

It Should be

Relative capacity for MME pool:

- MME1 =255
- MME2=1

Relative capacity for AMF pool:

- AMF1=255
- AMF2=1

Thanks

Ashok Gumpu

Comments

Comment by [Marija Skrekovski](#) [2024-11-13]

The text is updated in the UCC Redundancy description document. The new version (PB1) is available in EriDoc.

[UCC_PLM-152] Relative path used for UCA CSAR Package Preparation Created: 2024-11-08 Updated: 2025-04-23 Resolved: 2025-04-23

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.1-rc1
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Defect code_qmt:	3- Usability
Sprint:	UCC XFT2 Sprint 2
Detected in phase:	PDU
Team/s:	UCC_XFT2
Severity_qmt:	4-Low/Cosmetic
Found in Build:	UCC Appliance 1.0.1-rc1
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

In UCC - Software Installation Guide, 2024-09-06, Rev "", part of UCC 1.0.1 (CP1) release candidate 1 (2024-11-08), chapter 12.1 UCA CSAR Package Preparation, bullet 4 and 6 use relative paths:

```
zip -g $software_dir/EDA/eric-act-uca-1.63.128.csar \
Definitions/TOSCA.yaml
```

```
unzip -j /data/software/EDA/eric-act-uca-1.63.128.csar \
Definitions/OtherTemplates/eric-act-cna-1.63.128-6.tgz
```

The commands fail unless the user converts them to absolute paths or changes directory.

Comments

Comment by [Arron Kuang](#) [2024-11-27]

Hi,

Step 4 command updated to:

```
zip -g $software_dir/EDA/eric-act-uca-1.63.128.csar \
```

```
$software_dir/EDA/Definitions/TOSCA.yaml
```

Step 6 separated into 2 commands:

```
cd $software_dir/EDA/
```

```
unzip -j eric-act-uca-1.63.128.csar \
```

```
Definitions/OtherTemplates/eric-act-cna-1.63.128-6.tgz
```

[UCC_PLM-151] UCC PCX False enodeB status in PCX CLI print Created: 2024-11-07 Updated: 2025-03-28 Resolved: 2025-03-24

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rishi Shekhar	Assignee:	Adrian-Bogdan Iliescu
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	0h		
Time Spent:	5h		
Original Estimate:	Not Specified		

Attachments:	 20250220_TC-TAx-abc-LTE_S1Setup_eNBid-47.pcapng 20250221_TC-TAx-abc-LTE_S1Setup_eNB-restart-eNBid-88.log 20250306_TC-TAx-abc-LTE_S1Setup_eNB-restart-eNBid-47.log 20250306_TC-TAx-abc-LTE_S1Setup_eNB-restart-eNBid-47.pcapng 20250307_TC-TAx-abc-LTE_S1Setup_eNBid-47-86_restart.bl.deb.log 20250307_TC-TAx-abc-LTE_S1Setup_eNBid-47-86_restart.bl.deb.pcapng 20250307_TC-TAx-abc-LTE_S1Setup_eNBid-86-47_restart.bl.deb.log 20250307_TC-TAx-abc-LTE_S1Setup_eNBid-86-47_restart.bl.deb.pcapng image-2025-02-26-10-16-31-698.png image-2025-03-05-10-37-32-316.png image-2025-03-05-10-39-12-759.png image-2025-03-06-14-27-54-311.png image-2025-03-06-14-28-40-833.png image-2025-03-06-14-40-53-967.png image-2025-03-06-14-41-16-204.png image-2025-03-07-09-45-06-163.png image-2025-03-07-09-47-25-216.png image-2025-03-07-09-49-46-506.png image-2025-03-11-14-09-53-221.png image-2025-03-12-14-33-43-995.png MCN_enodB-1_status-1.JPG MCN_enodB-2_status-1.JPG MCN-EnodeB_false_status.7z
Defect code_qmt:	1- Functional
Sprint:	UCC XFT2 Sprint 6, UCC XFT2 Sprint 7
Team/s:	UCC_XFT2
Severity_qmt:	3- Medium
Found in Build:	UCC Appliance 1.0.0
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hi All,

In MCN Steup- We are observing false status for enodeB on PCX cli print.

UCC- deployed with 1.0 GA release.

One observation on the PCX-mme with a hanging printout for enodeB status.

```
system_admin@pcx-ccda#show mm mme global-enodeb
```

mm mme global-enodeb 244-99-Macro-89

enodeb-assoc-id 26

enodeb-name BB6631-004-LTE

- enodeb-status connected*

equipment-position 3.1

last-enodeb-status-update 2024-10-16,16:45:31

sctp-end-point-no 1

sctp-inst 0

en-gnb-connected no

system_admin@pcx-ccda#
system_admin@pcx-ccda#

Macro-89 does not exist anymore. It was earlier integrated but now this radio does not exist in the setup.
We tested the connectivity with the new baseband- Macro-4. The printout correctly changes for the Macro-4, but the entry in the list with Macro-89 never changes, and even still indicates "connected".

Attached the sctp status collected from PCX cli, Adp logs & ITC for sctp logs from PCX for your reference.

Comments

Comment by [Adrian-Bogdan Iliescu](#) [2025-03-24]

I'll close also this ticket,

with status Rejected as required logs have not been provided

Comment by [Adrian-Bogdan Iliescu](#) [2025-03-24]

[Dapeng Liu](#)

Unfortunately only my colleagues can reproduce the issue and for the moment they are busy with environment preparation.

I agree with you to close the TR and my colleagues can open other when they have an environment to test and reproduce for you.

Comment by [Dapeng Liu](#) [2025-03-24]

Hi, [Adrian-Bogdan Iliescu](#)

If you can't reproduce it recently, i will close this TR.

Once you have time to reproduce and catch log, you can reopen it.

Comment by [Mursal Farooq](#) [2025-03-20]

Dear all, We have already scratched the UCC 1.0 RC2 with LFD-1 and the deployment is ongoing. Once we have the UCC LFD1 deployed and call testing is ok, we will try to r our Lab.

Comment by [Adrian-Bogdan Iliescu](#) [2025-03-17]

Hi,

[Bengt-Dirk Heye](#) , [Mursal Farooq](#) as you have the environment prepared, can you please help our colleague with his request from this TR: [[PCTR-91434] [UCC] PCX False e MME CLI print - PDU Packet Core JIRA|https://pdupc-jira.internal.ericsson.com/browse/PCTR-91434]?

Thank you

Comment by [Adrian-Bogdan Iliescu](#) [2025-03-13]

Hi [Dapeng Liu](#),

Unfortunately I don't have access to that environment where my colleagues is reproducing the issue, I would say that [Bengt-Dirk Heye](#) or [Mursal Farooq](#) can help you... The info that I shared earlier related to SCTP sar it is the default config that we have in UCC.

Thank you

Comment by [Dapeng Liu](#) [2025-03-13]

Hi, [Adrian-Bogdan Iliescu](#)

Thanks for your replies.

You forget my question about the heartbeat in #187

Comment by [Adrian-Bogdan Iliescu](#) [2025-03-12]

Hi,

At this moment this functionality is off, if it helps we can enable it.

mm s1-mme S1

sctp-association-reestablishment false

Comment by [Dapeng Liu](#) [2025-03-12]

hi, [Adrian-Bogdan Iliescu](#)

One question from SCTP expert

do you enable SAR feature in MME?

1.1.31 -sar SctpAssociationReestablishment

The SctpAssociationReestablishment parameter enables the MME to re-establish SCTP associations, when the MME detects lost SCTP associations on the S1-MME interface respectively. The SCTP association can be lost, for example, because of SCTP failure or IP network disturbance, and the MME re-establishes the SCTP associati

Note: If the SctpAssociationReestablishment parameter is set to true, Ericsson recommends changing the value of the Ericsson eNodeB parameter s1RetryTimer to value of 30. For eNodeBs of other vendors, Ericsson recommends decreasing the parameter corresponding to the Ericsson eNodeB parameter s1RetryTimer to

Comment by Dapeng Liu [2025-03-11]

hi, Bengt-Dirk Heye

Ok, i will involve SCTP expert into this issue.

I see in #187 there is heartbeat from MME before INIT(#188) and ENB didn't answer.

Why? I think ENB should reply abort or ack for it.

179 2025-03-07 14:42:54.45173.. 10.87.50.10	10.87.34.195	SCTP	130	0x00097a5b	HEARTBEAT
180 2025-03-07 14:42:54.45205.. 10.87.34.195	10.87.50.10	SCTP	130	0x0156994c	HEARTBEAT_ACK
181 2025-03-07 14:42:56.65127.. 10.87.50.10	10.87.34.195	SCTP	130	0x00097a5b	HEARTBEAT
182 2025-03-07 14:42:56.65150.. 10.87.34.195	10.87.50.10	SCTP	130	0x0156994c	HEARTBEAT_ACK
183 2025-03-07 14:42:58.85181.. 10.87.50.10	10.87.34.195	SCTP	130	0x00097a5b	HEARTBEAT
184 2025-03-07 14:42:58.85208.. 10.87.34.195	10.87.50.10	SCTP	130	0x0156994c	HEARTBEAT_ACK
185 2025-03-07 14:43:01.05174.. 10.87.50.10	10.87.34.195	SCTP	130	0x00097a5b	HEARTBEAT
186 2025-03-07 14:43:01.05197.. 10.87.34.195	10.87.50.10	SCTP	130	0x0156994c	HEARTBEAT_ACK
187 2025-03-07 14:43:07.62834.. 10.87.34.195	10.87.50.10	SCTP	130	0x0156994c	HEARTBEAT
188 2025-03-07 14:44:55.51413.. 10.87.50.10	10.87.34.195	ICMP	186	0x00000000	INIT
189 2025-03-07 14:44:55.51434.. 10.87.34.196	10.87.50.10	ICMP	186	0x00000000	Destination unreachable (Protocol unreach)
190 2025-03-07 14:44:55.71411.. 10.87.50.10	10.87.34.195	SCTP	78	0x00000000	INIT
191 2025-03-07 14:44:55.71427.. 10.87.34.196	10.87.50.10	ICMP	106	0x00000000	Destination unreachable (Protocol unreach)
192 2025-03-07 14:44:56.11421.. 10.87.50.10	10.87.34.195	SCTP	78	0x00000000	INIT
193 2025-03-07 14:44:56.11437.. 10.87.34.196	10.87.50.10	ICMP	106	0x00000000	Destination unreachable (Protocol unreach)
194 2025-03-07 14:44:56.51379.. 10.87.50.10	10.87.34.195	SCTP	78	0x00000000	INIT
195 2025-03-07 14:44:56.51396.. 10.87.34.196	10.87.50.10	ICMP	106	0x00000000	Destination unreachable (Protocol unreach)

Comment by Bengt-Dirk Heye [2025-03-08]

Hello Dapeng,

we see already from the provided restart trace that the BB newly initiates the association with the INIT and COOKIE procedure, i.e., previously established associations are not maintained over a restart.

If the MME still probes the old association with Heartbeats, it might happen that during the INIT procedure by the BB, the BB will react with ABORT. So, there is no guarantee that the reaction will always be an ABORT.

RFC 4960 provides an example how Endpoint Z (MME) can anyway detect that Endpoint A (BB) has restarted:

<https://www.rfc-editor.org/rfc/rfc4960.html#section-5.2.4.1>

So, 1) is not correct: old SCTP connections are not maintained over restarts, and MME can find out about the BB restart.

2) A Shutdown occurs in different situations, when e.g. from BB side via OAM command the S1 termination is blocked (graceful shutdown), which has nothing to do with restarting. ABORT might only be the reaction to a received Heartbeat for an unknown association.

The RFC explains that an SCTP endpoint is a combination of one or multiple IPs and a single port number, and an association can be uniquely identified by the transport addresses of the endpoints in the association.

The MME is obviously not able to detect that the hanging and the new printout both relate to the same uniquely identifiable association, and creates two printouts just because the protocol (S1AP) on the BB side provides a changed value for the parameter eNB-id. The RFC also says: Two SCTP endpoints MUST NOT have more than one SCTP association at any given time.

So the MME should decide on one of the two printouts, if they relate to the same SCTP association, and use the most recent application layer information (eNB-id from S1AP).

Further traces for a BB restart with eNB-id change, I think, do not provide more information, but I attach logs anyway:

20250307_TC-TAx-abc-LTE_S1Setup_eNBId-47-86_restart_bl_deb.pcapng

20250307_TC-TAx-abc-LTE_S1Setup_eNBId-47-86_restart_bl_deb.log

20250307_TC-TAx-abc-LTE_S1Setup_eNBId-86-47_restart_bl_deb.pcapng

20250307_TC-TAx-abc-LTE_S1Setup_eNBId-86-47_restart_bl_deb.log

Comment by Dapeng Liu [2025-03-07]

Hi, Bengt-Dirk Heye

In your new log, i didn't see any ENB id changed. What you provided is a normal case. It has been verified by the status shown in previous logs.

