=null, componentUid=517edee6-2100-43d6-b55d-25e6876a29dc, creationTime=null, modificationTime=null, description=null, posX=null, posY=null, propertyValueCounter=1, attributeValueCounter=1, inputValueCounter=1, originType=null, customizationUUID=null, componentName=null, componentVersion=null, toscaComponentName=null, directives =]

Regards,  
Ajay

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**From:** Shlosberg, Yuli <yuli.shlosberg@intl.att.com>

**Sent:** Thursday, July 2, 2020 9:55 AM

**To:** Ajay Deep Singh <ajay.deep.singh@est.tech>; ml636r@att.com <ml636r@att.com>; Sonsino, Ofir <ofir.sonsino@intl.att.com>

**Cc:** James Cuddy <james.cuddy@est.tech>; Nachmias, Lior <lior.nachmias@intl.att.com>

**Subject:** RE: Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.

Hi Ajay,

I'm good thank you, sorry for late response I was OOO in last few days.

Regarding your question, it seems that <instance 1> has many null attributes (e.g. uniqueId, normalizedName ) and I think that the main problem is some ware in begin of this flow.

Try to debug it again and find how you get a < componentInstanceTMap > that include instance with nulls.

BR,  
Yuli

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**From:** Ajay Deep Singh <ajay.deep.singh@est.tech>  
**Sent:** Wednesday, July 1, 2020 8:25 PM  
**To:** Shlosberg, Yuli <yuli.shlosberg@intl.att.com>; ml636r@att.com; Sonsino, Ofir <ofir.sonsino@intl.att.com>  
**Cc:** James Cuddy <james.cuddy@est.tech>  
**Subject:** Re: Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.

Hi All,

Any one had a chance to go throught below mail...?

Regards,  
Ajay

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**From:** Ajay Deep Singh  
**Sent:** Monday, June 29, 2020 4:45 PM  
**To:** [ys9693@att.com](mailto:ys9693@att.com) <[ys9693@att.com](mailto:ys9693@att.com)>; [ml636r@att.com](mailto:ml636r@att.com) <[ml636r@att.com](mailto:ml636r@att.com)>; [ofir.sonsino@intl.att.com](mailto:ofir.sonsino@intl.att.com) <[ofir.sonsino@intl.att.com](mailto:ofir.sonsino@intl.att.com)>  
**Cc:** James Cuddy <[james.cuddy@est.tech](mailto:james.cuddy@est.tech)>  
**Subject:** Regarding SDC-3090 (Error Updating VSP in a resource template for PNF) Looking for Help.

Hi Yuli, All,

Hope you are doing good.

Regarding JIRA : [SDC-3090](#) thought of checking with you finding you as committer for [SDC-2724](#) might help in quickly resloving issue.

While trying to update a VSP of a PNF Resource a 500 Server Error is encountered, see screenshot in JIRA attached.

Steps :

1. Onboarding package: onboarding-package-1.csar
2. Package to update with: onboarding-package-2.csar

On debugging can find there is comparasion made between two instance of **ComponentInstanceDataDefinition** probably new and Odl related to VSP package.

**Instance 1 :**

```
{ComponentInstance@15757} "ComponentInstanceDataDefinition [icon=network, uniqueId=null, name=pnfExtCp_1, normalizedName=null, componentUid=dceb80be-95e4-4d21-b2c5-c4f557fcccec, creationTime=null, modificationTime=null, description=null, posX=null, posY=null, propertyValueCounter=1, attributeValueCounter=1, inputValueCounter=1, originType=null,
```

```
customizationUUID=null, componentName=null, componentVersion=null, toscaComponentName=null, directives =]" -> {Resource@15758}
"Resource(derivedFrom=[org.openecomp.resource.cp.nodes.network.Port], derivedList=[org.openecomp.resource.cp.v2.extCP,
org.openecomp.resource.cp.nodes.network.Port, tosca.nodes.network.Port, tosca.nodes.Root], derivedFromMapOfIdToName={dceb80be-
95e4-4d21-b2c5-c4f557fcccec=org.openecomp.resource.cp.v2.extCP, 7f98971d-2bb3-445f-af3a-
c9ffb9a7fcb8=org.openecomp.resource.cp.nodes.network.Port, fc2a8de1-f0be-4ede-b7ce-b3e4edb49c7f=tosca.nodes.network.Port,
e0835ece-c04b-44d6-bebd-ace92cafa155=tosca.nodes.Root}, attributes=[PropertyDefinition [
PropertyDataDefinition(uniqueId=attribute.e0835ece-c04b-44d6-bebd-ace92cafa155.tosca_name, type=string, required=false,
definition=false, defaultValue=null, description=null, schema=null, password=false, name=tosca_name, value=null, label=null,
hidden=false, immutable=false, inputPath=null, status=null, inputId=null, instanceUniqueId=null, propertyId=null, parentPropertyType=null,
subPropertyInputPath=null, annotations=null, parentUniqueId=dceb80be-95e4"
```

