

Hi Juan and Juan!

sorry for going technical and with many questions but I'm trying to keep my them as general as possible for others to benefit.

1) Can we consider the vManageGUI as a separate component that talks to vManage, vSmart, and vBond "separately" in the SD-WAN brain?

2) Once the SD-WAN brain (vSmart/vBond/vManage) is up and running I use **show control connections** and **show orchestrator connections** to check that they can see one another. In my seetup it seems everything is fine. I noticed that vSmart and vManage cannot see the vBond's system IP whereas the same output's command on vBond does show that it sees the system-ip of vSmart and vManage and I would like to know if it is normal or not and in case if I have to take action and how.

```
vsmart#  
vsmart#  
vsmart# show control connections
```

INDEX	PEER TYPE	PEER PROT	PEER SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP
0	vbond	dtls	0.0.0.0	0	0	1.3.25.2
0	vmanage	dtls	10.3.3.1	11	0	1.4.28.101
1	vbond	dtls	0.0.0.0	0	0	1.3.25.2

```
vsmart#
```

```
vmanage# show control connections
```

INDEX	PEER TYPE	PEER PROT	PEER SYSTEM IP	PEER CONFIGURED SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP
0	vsmart	dtls	10.3.3.3	10.3.3.3	12	1	1.3.25.6
0	vbond	dtls	10.3.3.2	10.3.3.2	0	0	1.3.25.2
1	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2
2	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2
3	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2
4	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2
5	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2
6	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2
7	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2

```
vmanage#
```

So my question is: is it normal that vSmart doesn't see the vBond's system-ip and site-id and the vManage sees the vBond's system-id and site-id only on one connection and not all the others?

3) It's not clear to me if **show control connections-history** reports only errors or also success in connection. If everything is OK what should I see in the output of such command?

This is the output from vSmart as an example

INSTANCE	PEER TYPE	PEER PROTOCOL	PEER SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP	PEER PRIVATE PORT	PEER PUBLIC IP	PEER PUBLIC PORT	PEER REMOTE COLOR	STATE	LOCAL ERROR	REMOTE ERROR	REPEAT COUNT	DOWNTIME
0	vmanage	dtls	10.3.3.1	11	0	1.4.28.101	12346	1.4.28.101	12346	default	tear_down	DISTLOC	NOERR	0	2021-01-20T23:22:03+0000
0	vbond	dtls	0.0.0.0	0	0	1.3.25.2	12346	1.3.25.2	12346	default	tear_down	DISTLOC	NOERR	0	2021-01-20T23:22:03+0000
0	vbond	dtls	0.0.0.0	0	0	1.3.25.2	12346	1.3.25.2	12346	default	connect	DONFAIL	NOERR	8	2021-01-20T23:10:25+0000
1	vbond	dtls	0.0.0.0	0	0	1.3.25.2	12346	1.3.25.2	12346	default	tear_down	DISTLOC	NOERR	0	2021-01-20T23:22:03+0000
1	vbond	dtls	0.0.0.0	0	0	1.3.25.2	12346	1.3.25.2	12346	default	connect	DONFAIL	NOERR	8	2021-01-20T23:10:25+0000

and this from vmanage

```
EMBARGOFAIL - Embargo check failed
```

INSTANCE	PEER TYPE	PEER PROTOCOL	PEER SYSTEM IP	PEER CONFIGURED SYSTEM IP	SITE ID	DOMAIN ID	PEER PRIVATE IP	PEER PRIVATE PORT	PEER PUBLIC IP	PEER PUBLIC PORT	PEER REMOTE COLOR	STATE	LOCAL ERROR	REMOTE ERROR	REPEAT COUNT	ORGANIZATION	DOWNTIME
0	vsmart	dtls	10.3.3.3	10.3.3.3	12	1	1.3.25.6	12346	1.3.25.6	12346	default	up	EXTDOWN	DISTLOC	0	GIONFA_GRP	2021-01-20T23:22:03+0000
0	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2	12346	1.3.25.2	12346	default	connect	DONFAIL	NOERR	20		2021-01-20T23:10:25+0000
1	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2	12346	1.3.25.2	12346	default	connect	DONFAIL	NOERR	20		2021-01-20T23:10:25+0000
1	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2	12346	1.3.25.2	12346	default	connect	DONFAIL	NOERR	20		2021-01-20T23:10:25+0000
4	vbond	dtls	0.0.0.0	-	0	0	1.3.25.2	12346	1.3.25.2	12346	default	connect	DONFAIL	NOERR	20		2021-01-20T23:10:25+0000

Do the output above show problems or the health of the system is OK?

4) I read that once the vSmart-vManage-VBond are installed on the Vmanage's GUI we have to issue the following command

<https://vmanage-GUI/dataservice/system/device/sync/rootcertchain>

but it's not clear to me its purpose. Would you be so kind to explain, please?

MTIA!

Gio