Time	Source	Destination	Protocol	Length	m-TMSI	macroENB-ID	Verification tag	Info
5 2025-03-06 07:49:18.74476.. 10.87.50.10	10.87.34.195	S1AP	122	0002f0	0x008bbdb8b			S1SetupRequest
7 2025-03-06 07:49:18.74552.. 10.87.34.195	10.87.50.10	S1AP	122		0x018d63da			S1SetupResponse
37 2025-03-06 07:49:49.25118.. 10.87.50.10	10.87.34.195	S1AP	138	000040,0002f0	0x008bbdb8b			ENBConfigurationTransfer
69 2025-03-06 07:50:24.25443.. 10.87.50.10	10.87.34.195	S1AP	138	000040,0002f0	0x008bbdb8b			ENBConfigurationTransfer
125 2025-03-06 07:53:25.25241.. 10.87.50.10	10.87.34.195	S1AP	122	0002f0	0x003b6d4b			S1SetupRequest
127 2025-03-06 07:53:25.87004.. 10.87.34.195	10.87.50.10	S1AP	122		0x01dc5b47			S1SetupResponse
157 2025-03-06 07:53:56.38611.. 10.87.50.10	10.87.34.195	S1AP	138	000040,0002f0	0x003b6d4b			ENBConfigurationTransfer

If ENB ID changed, how ENB treats the old SCTP association?

My previous question:

I see for ENB 47, the verification tag is 0x00e237aa

macroENB-ID	Verification tag	Info
0002f0	0x00e237aa	S1SetupRequest
	0x019855e1	S1SetupResponse

And for ENB 88, the verification tag is 0x00f0179c

macroENB-ID	Verification tag	Info
000580	0x00f0179c	S1SetupRequest
	0x01325fb9	S1SetupResponse

They didn't use same SCTP association.

My question is

After BB restart, how ENB treats the SCTP association for ENB 47?

did event shutdown or abort happen?

My analysis:

Now we can proof that, if ENB sends abort to MME, MME can set the status of ENB as disconnected.

And you also said, MME can detect the SCTP lost and then set the status of ENB as disconnected.

In MME side, we have local test cases for them. I think our MME supports these function.

Now there are three possible reasons:

1. When BB restart just after ENB id changed, your SCTP device can't map the new ENB ID with the old SCTP association, then initiates a new SCTP association and keep association alive. So MME can't know the changes of old ENB.
2. Your SCTP device sent the abort or shutdown for old SCTP association but our SCTP device has bug or can't support it, then it didn't notify application to change the state.
3. our application has bug and didn't change to status

Now I have confirmed the possible reason 3, it works well, we have local test cases. Once application received notification from SCTP device, we will change the status.

I need you to help to confirm the possible reason 1. if you can confirm that "abort" or "shutdown" happened, i will involve SCTP expert into this case.

Thanks.

BR.

Comment by Bengt-Dirk Heye [2025-03-06]

Hello Dapeng,

when the BB comes up after the restart, an Abort message can be sent from the BB in response to a Heartbeat message from the MME (see trace: 20250306_TC-TAx-abc-LTE-restart-eNBid-47.pcapng).

If the restart would take very long, and the MME already stopped sending Heartbeat messages after assoc-max-rtx, the MME would consider the association to be down, it would change enodeb-status to disconnected, and an Abort message can not be expected, but just new Init and Coockie procedures which bring new Verification tags.

In the case that I traced the enodeb-status did not change to disconnected and the enodeb-assoc-id remained unchanged (even though the Verification tags changed for S1SetupRequest, see log: 20250306_TC-TAx-abc-LTE_S1Setup_eNB-restart-eNBid-47.log).

Comment by Dapeng Liu [2025-03-06]

Hi, Bengt-Dirk Heye

Thanks for your replies.

With your indication, I checked the PCAPs.

I see for ENB 47, the verification tag is 0x00e237aa

macroENB-ID	Verification tag	Info
0002f0	0x00e237aa	S1SetupRequest
	0x019855e1	S1SetupResponse

And for ENB 88, the verification tag is 0x00f0179c

macroENB-ID	Verification tag	Info
000580	0x00f0179c	S1SetupRequest
	0x01325fb9	S1SetupResponse

They didn't use same SCTP association.

My question is

After BB restart, how ENB treats the SCTP association for ENB 47?

did event shutdown or abort happen?

MME application changed ENB status according to SCTP layer's notification.

I guess if the SCTP Association for ENB 47 is still alive, the MME will think the ENB is still connected.

And about the enodeb associd, i also didn't know.

I checked our local test environment, the aids are also repeated.

ps Class	Identifiers	name	ens	date	eqp	sctpInst	aid	no	egnc
A global_enodeb	-geni 123-456-Macro-1	eNodeB_1	connected	2025-03-06,03:13:39	1.1	0	300	1	no
A global_enodeb	-geni 123-456-Macro-2	eNodeB_2	connected	2025-03-06,03:04:05	1.5	4	243	1	no
A global_enodeb	-geni 123-456-Macro-3	eNodeB_3	connected	2025-03-06,03:04:05	1.1	0	301	1	no
A global_enodeb	-geni 123-456-Macro-4	eNodeB_4	connected	2025-03-06,03:04:05	1.5	4	244	1	no
A global_enodeb	-geni 123-456-Macro-6	eNodeB_6	connected	2025-03-06,03:04:05	1.3	1	300	1	no
A global_enodeb	-geni 123-765-Macro-7	eNodeB_7	connected	2025-03-06,03:04:05	1.5	4	245	24	no
A global_enodeb	-geni 440-51-Macro-10	eNodeB_10	connected	2025-03-06,03:04:05	1.1	0	302	1	no

I can ask for advice about it to our SCTP expert, but I think this is no relation with this case.

Comment by [Bengt-Dirk Heye](#) [2025-03-05]

Hello Dapeng,

please, be aware that we only deal with a single ENB with changing eNb-IDs. Find the below information from the log file:

mm mme global-enodeb 244-99-Macro-**47**

last-enodeb-status-update **2025-02-20**,16:46:02

and the **first** .pcapng trace **20250220_TC-TAx-abc-LTE_S1Setup_eNBId-47.pcapng**

When you then follow the information in the log file, you will find the further steps (change enbid, restart BB, block/un-block S1 termination) together with the **second** .pcapng **20250221_TC-TAx-abc-LTE_S1Setup_eNB-restart-eNBId-88.log**

I am unclear whether the enodeb-assoc-id is a PCC internally generated ID or based on externally received information. Please, observe from the log file that the same ID can change after a BB restart. Later, after block/un-block of the S1 termination (Macro-88), the enodeb-assoc-id changes to something different (7683).

mm mme global-enodeb 244-99-Macro-47 -- Hanging P/O

enodeb-assoc-id **7637**

mm mme global-enodeb 244-99-Macro-88 -- NEW eNB

enodeb-assoc-id **7637**

Just for information: I could verify that the enodeb-status can indeed also changes from connected to disconnected if the SCTP Heartbeat message exchange is blocked, i.e. any S1 Reset message. That means that a connectivity issue should not lead to a hanging printout.

Comment by Dapeng Liu [2025-03-05]

Hi, Bengt-Dirk Heye

The PCAP is not mapped with the reproduced case

The problem is reproducible:

1) Establish S1 connection for BB-007 with eNBId=47 so that the MME global-enodeb p/o lists an enodeb with eNBId=47 and enodeb-status=connected

2) Change eNBId in BB from 47 to 88 and restart the BB so that a new S1SetupRequest is triggered from BB-007 but with eNBId=88. MME global-enodeb p/o now has two entries for BB-007, one with eNBId=47 and a new one with eNBId=88. Both entries show enodeb-status=connected, but with a different enodeb-assoc-id

When now blocking/un-blocking the S1 Termination from BB side, a Reset and new S1SetupRequest is triggered, and enodeb-status in MME correctly changes to disconnected and back to connected for the p/o entry with the eNBId=88.

The earlier MME entry global-enodeb p/o with eNBId=47 is now a hanging printout due to invalid enodeb-status=connected, and will never be removed.

in the PCAP, I can't see the message for the first ENB. I only see the messages for the second ENB.

Sequence	Source	Destination	Type	Length	Time	Message ID	Info
1	2025-02-21 14:08:24.08998	10.87.50.10	S1AP	600	2025-02-21 14:08:24.08998	000580	S1SetupRequest
2	2025-02-21 14:08:14.69359	10.87.54.195	S1AP	122	2025-02-21 14:08:14.69359	000580	S1SetupResponse
3	2025-02-21 14:08:45.12618	10.87.54.195	S1AP	138	2025-02-21 14:08:45.12618	000580,000580	ENBConfigurationTransfer
4	2025-02-21 14:07:20.12415	10.87.50.10	S1AP	138	2025-02-21 14:07:20.12415	000580,000580	ENBConfigurationTransfer
5	2025-02-21 14:08:25.13011	10.87.50.10	S1AP	138	2025-02-21 14:08:25.13011	000580,000580	ENBConfigurationTransfer
6	2025-02-21 14:09:44.56998	10.87.54.195	S1AP	86	2025-02-21 14:09:44.56998		Reset [Misc-cause=Om-Intervention]
7	2025-02-21 14:09:44.57976	10.87.54.195	S1AP	90	2025-02-21 14:09:44.57976		ResetAcknowledge
8	2025-02-21 14:11:08.54641	10.87.50.10	S1AP	122	2025-02-21 14:11:08.54641	000580	S1SetupRequest
9	2025-02-21 14:11:08.54891	10.87.54.195	S1AP	122	2025-02-21 14:11:08.54891	000580	S1SetupResponse
10	2025-02-21 14:11:39.05644	10.87.50.10	S1AP	138	2025-02-21 14:11:39.05644	000580,000580	ENBConfigurationTransfer
11	2025-02-21 14:12:14.06098	10.87.50.10	S1AP	138	2025-02-21 14:12:14.06098	000580,000580	ENBConfigurationTransfer

I need know, what is the relation for the two ENBs.

In code aspect, I have guessed out that how to fix it. This is why I told Lulu to report a TR for it.

But I need confirm the flow then I can confirm the fixing can really work for your case.

In MME, if s1 setup request came in same SCTP but ENB id is different, our SCTP device will ignore it. So I think the case happened is different.

Could you help to provide the PCAP mapped with the reproduced flow?

Otherwise, i can also provide the fixing but I need you to help to verify the fixing.

And, with your operation, are s1ap links kept in radio side?

Comment by Bengt-Dirk Heye [2025-03-04]

Hello Dapeng,

please, find the .pcapng traces and the .log file, which were already attached to this ticket on 2025-02-21.

It can be noted that the enodeb printout with the information fields "last-enodeb-status-update" and "enodeb-status" are not based on information from the SCTP layer, but layer protocol S1AP.

An S1AP S1SetupRequest message provides the eNB-ID and causes the enodeb-status=connected.

Manual intervention on the ENB (blocking the S1 termination) triggers a S1AP Reset message which causes the enodeb-status=disconnected.

I am in doubt that the implementation has a direct interface between the SCTP layer and the printout handling module, which could provide sctp status information. I would dismantling an ENB, which was in enodeb-status=connected, by pulling the TN link cable first and preventing further S1AP messages, but definitely taking down the SCTP a leave such hanging printout.

The PCC, in this respect, has to be regarded as immature and unreliable, if as many hanging printouts can be created as someone likes to, just by operating an external nod

Comment by Dapeng Liu [2025-03-04]

Hi, Bengt-Dirk Heye

Do you have the PCAP for your reproduced case?

I have checked our SCTP implement, if ENB id is different but using same SCTP, our MME will reject the second.

I didn't know the implement of eNB, could you help to explain whether SCTP is impacted or not if BB restart

Comment by [Adrian-Bogdan Iliescu](#) [2025-03-03]

I set the status to block as we are waiting for TR feedback!

Thank you

Comment by [Adrian-Bogdan Iliescu](#) [2025-02-27]

I opened this TR:

[PCTR-91434] UCC PCX False enodeB status in PCX CLI print - PDU Packet Core JIRA

Comment by [Mursal Farooq](#) [2025-02-27]

[Lulu Wang](#), Hello Lulu, Yes, its the same enb, only the enbid was changed. No traffic, how does it matter?? its for the SCTP status connection??

Comment by [Lulu Wang](#) [2025-02-27]

Hi,

Was there traffic on the old RAN before you changed its global eNB ID?

Was it actually the same eNB , but only with Global eNB ID changed?

Comment by [Zhigang Han](#) [2025-02-26]

Hi team,

We are from UCC PLM team. We have given the suggestion how to avoid the issue:

please delete unused enodeb entry to avoid the issue.

[Adrian-Bogdan Iliescu](#), Could you open a ticket from your side towards PCC design team if you believe it is a software issue?