### **Instance 2 :**

```
{ComponentInstance@15759} "ComponentInstanceDataDefinition [icon=network, uniqueId=109e6142-c4b4-45b9-ad3c-
ee0dd4ba8580.dceb80be-95e4-4d21-b2c5-c4f557fcccec.pnfextcp_1, name=pnfExtCp_1, normalizedName=pnfextcp_1,
componentUid=dceb80be-95e4-4d21-b2c5-c4f557fcccec, creationTime=1593439153060, modificationTime=1593439153116,
description=null, posX=489.5, posY=339.5, propertyValueCounter=1, attributeValueCounter=null, inputValueCounter=null, originType=CP,
customizationUUID=3f4e16fc-e289-4c22-988d-2a47057dcbc6, componentName=ExtCP2, componentVersion=1.0,
toscaComponentName=org.openecomp.resource.cp.v2.extCP, directives =]" -> {Resource@15758} "Resource(derivedFrom=
[org.openecomp.resource.cp.nodes.network.Port], derivedList=[org.openecomp.resource.cp.v2.extCP,
org.openecomp.resource.cp.nodes.network.Port, tosca.nodes.network.Port, tosca.nodes.Root], derivedFromMapOfIdToName={dceb80be-
95e4-4d21-b2c5-c4f557fcccec=org.openecomp.resource.cp.v2.extCP, 7f98971d-2bb3-445f-af3a-
c9ffb9a7fcb8=org.openecomp.resource.cp.nodes.network.Port, fc2a8de1-f0be-4ede-b7ce-b3e4edb49c7f=tosca.nodes.network.Port,
e0835ece-c04b-44d6-bebd-ace92cafa155=tosca.nodes.Root}, attributes=[PropertyDefinition [
PropertyDataDefinition(uniqueId=attribute.e0835ece-c04b-44d6-bebd-ace92cafa155.tosca_name, type=string, required=false,
definition=false, defaultValue=null, description=null, schema=null, password=false, name=tosca_name, value=null, label=null,
hidden=false, immutable=false, inputPath=null, status=null, inputId=null, instanceUniqueId=null, propertyId=null, parentPropertyType=null,
subPropertyInputPath=null, annotations=null, parentUniqueId=dceb80be-95e4"
```

In Class : **NodeTemplateOperation** >> in below method >> *I see one operation is redundant and executed twice and fails on validateInstanceNames Method on*

```
>>> at CommonUtility.addRecordToLog(log, LogLevelEnum.DEBUG, "Component instance with the name {} already exists. Cannot add component instance. ", instance.getName());
```

Above is the content of Map: **componentInstanceTMap** hold 2 instances. **As the Name field has same Name for both Instance it fails is there a problem with creation of ComponentInstanceDataDefinition ..? Or should the Name check should not happen?? Please can you guide some details on it.**

Regards,  
Ajay

```
public <T extends Component> Map<String, ComponentInstanceDataDefinition>
associateComponentInstancesToComponent(
    Component containerComponent, Map<ComponentInstance, T> componentInstanceTMap, GraphVertex
containerVertex,
    boolean allowDeleted, boolean isUpdateCsar) {

    String containerId = containerComponent.getUniqueId();
    Map<String, ComponentInstanceDataDefinition> instancesJsonData;
    Either<GraphVertex, JanusGraphOperationStatus> updateElement = null;
    if (!validateInstanceNames(componentInstanceTMap)) {
        throw new StorageException(StorageOperationStatus.INCONSISTENCY);
    }
    if (!validateInstanceNames(componentInstanceTMap)) {
        throw new StorageException(StorageOperationStatus.INCONSISTENCY);
    }

    if (!allowDeleted) {
        if (!validateDeletedResources(componentInstanceTMap)) {
            throw new StorageException(StorageOperationStatus.INCONSISTENCY);
        }
    }
}
```

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