Thanks,

BR/Zhigang

Comment by [Mursal Farooq](#) [2025-02-26]

@[Zhigang Han](#) , Request you to please check on this issue and for your comments please. Regards, Mursal

Comment by [Adrian-Bogdan Iliescu](#) [2025-02-26]

Hi [Mursal Farooq](#),

I don't know why I got this ticket, I'm part of UCC team and what I see in the comments it seems to be a software fault and [Zhigang Han](#) said that will assign it to the design [Zhigang Han](#) can comment ...

Comment by [Mursal Farooq](#) [2025-02-26]

[Adrian-Bogdan Iliescu](#) , Bengt is on leave , allow me to feedback. Yes, its a general practice to change enbid keeping the IP's and other aspects same. Could you please share could be fixed?

Comment by [Adrian-Bogdan Iliescu](#) [2025-02-26]

[Bengt-Dirk Heye](#)

Is this a normal way of working in production, do you think that the customers will change the enodebs IDs (while keeping the enodeIPs and other details)?

Comment by [Bengt-Dirk Heye](#) [2025-02-21]

The problem is reproduceable:

1) Establish S1 connection for BB-007 with eNBid=47 so that the MME global-enodeb p/o lists an enodeb with eNBid=47 and enodeb-status=connected

2) Change eNBid in BB from 47 to 88 and restart the BB so that a new S1SetupRequest is triggered from BB-007 but with eNBid=88. MME global-enodeb p/o now has two entries one with eNBid=47 and a new one with eNBid=88. Both entries show enodeb-status=connected, but with a different enodeb-assoc-id

When now blocking/un-blocking the S1 Termination from BB side, a Reset and new S1SetupRequest is triggered, and enodeb-status in MME correctly changes to disconnected for the p/o entry with the eNBid=88.

The earlier MME entry global-enodeb p/o with eNBid=47 is now a hanging printout due to invalid enodeb-status=connected, and will never be removed.

Comment by [Meryam Nachi](#) [2025-02-17]

Hi Rajan,

we will check if this is still valid with new SW versions in UCC 1.1.

Comment by [Rajan Rajeshprasad Gupta](#) [2025-02-11]

Hello [Meryam Nachi](#)

Do you have update on ticket?

Comment by [Zhigang Han](#) [2024-12-11]

Hi Bengt,

MME will keep the old entry of enodeb for 48 hours. I am thinking macro 4 brings back in 48 hours so from MME side, we had the old 89 and new 4 entries when the issue uses sctp heartbeat or keepalive messages to check the connection status. The new ID 4 used the same SCTP IPs as the old ID 89 yes? The configuration overlaps plus this 4 policy might be the cause of the issue.

here is the suggestion for the real customer environment:

if we do not use any old enodeb, we remove the entry from MME side manually right away, otherwise MME will clean up the old entry after 48 hours which might cause some

And also I have requested some tests from MCN testing team:

1, disable all enodebs

2, delete all the entries from mme side

3, enable the new enodeb then check mme global-enodeb status

MME will automatically create the new entry if any enodeb sends out the S1 initial request. Once the entry is created from mme side, mme will use sctp heartbeat to update status.

if enodeb 89 is still there, we will for sure need to open the ticket to mme design team.

I have reassigned the ticket to the design team and let us see what is the input from the design side.

Thanks,

BR/Zhigang

Comment by [Bengt-Dirk Heye](#) [2024-12-11]

BB6631-004-LTE had been reinstalled, keeping the same eNodeB Name and Type = Macro, but changing the eNBId from 89 to 4.

BB6631-007 (Type=Macro, eNBId=47) is a physically different baseband and not related to the hanging printout.

The reinstalled BB6631-004-LTE with eNBId=4 properly changes the enodeb-status between connected and disconnected, when deblocking/blocking the S1 termination fro

The hanging p/o from that same physical BB6631-004-LTE with eNBId=89 (from before the reinstallation), should at least have changed the enodeb-status to disconnected. IPv4 addresses for the SCTP connection were probably the same before and after the reinstallation (need to double check).

The corrupted data structure behind the hanging p/o still exists. With a forceful cleanup the hanging p/o will be gone, but also the information of this data structure.

Comment by [Zhigang Han](#) [2024-12-11]

Hi Rajan and Rishi,

I am assigning the ticket to our design team now. I would like to have their input on the issue.

Thanks,

BR/Zhigang

Comment by [Zhigang Han](#) [2024-12-11]

Hi Rajan and Rishi,

Here are more questions from my side:

1, how does MCN team remove macro 89?

2, after removing macro 89, MCN team creates macro 4 right away yes? then the team identified the issue.

The possible solution is after removing enodeb, we could delete global-enodeb entry from our side as we discussed.

The delete-global-enodeb command deletes eNodeBs that have been disconnected longer than a certain amount of hours (0-48).

mme will keep the old enodeb entry for 48 hours and if the new enodeb uses the old configuration of enodeb 89. we might have the issue to see both enodebs are connect

If we disable all enodebs and delete all the enodeb entries from mme, let the enodeb reconnect to MME. If the issue is still there, I will push the ticket to the design, otherwise it is caused by either there are some overlap of configuration from enodeb side, or mme policy to keep the old entry for 48 hours before removing it.

Thanks,

BR/Zhigang

Comment by [Zhigang Han](#) [2024-12-11]

Hi Rajan and Rishi,

one test from MCN testing team could do:

if they could delete all enodebs, and also if we could refresh the pod related to these enodeb sctp connections, then please check this macro 4/47/89 connection status.

I believe from MME side, the pod is called pc mm sctp.

Thanks,

BR/Zhigang

Comment by [Zhigang Han](#) [2024-12-11]

Hi Rajan,

from CPI, here is what I see:

`action_mme_delete_global_enodeb -geni GlobalENodeBToDelete -hrs MinHoursSinceENodeBConnected`

You probably could find more information about how to remove unwanted enodeb from mme side from PCX CPI.

4G MME has been there for so many years. I doubt if we still have this similar issue from the customer environment, however I will see if I could find something from the de:

Have you checked the sctp trace between mme and enodeb? I believe mme flags the node is connected if the heartbeat or keepalive message is there. MME will creates the if the initial S1 setup is successfully done.

what I want is if MCN team could check macro 4/47/89 baseband configuration. I am thinking macro 4 and macro 89 have the similar configuration except ID.

Thanks,

BR/Zhigang

Comment by [Rajan Rajeshprasad Gupta](#) [2024-12-11]

Hello [Zhigang Han](#)

Thank you for feedback.

Please help to know how to "forcefully remove the unused enodeb".

There is no alarm in MME.

Please let me know if you need any more logs.

It seems to be some struct process in PCC-MM, Good to check if there is any known issue in software or can you take up to verify.

Comment by [Zhigang Han](#) [2024-12-11]

hi Rajan and Rishi,

one question from my side:

Could we forcefully remove the unused enodeb status configuration from mme side if the node is not there??

I do see there is one tcpdump attached related to sctp but I have no idea these IPs belongs to which node.

one more thing: Have you attached the output of alarms with the ticket? I didnot see the alarms

Thanks,

BR/zhigang

Comment by [Zhigang Han](#) [2024-12-11]

Hi Rajan and Rishi,

how mme decides if enodeb is connected it is the key for the issue:

Once enodeb is booted it will send out S1 setup request and mme will return S1 setup response. if everything is ok, mme will flag the enodeb as connected. after the initial : connection, MME and enodeb will use sctp heartbeat and keepalive message over S1 interface.

to raise the sctp alarm, failed to receive heartbeat or keepalive message for a period of time, mme should raise the alarm and also may flag as disconnected, however if mac have the same sctp IPs, it might cause MME side confused yes?

what are sctp IPs for macro 4/47/89 and sctp ips from mme side? Have you checked sctp traffic between enodeb and mme?

from one screenshot, I could see both macro 4 and 89 flag as connected from mme side. probably there is sctp communication there. That is the reason I ask you to check s

from another screenshot, macro 89 flagged as connected. probably there is sctp communication there. we need to check sctp between enodeb and mme to see what is goin

My concern: this is our test environment. we might reuse many resources due to the limitation which might cause the unnecessary issue. In the real customer, probably they enodeb name (maybe something else) in the the different baseband configuration.

thanks,

BR/Zhigang

Comment by [Rajan Rajeshprasad Gupta](#) [2024-12-11]

[Zhigang Han](#)

Added Bengt in ticket to give you more information.

!Z!

There is no alarm related to the Macro-89.

However, for the gNodeB 47 and the eNodeB Macro 4 you find alarms due to their SCTP status:

!Z!

Comment by [Zhigang Han](#) [2024-12-10]

hi Rishi,

Could you ask MCN team about what is the status of enodeb from PCX right now? I do not think we have this kind of setup from PLM side, so probably we could not duplicate

one thing I notice from the screen shot which you provided:

enodeb name is the identical for macro4 and macro 89 which you reported the issue. I believe the configuration of enodeb name from baseband side confuses PCX side.

enodeb name for macro4 and macro 89 is all called **BB6631-004-LTE**

the connection without any issue is macro 47 with the different enodeb name **BB6631-007-NR**.

one thing Rishi:

could you ask MCN testing team about macro 47? Please try to understand what is the difference among macro 4, macro 47 and macro 89 in term of baseband's configuration
For example, if sctp front end IPs are changed from macro 47 to macro 89 or 4?

And ask MCN team updates enodeb name, I would like to see if the issue is gone or not after the enodeb name is updated. Could you ask them to perform the test?

Thanks,
BR/Zhigang

[UCC_PLM-150] Document: UCC Technical Overview - Incorrect statement about on storing of subscriber data for Policies Created: 2024-11-05 Updated: 2025-04-24 Resolved:

2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Mats Persson	Assignee:	Meryam Nachi
Resolution:	Closed	Votes:	0
Labels:	documentation		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Severity_qmt:	4-Low/Cosmetic
Found in Build:	UCC Appliance 1.0.0
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

In [Ericsson Ultra Compact Core - Technical Overview](#), chapter 3.4.2.6 it is stated "the PCF accesses information relevant to policy decisions - including the subscriber profile - in the Unified Data Repository (UDR).".

This is not correct. Both policy data and subscriber profile related to policies are stored in PCF for UCC 1.0.

Please update this statement.

Comments

Comment by Mats Persson [2025-04-24]

Old TR, written before current TR process was established.

This is already updated in the latest version of the document, <https://erilink.internal.ericsson.com/eridoc/erl/objectId/09004cffd5c10d0e?docno=22102-FGM101198%2F1&option=download&format=msw12>. TR can be closed.

Comment by Åsa Preuss [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

BR Åsa

[UCC_PLM-149] Access issue with CCPC SWGW ticket T-154312 for UCC deployments Created: 2024-11-04 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Medium
Reporter:	Mats Persson	Assignee:	Meryam Nachi

Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1, UCC_Appliance_1.0.1_RN		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Detected in phase:	Production
Workaround:	Our SDI & engagement team (Jossy/Ahmed/Madhu/Andreas) and PLM team need to be aware of this to help the MAs/CUs to request access to the CCPC SW ticket.
Severity_qmt:	3- Medium
Found in Build:	UCC 1.0.0
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

We have got an unwanted issue with SW ticket access for the CCPC SW used in UCC 1.0.

CCPC PDU supply team has decided to only allow restricted and manually approved access to the SW ticket [T-154312](#) due to some issues affecting the "normal" Core Network customers but not UCC.

Normally a customer / customer account will automatically get access to the SW ticket when they have ordered a UCC system (handled by the ordering & license systems).

We should add a note in the UCC SW Installation Guide about this as well, which could be incorporated in the UCC 1.0 CP1 updates.

I suggest that we in table 1 SW Installation Guide add a note as suggested below.

Product Name	Version	SWGW ticket	SW Package (compressed)	CSAR File Name (Decompressed)
CCPC	1.14.4	T-154312 ★	CXS101960-1.14.4.zip	Ericsson.CCPC.CXP9037858_1_14_4.csar

★ Access to this SWGW ticket is restricted. Please contact UCC Service Delivery or your Engagement lead to request access.

Comments

Comment by [Meryam Nachi](#) [2024-11-18]

Comment added to the Software installation guide

[UCC_PLM-148] Node-exporter fails to capture data from unmounted disks

Created: 2024-10-28 Updated: 2025-04-29 Resolved: 2025-04-29

Status:	Duplicated
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2 , UCC Appliance 1.0.0
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Fredrik Gustavsson
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks		
	Requirement		
	linked to requirement	UCC_SM-24	Feature Request: Application Resource...
Defect code_qmt:	3- Usability		
Team/s:	UCC_PLM		
Severity_qmt:	3- Medium		
Found in Build:	UCC Appliance 1.0.0-rc2		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

When browsing for disk related metrics, it only includes metrics for mounted disks.

We can see that nvme0 and nvme1 are present in the system but not included in the node exporter data.

When looking at the use of these disks, we see that nvme1 is the one used for cluster storage:

```
ucc-ccda:~ # lsblk
NAME                                     MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
nvme2n1                                    259:3   0 894.2G  0 disk
└─nvme2n1p1                                259:6   0    2M  0 part
  └─nvme2n1p2                                259:7   0   33M  0 part /boot/efi
  └─nvme2n1p3                                259:8   0   60G  0 part /opt/cni
  └─nvme2n1p4                                259:9   0   65M  0 part
  └─nvme2n1p5                                259:10  0   60G  0 part
  └─nvme2n1p6                                259:11  0 774.1G 0 part /var/log
                                                /var/lib/kubelet
                                                /var/lib/etcd
                                                /var/lib/eccd/node-images
                                                /var/lib/eccd/docker-images/docker/registry
                                                /var/lib/docker/containerd
                                                /home
                                                /etc/kubernetes
                                                /mnt/partition-data

nvme0n1                                    259:4   0   2.9T  0 disk
nvme1n1                                    259:5   0   2.9T  0 disk
└─vg--normal-187192b6--981d--426c--ad29--59257e0f22f4
                                              254:0   0     66  0 lvm
└─vg_normal_63176392_c52f_4342_89ef_45666231092
```

This limits our ability to monitor disks to only cover the CCD Suse OS monitoring and excluding monitoring for any application hosted by CCD.

When looking at the node-exporter pod logs, there are several errors present:

```
deacucc1@ucc-jumphost:~$ kubectl -n monitoring logs eric-pm-node-exporter-flrhc | grep error | head -20
Defaulted container "eric-pm-node-exporter" out of: eric-pm-node-exporter, init-eric-pm-node-exporter (init)
ts=2024-10-01T06:30:15.434Z caller=diskstats_linux.go:265 level=error collector=diskstats msg="Failed to open directory, disabling udev device properties"
path=/run/udev/data
ts=2024-10-01T06:30:23.323Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.871968273 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 43555 42603 0:1149 / /host/var/lib/kubelet/pods/55512466-01fa-4611-ad9f-
ddaa62502d7a/volumes/kubernetes.io~secret/sip-tls-trusted-root-cert rw,relatime m"
ts=2024-10-01T06:30:54.744Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=2.295538773 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 43709 42603 0:1267 / "
ts=2024-10-01T06:31:24.132Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=1.671371511 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 43813 42603 0:1375 / /host/var/lib/kubelet/pods/4d0de0c3-6073-4602-ba43-
c34ad2f2467/volumes/kubernetes.io~secret/pms-rw-server-ce"
ts=2024-10-01T06:31:53.162Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.713753993 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 43946 42603 0:1502 / /host/var/lib/kubelet/pods/670e0d5e-67ad-427d-9353-
d9e5cf180ea3/volumes/kubernetes.io~secret/client-ca "
ts=2024-10-01T06:32:23.334Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.886405754 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 43997 42603 0:1555 / /host/var/lib/"
ts=2024-10-01T06:32:53.020Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.57228013 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 44046 42603 0:1646 / /host/var/lib/kubelet/pods/8f99b0e3-4bff-40e2-b75c-
6b84f1a6f897/volumes/kubernetes.io~secret/lt-http-client-cert rw,relatime master:1828 - "
ts=2024-10-01T06:33:22.824Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.376805633 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 44070 42603 0:1675 / /host/var/lib/kubelet/pods"
ts=2024-10-01T06:34:52.921Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.472206143 err="failed to parse
```

The types of errors include permissions and parsing errors.

The objective that led to this investigation, was to see why we cannot browse the metrics for the non-OS disks. These disks are used for the k8s storage and are separate from the OS-mounted disk.

Comments

Comment by [Jim Dumont](#) [2025-04-29]

If you can put a reference to the FR here, then this ticket can be closed.

Comment by [Fredrik Gustavsson](#) [2025-04-28]

Yes, an FR was raised. I don't know the next steps, but I believe this ticket can be closed.

Comment by [Jim Dumont](#) [2025-04-28]

[Fredrik Gustavsson](#) - is this bug still applicable? Or can it be closed if a CCD requirement was raised. All linked items here seem to be DONE.

Comment by [Fredrik Gustavsson](#) [2024-11-21]

Confirm by CCD support as not implemented. They have requested us to raise this as a new requirement.

The UCC feature request is: [UCC-SM-24](#)

Comment by [Hector Caballero Rodriguez](#) [2024-10-29]

Reproducible in UCC 1.0. On STC UCC3a:

```
stcucc3@seroius08732:~$ k -n monitoring logs eric-pm-node-exporter-qkk8z | grep error | head -20
Defaulted container "eric-pm-node-exporter" out of: eric-pm-node-exporter, init-eric-pm-node-exporter (init)
ts=2024-09-23T13:18:58.546Z caller=diskstats_linux.go:265 level=error collector=diskstats msg="Failed to open directory, disabling udev device properties"
path=/run/udev/data
ts=2024-09-23T13:19:24.117Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=1.649395057 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 35054 33698 0:1157 / /host/var/lib/kubelet/pods/d9a10551-b988-46c3-bb46-
708111cbfc53/volumes/kubernetes.io~secret/fil"
ts=2024-09-23T13:19:24.117Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=1.965125762 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 35103 33698 0:1205 / /host/var/lib/kubelet/pods/b5b999cf-4d03-4441-a771-
f74f231ca52e/volumes/kubernetes.io~secret/egress"
ts=2024-09-23T13:20:22.819Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.370502889 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 35282 33698 0:1363 / /host/var/lib/kubelet/pods/ef93f4c9-20f4-45d9-8a3a-
51fdffcb05e1/volumes/kubernetes.io~secret/lt-httph-clie"
ts=2024-09-23T13:20:53.318Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.868580676 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 35387 33698 0:1462 / /host/var/lib/kubelet/pods/e896db24-a433-4f3c-af34-
996d0b874f0d/volumes/kubernetes.io~secret/tls-tru"
ts=2024-09-23T13:21:23.639Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=1.19250481 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 35417 3369"
ts=2024-09-23T13:21:52.941Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.493904348 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 354"
ts=2024-09-23T13:22:23.226Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.778521763 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 35463 33698 0:1548 / /host/var/lib/kubelet/pods/e8266d87-8eff-4734-85a7-
1a0000000001/volumes/kubernetes.io~secret/
```

On STC UCC3b:

```
stcucc3@seroius08732:~$ k -n monitoring logs eric-pm-node-exporter-g4k2g | grep error | head -20
Defaulted container "eric-pm-node-exporter" out of: eric-pm-node-exporter, init-eric-pm-node-exporter (init)
ts=2024-09-17T11:41:04.546Z caller=diskstats_linux.go:265 level=error collector=diskstats msg="Failed to open directory, disabling udev device properties"
path=/run/udev/data
ts=2024-09-17T11:41:49.819Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=1.423551957 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 37801 36125 0:1576 / /host/var/lib/kubelet/pods/bd299b35-bf5e-40c6-9a0d-
0b8a6bba2d56/volumes/kubernetes.io~secret/action-c"
ts=2024-09-17T11:42:18.835Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.440947313 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 37938 36125 0:1816 / /host/var/lib/kubelet/pods/e8"
ts=2024-09-17T11:42:49.010Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.618465392 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 38026 36125 0:1980 / /host/var/lib/kubelet/pods/edce0242-a82c-4a5e-ac51-
b35f719add52/volumes/kubernetes.io~secret/certm-"
ts=2024-09-17T11:43:18.921Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.528192408 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 38064 36125 0:2064 / /host/var/lib/kubelet/pods/51911a8f-7e51-49b7-938d-
94bf767eed8d/volumes/kubernetes"
ts=2024-09-17T11:43:48.837Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.444278414 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 38126 36125 0"
ts=2024-09-17T11:44:49.320Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.887483148 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 38154 36125 0:2205 / /host/var/lib/kubelet/pods/d5ed4605-bbed-463b-8179-80"
ts=2024-09-17T11:45:19.015Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.622549337 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 38154 36125 0:2205 / /host/var/lib/kubelet/pods/d5ed4605-bbed-463b-8179-80"
ts=2024-09-17T11:45:48.938Z caller=collector.go:169 level=error msg="collector failed" name=mountstats duration_seconds=0.546513449 err="failed to parse
mountinfo: Error Parsing File: Too few fields in mount string: 38154 36125 0:2205 / /host/var/lib/kubelet/pods/d5ed4605-bbed-463b-8179-80"
```

[UCC_PLM-147] Jim Test for Teams field - XFT1 Created: 2024-10-28 Updated: 2024-10-30 Resolved: 2024-10-30

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	0.1.0

Type:	Bug	Priority:	Low
-------	-----	-----------	-----

Reporter:	Eric Hamelin	Assignee:	Jim Dumont
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Cloners			
	clones	UCC_PLM-146	JIm Test for Teams field - XFT5	Rejected
Team/s:	UCC_XFT1			
Severity_qmt:	4-Low/Cosmetic			
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			

Description

I'm a ticket, I'm a ticket
 I'm a ticket, I'm a ticket
 I'm a ticket, I'm a ticket
 I'm a ticket

[UCC_PLM-146] JIm Test for Teams field - XFT5 Created: 2024-10-28 Updated: 2024-10-30 Resolved: 2024-10-30				
Status:	Rejected			
Project:	UCC_PLM			
Component/s:	None			
Affects Version/s:	None			
Fix Version/s:	0.1.0			

Type:	Bug	Priority:	Low
Reporter:	Eric Hamelin	Assignee:	Jim Dumont
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Cloners			
	clones	UCC_PLM-145	JIm Test for Teams field - XFT4	Rejected
	is cloned by	UCC_PLM-147	JIm Test for Teams field - XFT1	Rejected
Team/s:	UCC_XFT5			
Severity_qmt:	4-Low/Cosmetic			
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			

Description

I'm a ticket, I'm a ticket
 I'm a ticket, I'm a ticket
 I'm a ticket, I'm a ticket
 I'm a ticket

[UCC_PLM-145] JIm Test for Teams field - XFT4 Created: 2024-10-28 Updated: 2024-10-30 Resolved: 2024-10-30				
Status:	Rejected			
Project:	UCC_PLM			

Component/s:	None
Affects Version/s:	None
Fix Version/s:	0.1.0

Type:	Bug	Priority:	Low
Reporter:	Eric Hamelin	Assignee:	Jim Dumont
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Cloners		
	clones	UCC_PLM-144	Jim Test for Teams field - XFT1 and XFT3
	is cloned by	UCC_PLM-146	Jim Test for Teams field - XFT5
Team/s:	UCC_XFT4		
Severity_qmt:	4-Low/Cosmetic		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

I'm a ticket, I'm a ticket I'm a ticket, I'm a ticket I'm a ticket, I'm a ticket I'm a ticket

[UCC_PLM-144] Jim Test for Teams field - XFT1 and XFT3 <small>Created: 2024-10-28 Updated: 2024-10-30 Resolved: 2024-10-30</small>			
Status:	Rejected		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	0.1.0		

Type:	Bug	Priority:	Low
Reporter:	Eric Hamelin	Assignee:	Jim Dumont
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Cloners		
	clones	UCC_PLM-143	Jim Test for Teams field - XFT2
	is cloned by	UCC_PLM-145	Jim Test for Teams field - XFT4
Team/s:	UCC_XFT1, UCC_XFT3		
Severity_qmt:	4-Low/Cosmetic		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

I'm a ticket, I'm a ticket I'm a ticket, I'm a ticket I'm a ticket, I'm a ticket I'm a ticket

[UCC_PLM-143] Jim Test for Teams field - XFT2 Created: 2024-10-28 Updated: 2024-10-30 Resolved: 2024-10-30			
Status:	Rejected		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	0.1.0		

Type:	Bug	Priority:	Low
Reporter:	Eric Hamelin	Assignee:	Jim Dumont
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Cloners clones UCC_PLM-101 is cloned by UCC_PLM-144	Eric Test for Teams field (Will this ... Jim Test for Teams field - XFT1 and XFT3	Rejected Rejected
Team/s:	UCC_XFT2		
Severity_qmt:	4-Low/Cosmetic		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

I'm a ticket, I'm a ticket
I'm a ticket, I'm a ticket
I'm a ticket, I'm a ticket
I'm a ticket

Comments

Comment by Eric Hamelin [2024-10-28] i'm a ticket 😊

[UCC_PLM-142] LLD has a field for CNOM SWLT from license key file but CNOM has no license keys in UCC 1.0 Created: 2024-10-18 Updated: 2025-04-23 Resolved: 2025-04-23			
Status:	Done		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	UCC Appliance 1.0.1		

Type:	Bug	Priority:	Low
Reporter:	Mats Persson	Assignee:	Kamal Ait Hammou
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Acceptance Criteria:	LLD updated.
Sprint:	UCC XFT2 Sprint 1
Detected in phase:	Staging

Team/s:	UCC_XFT2
Severity_qmt:	4-Low/Cosmetic
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

LLD of UCC 1.0 CPI includes in "Site Data" tab a entry for CNOM SWLT, which is to be derived from CNOM license key file (LKF). But CNOM version used in UCC 1.0 does not have any license keys and hence no LKF.

This entry in the LLD site data causes confusion and unnecessary questions from MA / CA when configuring UCC at deployment.

Either remove entry or add a note/comment that this is not used in UCC 1.0

Comments

Comment by Kamal Ait Hammou [2024-11-05]

I have removed the entry from LLD as it is not used in UCC configuration files.

Link to updated LLD : <https://ericsson.sharepoint.com/sites/UltraCompactCoreUCC/Shared%20Documents/General/DEV-DOCUMENTS-WORKDIR/UCC%201.0CP1/Ericsson%20Ultra%20Compact%20Core%20-%20Low%20Level%20Design.xlsx?web=1>

Comment by Reema Sidhwani [2024-10-30]

To be checked.

[UCC_PLM-141] Inconsistencies in UCC BoM between PPD and LLD

Created: 2024-10-16 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Low
Reporter:	Mats Persson	Assignee:	Kamal Ait Hammou
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1, UCC_Appliance_1.0.1_RN, documentation		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Relates		
	relates to	UCCPOC-19	In Test
	relates to	UCCPOC-62	In Test
	relates to	UCC_PLM-140	Done
Acceptance Criteria:	Consistent BoM description for UCC 1.0.		
Sprint:	UCC XFT2 Sprint 1		
Detected in phase:	Staging		
Epic Link:	PoC - MANA - Raytheon		
Team/s:	UCC_XFT2		
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Currently the UCC HW BoM is defined in both the UCC LLD and PPD documents. However the list of cables and accessories is not consistent between these documents, and as the UCC HW ordering in ECP is based on the PPD, the MAs & CUs experience these inconsistencies if only looking into the LLD when placing a UCC HW order.

The UCC HW BoM needs to be made consistent among the documents, by updating the LLD as suggested below, alternatively only referring to the BoM definition in the PPD.

- LLD include two items "Transceiver for iLO and CCD provisioning" with price object/product RDH901002/1, one with quantity 8 and one with quantity 5
 - PPD only include the latter, with quantity 5, and with denomination "100/1000 TX SSR, SFP"
 - UCC HW ordering in ECP includes also only the latter, following PPD.
 - => *Update LLD to remove former item and update description of latter item.*
- LLD include RPM 119 1657/1 "Router R6675 Console cable" as part of UCC Cables BoM
 - PPD includes this cable as part of R6675 BoM and not UCC "accessories" BoM
 - UCC HW ordering in ECP follows PPD and does not include cable as part of UCC HW ordering.
 - => *Update LLD to clarify that this cable is part of R6675 HW BoM and ordering.*
-
- LLD mentions BFD101118/2 as the price object for R6675 DC System w/24x1G enabled
 - PPD specifies INF903080/1 as the price object
 - R6675 ordering in ECP specifies
 - Delivery Objects: BFD101118/2, EQUIPPED MAGAZINE / Router 6675 DC
 - Price Objects: INF903080/1, R6675 DC System w/24x1G enabled
 - => *Update LLD with INF903080/1 as the price object*

References:

- [UCC LLD rev G](#) (from UCC 1.0 CPI)
- [UCC PPD rev G](#) (eridoc. Note that PPD in UCC CPI is outdated. Reported in [UCC_PLM-140](#))

Comments

Comment by [Åsa Preuss](#) [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

BR Åsa

Comment by [Mats Persson](#) [2024-11-05]

Thanks Kamal!

Comment by [Kamal Ait Hammou](#) [2024-11-05]

Hello ,

I have updated LLD with Hardware references from the PPD.

Br,

Kamal

Comment by [Reema Sidhwani](#) [2024-10-30]

Document update likely. To be checked.

[\[UCC_PLM-140\] Incorrect version of PPD in UCC 1.0 CPI](#) Created: 2024-10-16 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Mats Persson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Relates			
	relates to	UCCPOC-19	PoC - MANA - Booz Allen Hamilton	In Test
	relates to	UCC_PLM-141	Inconsistencies in UCC BoM between PP...	Done

Acceptance Criteria:	CPI corrected, either by updating version or removal of PPD.
Detected in phase:	Staging
Epic Link:	PoC - MANA - Booz Allen
Severity_qmt:	4-Low/Cosmetic
Found in Build:	UCC Appliance 1.0.0
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

The PPD in UCC 1.0 CPI, https://cpistore.internal.ericsson.com/elex?LI=EN/LZN7041198/1R1A&FN=1_22103-FGM101198_1Uen.F.pdf&DT=Ericsson+Ultra+Compact+Core++Product+Package+Description, is rev F (dated July 1), which is outdated and partly incorrect. Latest correct version is rev G, see <https://erilink.ericsson.se/eridoc/erl/objectId/09004cffd2d63eec?docno=1/22103-FGM101198/1Uen&action=approved&format=pdf>.

CPI needs to be updated with latest version, alternatively the PPD should be removed from CPI as it is a Market Offering Document for the [UCC Portfolio & commerce page](#) and not product CPI (as is for example Ordering Guide).

Comments

Comment by [Åsa Preuss](#) [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

BR Åsa

Comment by [Reema Sidhwani](#) [2025-01-21]

PPD was removed from CPI in CP1

Comment by [Reema Sidhwani](#) [2024-10-30]

CPI update only

[UCC_PLM-139] UCC startup failed after power off - 5G Compad Bubble 1

Created: 2024-10-15 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 0.2.2
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	0h		
Time Spent:	5h		
Original Estimate:	Not Specified		

Defect code_qmt:	1- Functional
Sprint:	UCC XFT2 Sprint 1, UCC XFT5 Sprint 2
Team/s:	UCC_XFT5
Severity_qmt:	3- Medium
Found in Build:	UCC Appliance 0.2.2
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

The 5G Compad bubble 1 system was in a functional state when powered down to be shipped to the target location.

When powering on the system, it failed to startup kubernetes.

Comments

Comment by [Panagiota Pappa](#) [2024-12-05]

Test case [UCC_PRODIV-1018](#) was executed, the test execution is this one: [Execute Test UCC_PRODIV-1018 - eTeamProject](#)

One issue was identified that the EDA pod eric-act-proclog-cassandra-stasher didn't come up after the power-on, we wait half an hour and then we delete it manually. It then became Running. New bug was written: [UCCXFT-327](#) UCC 1.0 CP1: cassandra pod in EDA doesn't come up after graceful shutdown of UCC - eTeamProject

On the ticket [UCCXFT-332](#) UCC 1.0 CP1: Installation Instruction improvements in Graceful shutdown procedure - eTeamProject, we describe some improvements of the graceful shutdown chapter in the installation instructions.

Comment by [Panagiota Pappa](#) [2024-11-29]

Ticket for router shutting down: [N212 HWaaS: power-off and then power-on router seroitrt00026 from STCUCC3 lab for an UCC I&V test case - Shared Target Cloud Service Desk - Service project](#)

Comment by [Reema Sidhwani](#) [2024-10-30]

II update. To be verified in I&V as part of CP1 TOL.

Comment by [Nitin Swaroop](#) [2024-10-24]

Hello,

Actually the step to verify the NTP were already present in the latest II. However I have added some steps which caters to a situation where the ucc hardware is shiped to a different location and needs to update with the new external clock IP.

in II document section 19.2.3 router power on

Steps

1. Set up the time synchronized by NTP with the IP address 2.1.1.2.

Example

```
[local]Ericsson(config)#
context local{{[local]Ericsson(config-ctx)#{}
ntp-mode{{[local]Ericsson(config-ntp-server)#{}
server 2.1.1.2{{[local]Ericsson(config-ntp-server)#{}
exit
```

Comment by [Meryam Nachi](#) [2024-10-21]

Nitin from I&V team is updating the document.

Comment by [Fredrik Gustavsson](#) [2024-10-16]

I will transfer this ticket to design for the update to relevant "restore from power failure" documentation.

We need to ensure that the following steps are followed:

1. Verify correct date/time on NTP server
2. Power-on CCD server/s

Comment by [Fredrik Gustavsson](#) [2024-10-15]

After further investigation, all points to that the system recovered once the date/time was corrected.

This may have needed the number of restarts made, or it may have been possible with fewer ones.

Issues included errors like:

```
sudo crictl logs 371e71ce56290
```

```
...
E1014 14:59:13.892468 1 authentication.go:73] "Unable to authenticate the request" err=""
[invalid bearer token, service account token is not valid yet
]"
```

From journal:

```
Oct 14 17:50:18 ucc-bubble1b kubelet[12033]: E1014 17:50:18.320327 12033 event.go:355] "Unable to write event (may retry after sleeping)" err="Patch
\"https://172.16.0.21:6443/api/v1/namespaces/kube-system/events/kube-apiserver-ucc-bubble1b.17fe5937b11f59e2\": dial tcp 172.16.0.21:6443: connect: connection refused" event=&Event{ObjectMeta:
{kube-apiserver-ucc-bubble1b.17fe5937b11f59e2 kube-system 0 0001-01-01 00:00:00 +0000 UTC <nil> <nil> map[] map[] [] []}}
```

,InvolvedObject:ObjectReference

```
{Kind:Pod,Namespace:kube-system,Name:kube-apiserver-ucc-bubble1b,UID:5bd7bb2da9cef2d9f4c9a5118080b8ec,APIVersion:v1,ResourceVersion:,FieldPath:;}
```

```
,Reason:FailedCreatePodSandBox,Message:Failed to create pod sandbox: rpc error: code = Unknown desc = failed to reserve sandbox name \"kube-apiserver-ucc-
bubble1b_kube-system_5bd7bb2da9cef2d9f4c9a5118080b8ec_14\": name \"kube-apiserver-ucc-bubble1b_kube-system_5bd7bb2da9cef2d9f4c9a5118080b8ec_14\" is
reserved for \"1a8e17969830c0ab54f919976155e801a36c44ed6004b093f7b6b75d27ac6497\",Source:EventSource
(Component:kubelet,Host:ucc-bubble1b,)
```

```
,FirstTimestamp:2024-10-14 14:50:02.686544354 +0000 UTC m=+1.162455508,LastTimestamp:2024-10-14 14:50:31.859923807 +0000 UTC
m=+30.335834951,Count:7,Type:Warning,EventTime:0001-01-01 00:00:00 +0000 UTC,Series:nil,Action:,Related:nil,ReportingController:kubelet,ReportingInstance:ucc-
bubble1b,"
```

Comment by [Fredrik Gustavsson](#) [2024-10-15]

During the investigation, it was discovered that the NTP server (i.e. the router) had an incorrect date set.

This carried over to the UCC server as it started up.

The incorrect date was October 3 while the current date was October 14.

We have seen in the past that earlier dates lead to certificate issues with "not valid yet" errors.

Thus, our recommendation is to not power on the UCC server after power off, until the NTP server date has been verified to be accurate.

However, after correcting the date, kubernetes still failed. This was later recovered, but the root cause, nor the resolution is not known currently.

[UCC_PLM-138] Additional UCC metrics Created: 2024-10-15 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Hector Caballero Rodriguez	Assignee:	Reema Sidhwani
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	UCC Sprint 16

[UCC_PLM-137] UCC 1.0 LLD: Unused information in LLD ENM Created: 2024-10-15 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Manfred Haans
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Sprint:	UCC-DEV-Sprint-18
Team/s:	UCC_XFT2
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello,

UCC 1.0 LLD is asking us to fill in ENM information.

CU is asking question if ENM is supported in UCC 1.0?

If yes, which files are updated and many other questions on ENM.

Please clarify

1. Is ENM entry dummy?
2. Is it really used?

3. What is use-case of ENM in 1.0 or 1.1 etc?

4. What kind of integration to be consider for ENM connection?

Customer needs clear information to provide information to use in service delivery.

See print screen

The screenshot shows a Microsoft Excel spreadsheet titled "CKIT1_UCC10_LLD.xlsxm - Excel". The ribbon menu is visible at the top, with the "Home" tab selected. The active cell is A25, containing the text "ENM IP". The table below consists of two sections: "1. Deployment Setup" and "2. Network Setting". The "1. Deployment Setup" section has rows 5 through 10. The "2. Network Setting" section has rows 4 through 15. The last row, row 15, which contains "ENM IP" in the first column, is highlighted with a red border and circled with a red marker. The table columns are labeled "Description", "Variable_Name", "Variable_Value", and "Validation Check".

1. Deployment Setup			
Description	Variable_Name	Variable_Value	Validation Check
Deployment Identifier	deployment_id	ucc1	
jump host server IP	jumphost_ip	10.99.49.9	
Software directory in jumphost	software_dir	/home/ucc/software	
configuration directory in jumphost	config_dir	/home/ucc	
Web server http port	webserver_port	80	
SSH public key for Local O&M	pubssh_key_1		
SSH public key for central management	pubssh_key_2		
2. Network Setting			
Description	Variable_Name	Variable_Value	Validation Check
Global CIDRs			
OAM CIDR	oam_cidr	10.99.49.0/25	
Traffic CIDR	external_cidr	10.99.49.192/27	
NTP and DNS parameters			
DNS Server Domain Name	dns_domainName	ericsson.se	
DNS Server 1	nameserver1	10.99.49.10	
DNS Server 2	nameserver2	20.20.20.1	
NTP external server 1	ntp_server1	10.99.49.1	
NTP external server 2	ntp_server2	20.20.20.2	
Timezone	timezone	America/Chicago	
ENM IP	enm_ip	20.20.20.2	20.20.20.2

Comments

Comment by Meryam Nachi [2024-10-31]

As described below, enm_ip is used for CNFs, R6K router and CCD. We will put this ticket as Resolved.

Comment by Manfred Haans [2024-10-23]

Function is not implemented.

for future release and development:

```
/git/ucc-prod-dev$ grep -ir enm_ip  
config/templates/eda/config.json.jinja2:      "address": "{{ enm_ip }}",
```

```

config/templates/router/ucc-router-config.cfg.jinja2:snmp notify-target ENM_Admin_v3 {{ enm_ip }}/32 tag Tag-Inform param Param_Admin
config/templates/common/snmp-config.xml.jinja2:           <host>{{ enm_ip }}</host>
config/templates/common/snmp-config.json.jinja2:   "address": "{{ enm_ip }}",
config/templates/ccd/ccdadm-config.yaml.jinja2: - {{ enm_ip }}

```

Used for: CCD, R6K and all CNFs SNMP target configuration

[UCC_PLM-136] UCC 1.0 LLD: Unused information in LLD DNS Created: 2024-10-15 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Manfred Haans
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Sprint:	UCC-DEV-Sprint-18
Team/s:	UCC_XFT2
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello,

UCC 1.0 LLD is asking us to fill in external DNS information which is nowhere used.

UCC 1.0 is using CCRC-DNS.

It was expected that, If CCRC-DNS does not have any entry, It should forward to root-dns query to get response example of roaming case.

However, as per check Entry in site.data for DNS remain dummy.

See below print

System Configuration Parameters			
Parameter ID	Description	Variable Name	Value
16	OAM CIDR	oam_cidr	10.99.49.0/25
17	Traffic CIDR	external_cidr	10.99.49.192/27
18	NTP and DNS parameters		
19	DNS Server Domain Name	dns_domainName	ericsson.se
20	DNS Server 1	nameserver1	10.99.49.10
21	DNS Server 2	nameserver2	20.20.20.1
22	NTP external server 1	ntp_server1	10.99.49.1
23	NTP external server 2	ntp_server2	20.20.20.2
24	Timezone	timezone	America/Chicago
25	ENM IP	enm_ip	20.20.20.2
26	3. CNF Setting		
Parameter ID	Description	Variable Name	Value
27	licensing parameters		
28	NELS FQDN	nels_fqdn	nels.5gc.mnc099.mcc244.3gppnetwor
30	NELS Host IP	nels_ip	10.99.53.79
31	NELS Port	nels_port	9095
32	customerId from license key file	nels_customerid	961038
33	ECCD swlId from license key file	nels_eccd_swltid	961038_NIWC_UARCNIMVCCD_TRIAL
34	CCDM swlId from license key file	nels_ccdm_swltid	961038_NIWC_UARCNIMVCCDM_TRIAL
35	CCSM swlId from license key file	nels_ccsm_swltid	961038_NIWC_UARCNCSVCCSM_TRIAL
36	CCRC swlId from license key file	nels_ccrc_swltid	961038_NIWC_UARCNCSVCCRC_TRIAL
37	CCPC swlId from license key file	nels_ccpc_swltid	CCPC-xx
38	CNOM swlId from license key file	nels_cnom_swltid	CNOM-xx
39	EDA2 swlId from license key file	nels_edda2_swltid	EDA2-xx

Comments

Comment by Manfred Haans [2024-10-23]

Function is not implemented.

Is for future release and development.

We state that also in the LLD.

Currently the DNS is hardcoded to the CCRC DNS:

config/templates/ccd/ccdadm-config.yaml.jinja2:

nameservers:

- {

{ ccrc_oam }

[UCC_PLM-135] UCC 1.0 - Unable to find in Calstore + Missing Information in CPIstore Created: 2024-10-08 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Arno Masella
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:			
Severity_qmt:	3- Medium		
Found in Build:	UCC Appliance 1.0.0		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello,

Case1:

In Ericsson.

Calstore is used as default Product documentation library for Engineers and Support organizations [It will have deeper and more information on troubleshooting etc]

CPIstore is used as Product documentation library for our customers [Only specific bare minimum information]

Unable to find UCC in Calstore:

See below

← ⌂ ⌂ https://calstore.internal.ericsson.com/elex#

5G Competence De... 5G-Core Training Pr... 5GCTrial_R9B ADP Alex Ansible Documenta... Bir

Ericsson Library Explorer — CAL Store

Home Library Glossary Global MyCollection MyDoc

ultra

CAL

Filters

Library Type (all)

Date Created (all)

Product Folder

- Common Network Analytics
- LTE Broadcast Service layer
- 5G Cloud Core
- 5G_Core_Demos

Results (0)

Title ◊

No library found matching the search pattern!

If searching for content in a CPI document, first find the relevant library and then search for **ultra** within that library or library collection scope.

*Search globally for **ultra** in any library using Global Search Tool*



CPIstore UCC link work.

← ⌂ ⌂ https://cpistore.internal.ericsson.com/elex#

5G Competence De... 5G-Core Training Pr... 5GCTrial_R9B ADP Alex Ansible Documenta...

Ericsson Library Explorer — CPI Store

Home Library Glossary Global MyCollection MyDoc

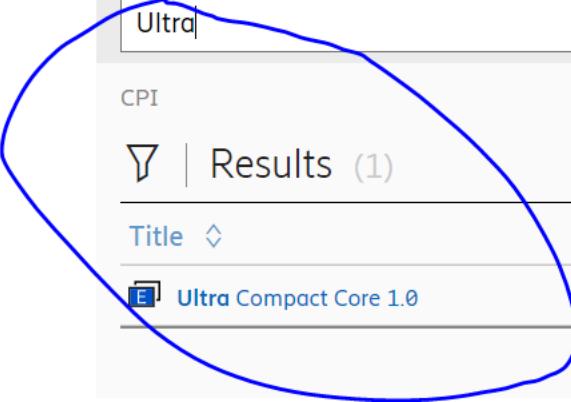
Ultra

CPI

Results (1)

Title ◊

 Ultra Compact Core 1.0



Almost all SDU engineers are using calstore and unable to find UCC.

They are raising concerns why do cant see library in calstore even after GA.

Can we make UCC documentation should reflect in calstore?

Case2:

Below nodes are part of UCC however does not cover in CPI filter list.

a. R6K

b. CCD

Which makes CPistore link as incomplete.

The screenshot shows the Ultra Compact Core 1.0 documentation page. On the left, there's a sidebar titled "Filters" with a heading "Libraries". A red circle highlights the "Ultra Compact Core 1.0" section under "Libraries", which contains a list of components: Cloud Core Data-Storage Manager (CCDM) 1.12 CP1, Cloud Core Policy Controller (CCPC) 1.14, Cloud Core Resource Controller (CCRC) 1.14, Cloud Core Subscription Manager (CCSM) 1.13, Cloud Native CNOM 2.0, Ericsson Cloud Container Distribution 2.29.1, Packet Core Controller (PCC) 1.32, Packet Core Gateway (PCG) 1.24, and Ericsson Dynamic Activation (EDA) 2.18. To the right is the "Contents" section, which lists various chapters and sub-chapters of the documentation. The "Ultra Compact Core 1.0" chapter is expanded, showing "Library Overview", "Product Overview", "Installation", and "Operation and Maintenance". Other chapters listed include "Cloud Core Data-Storage Manager (CC...)" and "Initial Configuration".

Comments

Comment by [Rajan Rajeshprasad Gupta](#) [2024-10-08]

Impact :

Case1: Direct impact on SDU/CU competency building as less number of Engineer can find library link , which has direct impact on documentation quality/error verification and ready for delivery.

Case2: Incomplete information result in multiple hop for R6K/CCD 2.29.1 libray search.

[UCC_PLM-134] CCRC & CCSM- Hostname missing in yang

Created: 2024-10-08 Updated: 2025-03-11 Resolved: 2024-11-12

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Low
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Original Estimate:	Not Specified
Attachments:	
Sprint:	UCC XFT2 Sprint 1
Team/s:	UCC_XFT2
Severity_qmt:	4-Low/Cosmetic
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hi Team,

Observed in UCC 1.0 drop CNFs hostname in yang for CCRC & CCSM are not correctly defined,



CCSM Ref:-



Its correct updated for CCDM & PCX;



Day0 file for CCSM & CCRC needs to be updated with correct application id name.

```
eccd@ucc-ccda:~> helm get values eric-ccsm -n ccsm | grep application
eric-si-application-sys-info-handler:
applicationInfoService:
```

- applicationId: ccda* -----> This should be ccsm-ccdx

```
applicationInfoSrv:
eric-si-application-sys-info-handler:
eric-si-application-sys-info-handler: []
eccd@ucc-ccda:~> helm get values eric-ccrc -n ccrc | grep application
eric-si-application-sys-info-handler:
applicationId: ccda -----> This should be ccrc-ccdx
eric-si-application-sys-info-handler:
```

For reference - CCDM & PCX day0 is updated with correct application-id

```
eccd@ucc-ccda:~> helm get values eric-pc-controller -n ep5g | grep application
applicationProperties: |-_
eosc set life-cycle-rule bucket eric-pc-mm-dnsapp expire 1 --lfid="DNS application data files retention" --lfstatus=Enabled
eric-si-application-sys-info-handler:
• applicationId: pcx-ccda*
```

```
eccd@ucc-ccda:~> helm get values eric-ccdm -n ccdm | grep application
eric-act-application-resource-monitor:
eric-si-application-sys-info-handler:
applicationInfoService:
• applicationId: ccdm*
```

Regards
Rishi Shekhar

Comments

Comment by Alvaro Martin [2024-11-12]
Files merged into ucc-prod-dev and already delivered to I&V as part of UCC 1.0 CP1
Comment by Alvaro Martin [2024-11-05]
After talking with Rishi Shekhar I also updated ccdm applicationId in order to be aligned with the rest. Before it only specified the nodeType but now it will specify nodeType-ccdx.

I also redeployed ccdm in deacucc2b to verify everything is ok:

```
eccd@ucc-ccdb:~> ssh ccdmoam@10.92.239.98 -p22 -t CLI
IF YOU ARE NOT AN AUTHORIZED USER, PLEASE EXIT IMMEDIATELY
```

This system processes personal information. Handle personal information with care. Misuse, including unauthorized access, is grounds for legal action. Version: 1.0, Date: October 27, 2020.

Password:

Welcome

Last login time: Tue Nov 5 16:39:23 2024

ccdmoam connected from 172.16.0.21 using ssh on @ccdm-ccdb

ccdmoam@**ccdm-ccdb**#

The changes are already pushed in git and already asked Christos to do merge into the main branch.

I'll set the Jira to resolved when I have confirmation of the merge

Comment by [Alvaro Martin](#) [2024-11-05]

Templates changed in CCRC and CCSM.

Verified with deployment of CCRC and CCSM in deacucc2a (see below).

I'll upload to git to be merged.

eccc@ucc-ccdb:~> ssh ccsmoam@10.92.239.101 -p22 -t CLI

IF YOU ARE NOT AN AUTHORIZED USER, PLEASE EXIT IMMEDIATELY

This system processes personal information. Handle personal information with care. Misuse, including unauthorized access, is grounds for legal action. Version: 1.0, Date: October 27, 2020.

Password:

Welcome

Last login time: Tue Nov 5 10:49:33 2024

ccsmoam connected from 172.16.0.21 using ssh on @ccsm-ccdb

ccsmoam@**ccsm-ccdb**#

eccc@ucc-ccdb:~> ssh ccrcoam@10.92.239.102 -p22 -t CLI

IF YOU ARE NOT AN AUTHORIZED USER, PLEASE EXIT IMMEDIATELY

This system processes personal information. Handle personal information with care. Misuse, including unauthorized access, is grounds for legal action. Version: 1.0, Date: October 27, 2020.

Password:

Welcome

Last login time: Tue Nov 5 12:02:06 2024

ccrcoam connected from 172.16.0.21 using ssh on @ccrc-ccdb

ccrcoam@**ccrc-ccdb**#

[UCC_PLM-133] UCC CNOM: Showing wrong information of software for CCPC,PCC,PCG etc Created: 2024-10-08 Updated: 2025-06-10 Resolved: 2025-06-10

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Alexander Malikov
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:

Team/s: UCCPOCDEV

Severity_qmt: 3- Medium

Requirement Status:

UCC Appliance 0.2.1 - UNCOVERED

Description

See below CNOM is showing software information for CCPC,PCC-MM,PCC-SM,PCG as same.

Please suggest way to correct.

Impact: Customer will not be able to know which version of CCPC,PCC,PCG are installed for UCC 1.0.

Node Monitor										
Monitor status										
Select columns										
Node IP or hostname SSH port SFTP IP or hostname HTTP port HTTPS port EBM port vTop server IP UTC time offset SSH host key status										
<input type="checkbox"/> Node type	<input type="checkbox"/> Node name	<input type="checkbox"/> Network service	<input type="checkbox"/> Monitor status	<input type="checkbox"/> Monitor status changed	<input type="checkbox"/> RT monitor status	<input type="checkbox"/> EBM server status	<input type="checkbox"/> vTop server status	<input type="checkbox"/> SW	<input type="checkbox"/> Start monitoring	<input type="checkbox"/> Stop monitoring
<input type="checkbox"/> UCA	UCA-A	UCCA	● Started	2024-10-11 12:53	-	-	-	-		
<input type="checkbox"/> HPE	HPE-A	UCCA	● Started	2024-10-07 18:56	-	-	-	-		
<input type="checkbox"/> CCSM	CCSM-A	UCCA	● Started	2024-10-04 19:56	-	-	-	-	CCSM CXP9037722 1.28.9_1	
<input type="checkbox"/> ROUTER6000	Router-0K	UCCA	● Started	2024-09-13 20:57	-	-	-	-	CXP9000188_1-R25C122	
<input type="checkbox"/> CCM	CCM-A	UCCA	● Started	2024-10-04 19:24	-	-	-	-	ERIC-CCM CXP937 622 1.12.50-1	
<input type="checkbox"/> CCRC	CCRC-A	UCCA	● Started	2024-10-04 19:24	-	-	-	-	Ericsson CCRC CXP9037722 1.14.4	
<input type="checkbox"/> PCC-MM	PCC-MM_A	UCCA	● Started	2024-10-04 18:43	-	-	● Started	-	Packet Core Gateway CIC 174 1900 1.58.1	
<input type="checkbox"/> PCC-MM_B	PCC-MM_B	UCCA	● Started	2024-10-04 18:51	-	-	● Started	-	Packet Core Gateway CIC 174 1900 1.58.1	
<input type="checkbox"/> PCC-SM	PCC-SM_A	UCCA	● Started	2024-10-04 18:58	-	-	● Started	-	Packet Core Gateway CIC 174 1900 1.58.1	
<input type="checkbox"/> PCG	PCG_A	UCCA	● Started	2024-10-04 18:59	-	-	● Started	-	Packet Core Gateway CIC 174 1900 1.58.1	
<input type="checkbox"/> CCPC	CCPC-A	UCCA	● Started	2024-10-04 19:20	-	-	-	-	Packet Core Gateway CIC 174 1900 1.58.1	

Comments

Comment by Alexander Malikov [2025-06-10]

Rajan Rajeshprasad Gupta, it's expected for UCC 1.1. I will close a ticket

Comment by Rajan Rajeshprasad Gupta [2025-06-10]

Hello Jim Dumont

I just checked on UCC 1.1 release.

EP5G part is fixed (PCC,PCG,CCPC).

CNOM										
Node Monitor										
Monitor status										
<input type="checkbox"/> Started (9) <input type="checkbox"/> Stopped (8) <input type="checkbox"/> Scheduled (8) <input type="checkbox"/> Start error (8) <input type="checkbox"/> Stop error (8) <input type="checkbox"/> Schedule error (8) <input type="checkbox"/> Starting (8) <input type="checkbox"/> Stopping (8)										
<input type="checkbox"/> Node type	<input type="checkbox"/> Node name	<input type="checkbox"/> Network service	<input type="checkbox"/> Monitor status	<input type="checkbox"/> Monitor status changed	<input type="checkbox"/> RT monitor status	<input type="checkbox"/> EBM server status	<input type="checkbox"/> vTop server status	<input type="checkbox"/> SW	<input type="checkbox"/> Start monitoring	<input type="checkbox"/> Stop monitoring
<input type="checkbox"/> CCM	ccm_ccda	ucca	● Started	2025-05-30 12:37	-	-	-	-	ERIC-CCM CXP9037722 1.23.5-2	CONTAINER
<input type="checkbox"/> CCPC	ccpc_ccda	ucca	● Started	2025-05-30 12:43	-	-	-	-	PCx EP5G CKD 181 866 2.6.1	CONTAINER
<input type="checkbox"/> CCR	ccr_ccda	ucca	● Started	2025-05-30 12:43	-	-	-	-	Ericsson CCRC CXP9037722 1.17.4	CONTAINER
<input type="checkbox"/> CCSM	ccsm_ccda	ucca	● Started	2025-05-30 12:46	-	-	-	-	CCSM CXP9037722 1.236.94_1	CONTAINER
<input type="checkbox"/> PCC-MM	pcc-mm_ccda	ucca	● Started	2025-05-30 12:42	-	-	-	● Stop error	PCx EP5G CKD 181 866 2.6.1	CONTAINER
<input type="checkbox"/> PCC-SM	pcc-sm_ccda	ucca	● Started	2025-06-10 17:31	-	-	-	● Stop error	PCx EP5G CKD 181 866 2.6.1	CONTAINER
<input type="checkbox"/> PCG	pcg_ccda	ucca	● Started	2025-05-30 12:42	-	-	-	● Stop error	PCx EP5G CKD 181 866 2.6.1	CONTAINER
<input type="checkbox"/> ROUTER6000	router	ucca	● Started	2025-06-09 19:37	-	-	-	-	CXP9000188_1-R29G232	6675
<input type="checkbox"/> UCA	uca	ucca	● Started	2025-05-30 12:48	-	-	-	-	-	-

However UCA version is not reflected in CNOM (See last node). Is this expected?

If yes, we can close the ticket.

Comment by Jim Dumont [2025-04-28]

Meryam Nachi this bug is perhaps not reproducible for UCC 1.1 and can be cancelled.

[UCC_PLM-132] UCC 1.0 : Missing software for CNAT and CCPC Binary in software gateway <small>Created: 2024-10-07 Updated: 2025-04-24 Resolved: 2025-04-24</small>			
Status:	Done		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Severity_qmt:	1- Critical
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello, As now we have GA released. Does all software are now part of software gateway? Like CNAT, CCPC Binary etc? We see it is still missing in UCC artifact. Please note; We have BAH delivery for drop 2 to 1.0 re-installation from today. So we can't afford further delay as it will change project timelines. Please support to get this fixed. Note: Due to Ericsson software policy, we cant download software from Europe to India and upload to US. Which is security thread for delivery.
--

Comments

Comment by Reema Sidhwani [2024-10-07]
Thanks Rajan, I will close this ticket and we follow up the WA related discussion on the other ticket.
Comment by Rajan Rajeshprasad Gupta [2024-10-07]
Thank you Reema. I see software now in software gateway. Will proceed to do work for BAH delivery with said work-around.
Comment by Reema Sidhwani [2024-10-07]
Hi Rajan, Could you please check this ticket and let me know if it is a duplicate: https://eteamproject.internal.ericsson.com/browse/UCC_PLM-123

[UCC_PLM-131] CCRC eric-nrf-kvdb-ag-server-0 stuck in CrashLoop after node restart <small>Created: 2024-10-04 Updated: 2025-05-07 Resolved: 2025-05-07</small>			
Status:	Done		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	UCC Appliance 1.0.0		
Fix Version/s:	None		

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Alvaro Martin

Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UDM5GP-113197 Dependent depends on UDM5GP-113197	CCRC eric-nrf-kvdb-ag-server-0 stuck ... CCRC eric-nrf-kvdb-ag-server-0 stuck ...	To Do To Do
Defect code_qmt:	1- Functional		
Other Assignees:	Gonzalo Poveda		
Sprint:	UCC Sprint 15, UCC XFT2 Sprint 6, UCC XFT2 Sprint 7, UCC XFT2 Sprint 8, UCC XFT2 Sprint 9		
Detected in phase:	PDU		
Epic Link:	Bug Backlog for UCC1.1		
Team/s:	UCC_PLM, UCC_XFT2		
Workaround:	When restarting the node, occasionally, the CCRC pod "eric-nrf-kvdb-ag-server-0" enters a CrashLoopBackOff status. Manually deleting the pod, will trigger a recreate to bring the new pod to a running state.	<pre>eccd@ucc-ccdb:~> kubectl -n ccrc delete pod eric-nrf-kvdb-ag-server-0 pod "eric-nrf-kvdb-ag-server-0" deleted</pre>	
Severity_qmt:	3- Medium		
Found in Build:	UCC Appliance 1.0.0		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

After a node restart, the CCRC eric-nrf-kvdb-ag-server-0 pod is stuck in CrashLoopBackOff state and ten other CCRC, CCSM, and EP5G pods are not fully running.

After waiting close to 30 minutes, the eric-nrf-kvdb-ag-server-0 pod was manually deleted and after this it took just over one minute for all pods including eric-nrf-kvdb-ag-server-0 to be in a running and healthy state.

Log:

```
eccd@ucc-ccdb:~> kubectl get pods -A | grep -vE '([0-9]+)\|Completed'
NAMESPACE     NAME                               READY   STATUS    RESTARTS   AGE
ccrc          eric-nrf-accesstoken-855677897f-j85pq   3/4     Running   26 (43m ago) 15d
ccrc          eric-nrf-common-config-agent-748d8d4df8-5ntxr 1/2     Running   10 (46m ago) 15d
ccrc          eric-nrf-common-dbproxy-7d6fcf7bcd-6q7fg   3/4     Running   20 (46m ago) 15d
ccrc          eric-nrf-discovery-5955c87775-zs6d8   3/4     Running   22 (46m ago) 15d
ccrc          eric-nrf-dns-757b8787b8-wkr5v   2/3     Running   15 (46m ago) 15d
ccrc          eric-nrf-kvdb-ag-server-0   2/3     CrashLoopBackOff 27 (77s ago) 15d
ccrc          eric-nrf-management-5869f7c95d-v29r6  3/4     Running   22 (46m ago) 15d
ccrc          eric-nrf-management-notification-64698fdb79-19464 3/4     Running   26 (43m ago) 15d
ccrc          eric-nrf-provision-7d6bf8c5c4-nn18d  1/2     Running   11 (46m ago) 15d
ccsm          eric-nrf-discovery-agent-846dfcc674-cxz52  2/3     Running   15 (46m ago) 14d
ep5g          eric-nrf-discovery-agent-65d64ccccb6-dst6h  2/3     Running   15 (46m ago) 14d
eccd@ucc-ccdb:~> kubectl -n ccrc delete pod eric-nrf-kvdb-ag-server-0
pod "eric-nrf-kvdb-ag-server-0" deleted
eccd@ucc-ccdb:~> kubectl get pods -A | grep -vE '([0-9]+)\|Completed'
NAMESPACE     NAME                               READY   STATUS    RESTARTS   AGE
ccrc          eric-nrf-accesstoken-855677897f-j85pq   3/4     Running   26 (44m ago) 15d
ccrc          eric-nrf-common-config-agent-748d8d4df8-5ntxr 1/2     Running   10 (48m ago) 15d
ccrc          eric-nrf-discovery-5955c87775-zs6d8   3/4     Running   22 (48m ago) 15d
ccrc          eric-nrf-dns-757b8787b8-wkr5v   2/3     Running   15 (48m ago) 15d
ccrc          eric-nrf-kvdb-ag-server-0   1/3     Running   0          19s
ccrc          eric-nrf-management-5869f7c95d-v29r6  3/4     Running   22 (40m ago) 15d
```

Comments

Comment by [Fredrik Gustavsson](#) [2025-05-07]

[Alvaro Martin](#), thanks for the clarification! Good to eliminate yet another workaround!

Comment by [Alvaro Martin](#) [2025-05-07]

It's fixed as it is not happening anymore without any action required. I've removed the WA from the known issues chapter in the working Installation Guide

Comment by [Fredrik Gustavsson](#) [2025-05-07]

[Alexander Malikov](#) is this fixed or is there a workaround available? If the fix is present, we should remove the workaround. Otherwise, please keep working (or monitor CNF) for a permanent fix.

Comment by [Alexander Malikov](#) [2025-05-07]

Issue was not faced during UCC 1.1 reboot testing with workaround script. I will move it to FIX AVAILABLE state and then close at Friday it.
Please comment on it until end of this week.

Comment by Jim Dumont [2025-04-28]

Gonzalo Poveda Alvaro Martin is this bug "fixed" with workaround script for reboot issue? If so, perhaps it can be moved to FIX AVAILABLE and labelled for UCC 1.1. 😊

Comment by Gonzalo Poveda [2025-03-26]

For UCC 1.1, we could not observed this issue as we have more relevant issue after system restart with multiple pods from different NFs.. Once this generic issues is solved, we will check whether this particular pod still have this reported issue in UCC 1.1 or not.

Comment by Meryam Nachi [2024-11-29]

Documeted in the II

Comment by Fredrik Gustavsson [2024-11-28]

Eric Fenger , yes, it was only as a linked ticket earlier. Regarding the project, it actually looks like CCRC belongs to PC, however I have the option to report on CCRC in the UDM Jira with CCRC, NRF, versions, etc. as valid options. In PC Jira, I cannot find these as valid options, only PCC and PCG.
It's also a complete silence related to this ticket since I raised it on Oct 7.

Comment by Eric Fenger [2024-11-28]

Fredrik Gustavsson I just asked to mention the ticket in this ticket which you did now !-) Is CCRC really belonging to PDU UDM, I think it is hosted by PDU PC.

Comment by Fredrik Gustavsson [2024-11-28]

Eric Fenger, I raised [UDM5GP-113197](#) earlier. Should I raise one in another project?

Comment by Eric Fenger [2024-11-28]

Fredrik Gustavsson : please, add the bug ticket on CCRC here.

Comment by Fredrik Gustavsson [2024-11-07]

Jim Dumont, blocked because it's blocked until we have a fix from CCRC. CP1 since we agreed in the TR board to document this (we also agreed to not provide an automatic workaround using isp-tool)

Comment by Jim Dumont [2024-11-07]

Fredrik Gustavsson - why blocked? and why for CP1?

Comment by Reema Sidhwani [2024-10-30]

To be discussed in TR board

[UCC_PLM-129] UCC 1.0 Software Installation Guide has incorrect statements about needed licenses

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Medium
Reporter:	Mats Persson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Acceptance Criteria:	Document updated.
Sprint:	UCC XFT2 Sprint 1
Epic Link:	Bug Backlog for UCC1.1
Team/s:	UCC_XFT2
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Current statements about needed licenses in the UCC 1.0 installation guide are misleading and incorrect.

https://cpistore.internal.ericsson.com/elex?LI=EN/LZN7041198/1R1A&FN=1_1531-HSC901198_1Uen.F.pdf&DT=Software+Installation+Guide

In chapter 5.3 Requirements for Licensing there are many incorrect statements about licenses needed for UCC 1.0, for example

- chapter 5.3.2 Licenses for CCD describes that certain licenses are needed for CCD (CCD Base Package, CCD on Bare metal host, CCD Single Server)

- chapter 5.3.3 Licenses for CNFs describes that separate licenses for each CNF is needed.

All below is not correct for UCC 1.0. And for CCD, these licenses are not the ones used for CCD-SS in UCC 1.0.

In UCC 1.0, you need to order an appropriate UCC license following the UCC Ordering Guide and the UCC ELIS Activation Guide. Following these you will have to install individual License Key Files for each CNF (including CCD).

Also, a correction of the references are needed:

[9] 2135-FGM 101 198/1 Uen: Ericsson Ultra Compact Core - License Ordering Guide

=> change title to "Ericsson Ultra Compact Core - Ordering Guide"

[10] 197 21-FGC 101 5198/1 Uen: Ericsson Ultra Compact Core - License Activation Guide

=> change title to "ELIS Activation Guide Ultra Compact Core"

Comments

Comment by [Mats Persson](#) [2024-11-05]

Looks good!

Thanks, Mats

Comment by [Kamal Ait Hammou](#) [2024-11-05]

I have clarified the licensing requirement in UCC installation guide.

In installation guide we will not describe the licensing details but we will refer to ordering guide.

Updated document link : [Ericsson Ultra Compact Core - Software Installation Guide.docx](#)

Comment by [Reema Sidhwani](#) [2024-10-30]

Document update. To be looked into.

[UCC_PLM-128] PLM Epic for UCC-118 - UCC Application: Resource profile

Created: 2024-10-03 Updated: 2025-04-23 Resolved: 2025-04-15

Status:	Cancelled
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	UCC Appliance 1.1.0

Type:	Epic	Priority:	Low
Reporter:	Daniel Smith C	Assignee:	Mats Persson
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Acceptance Criteria:	<ul style="list-style-type: none"> ▪ All User Stories are defined and completed to satisfy the need for this EPIC. ▪ All Tasks/Issues and other related work are defined, estimated and linked back to their User Stories within this EPIC ▪ All Dependencies to other F-stages or teams are delivered ▪ All Dependent elements are consumed and integrated from other teams.. ▪ All Tasks and Issues and other elements are closed and delivered ▪ There is a registry/record of the Sprint events that is available that shows the progress of the work overall and is linked in this EPIC (or general confluence) ▪ the FxChecklist for the relevant parts to this team are filled out and signed by the OSL/Delegate
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED
Epic Name:	PLM Epic for UCC-118 - UCC Application: Resource profile
Parent Link:	UCC-118UCC Application: Resource profile

Description

This EPIC serves for the UCC_PLM team to anchor their specific work related tasks to solve the [UCC-118 Feature Initiative \(UCC-MAIN\)](#).

OSL's/Scrum Masters should review the DISTILLATION/DISCOVERY AND CHARACTERISTICS of [UCC-118](#) and the following activities should be completed.:

Discovery / Acceptance - the OSL SHALL review the parent [UCC-118](#) and ensure that the content is understood and the overall "goal" of the parent EPIC is clear, as well as their specific team contribution overall.

Scope Of Work Estimation - Based on the Acceptance and understand above, the OSL (or delegate SHALL create the following objects and for each come up with a Time Estimate for completion (User Story are not "Estimable Objects" as they are written "once" and provide the foundation for the work - OSL's should allocate time to come up with appropriate Sub User Stories to define their work and provide context to Tasks, Issues, and other Jira objects they use in their planning

User Story Creation - the OSls, with their team or context, shall create User Story that following User Story principle (e.g "As an XXXX role, i want to be able to YYYY something) for each of the main task areas (Work) that they define below / within the context of this EPIC.

Task/Issue/Work Creation - **every** activity that a team will do, whether it be review/create a User Story, to writing a script, to testing something, to obtaining and dependency from elsewhere must be outlined in the EPIC - of course, Tasks and Issues can change over time (new ones, old dropped, refactor, etc). **All Tasks and Issues and Work MUST related back to a User Story within the EPIC, if there is tasks and work that dont "fit" (time lapse) the OSL/Delegate SHALL ensure there is a User Story that describes the "why" behind a group of Tasks/Issues/Work Creation.**

- **every Object (besides User Story) SHALL be marked with a Time Estimate** (its ok if you are wrong, but put something there as the TOTAL OF ALL THE TASKS/ISSUES sums to the Total Time for the EPIC).

Needed Dependencies/Assumptions/Dependents:

- the OSL shall outline during the evaluation of the EPIC against their teams tasks, what they are dependent on, what assumptions, they have made. **The OSL is responsible for calling out cross team dependencies to the Agile lead BEFORE accepting the EPIC and get confirmation that the dependency has been logged in their Board.**

- Consequently, the OSls SHALL ensure there are appropriate Tasks/Issues and backing to their dependents overall and ensure they have a link to where this EPIC (or other tasks) are chained to a different part of the F-process.

[UCC_PLM-127] PLM Epic for UCC-116 - UCC Application Reference Infrastructure Created: 2024-10-02 Updated: 2025-04-23 Resolved: 2025-04-15

Status:	Cancelled
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	UCC Application 1.1.0

Type:	Epic	Priority:	Low
Reporter:	Daniel Smith C	Assignee:	Mats Persson
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Acceptance Criteria:	<ul style="list-style-type: none">■ All User Stories are defined and completed to satisfy the need for this EPIC.■ All Tasks/Issues and other related work are defined, estimated and linked back to their User Stories within this EPIC■ All Dependencies to other F-stages or teams are delivered■ All Dependent elements are consumed and integrated from other teams..■ All Tasks and Issues and other elements are closed and delivered■ There is a registry/record of the Sprint events that is available that shows the progress of the work overall and is linked in this EPIC (or general confluence)■ the FxChecklist for the relevant parts to this team are filled out and signed by the OSL/Delegate
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED
Epic Name:	PLM Epic for UCC-116 - UCC Application Reference Infrastructure
Parent Link:	 UCC-116 UCC Application: Reference infrastructure

Description

This EPIC serves for the UCC PLM team to anchor their specific work related tasks to solve the [UCC-116](#) Feature Initiative (UCC-MAIN).

OSL's/Scrum Masters should review the DISTILLATION/DISCOVERY AND CHARACTERISTICS of [UCC-116](#) and the following activities should be completed.:

Discovery / Acceptance - the OSL SHALL review the parent [UCC-116](#) and ensure that the content is understood and the overall "goal" of the parent EPIC is clear, as well as their specific team contribution overall.

Scope Of Work Estimation - Based on the Acceptance and understand above, the OSL (or delegate SHALL create the following objects and for each come up with a Time Estimate for completion (User Story are not "Estimable Objects" as they are written "once" and provide the foundation for the work - OSL's should allocate time to come

up with appropriate Sub User Stories to define their work and provide context to Tasks, Issues, and other Jira objects they use in their planning

User Story Creation - the OSLs, with their team or context, shall create User Story that following User Story principle (e.g "As an XXXX role, i want to be able to YYYY something) for each of the main task areas (Work) that they define below / within the context of this EPIC.

Task/Issue/Work Creation - **every** activity that a team will do, whether it be review/create a User Story, to writing a script, to testing something, to obtaining and dependency from elsewhere must be outlined in the EPIC - of course, Tasks and Issues can change over time (new ones, old dropped, refactor, etc). **All Tasks and Issues and Work MUST related back to a User Story within the EPIC, if there is tasks and work that dont "fit" (time lapse) the OSL/Delegate SHALL ensure there is a User Story that describes the "why" behind a group of Tasks/Issues/Work Creation.**

- every Object (besides User Story) SHALL be marked with a Time Estimate (its ok if you are wrong, but put something there as the TOTAL OF ALL THE TASKS/ISSUES sums to the Total Time for the EPIC).

Needed Dependencies/Assumptions/Dependents:

- the OSL shall outline during the evaluation of the EPIC against their teams tasks, what they are dependent on, what assumptions, they have made. **The OSL is responsible for calling out cross team dependencies to the Agile lead BEFORE accepting the EPIC and get confirmation that the dependency has been logged in their Board.**

- Consequently, the OSLs SHALL ensure there are appropriate Tasks/Issues and backing to their dependents overall and ensure they have a link to where this EPIC (or other tasks) are chained to a different part of the F-process.

[UCC_PLM-126] PLM epic for UCC-27 UCC Application product variant Created: 2024-10-02 Updated: 2025-04-23 Resolved: 2025-04-15

Status:	Cancelled
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	UCC Appliance 1.1.0

Type:	Epic	Priority:	Low
Reporter:	Daniel Smith C	Assignee:	Mats Personn
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Acceptance Criteria:	<ul style="list-style-type: none"> ■ All User Stories are defined and completed to satisfy the need for this EPIC. ■ All Tasks/Issues and other related work are defined, estimated and linked back to their User Stories within this EPIC ■ All Dependencies to other F-stages or teams are delivered ■ All Dependent elements are consumed and integrated from other teams.. ■ All Tasks and Issues and other elements are closed and delivered ■ There is a registry/record of the Sprint events that is available that shows the progress of the work overall and is linked in this EPIC (or general confluence) ■ the FxChecklist for the relevant parts to this team are filled out and signed by the OSL/Delegate
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED
Epic Name:	PLM epic for UCC-27 UCC Application product variant
Parent Link:	 UCC-27 Characteristics: UCC Application product variant

Description

This EPIC serves for the UCC_PLM team to anchor their specific work related tasks to solve the [UCC-27](#) Feature Initiative (UCC-MAIN).

OSL's/Scrum Masters should review the DISTILLATION/DISCOVERY AND CHARACTERISTICS of [UCC-27](#) and the following activities should be completed.:

Discovery / Acceptance - the OSL SHALL review the parent [UCC-27](#) and ensure that the content is understood and the overall "goal" of the parent EPIC is clear, as well as their specific team contribution overall.

Scope Of Work Estimation - Based on the Acceptance and understand above, the OSL (or delegate SHALL create the following objects and for each come up with a Time Estimate for completion (User Story are not "Estimable Objects" as they are written "once" and provide the foundation for the work - OSL's should allocate time to come up with appropriate Sub User Stories to define their work and provide context to Tasks, Issues, and other Jira objects they use in their planning

User Story Creation - the OSLs, with their team or context, shall create User Story that following User Story principle (e.g "As an XXXX role, i want to be able to YYYY something) for each of the main task areas (Work) that they define below / within the context of this EPIC.

Task/Issue/Work Creation - **every** activity that a team will do, whether it be review/create a User Story, to writing a script, to testing something, to obtaining and dependency from elsewhere must be outlined in the EPIC - of course, Tasks and Issues can change over time (new ones, old dropped, refactor, etc). **All Tasks and Issues**

and Work MUST related back to a User Story within the EPIC, if there is tasks and work that dont "fit" (time lapse) the OSL/Delegate SHALL ensure there is a User Story that describes the "why" behind a group of Tasks/Issues/Work Creation.

- every Object (besides User Story) SHALL be marked with a Time Estimate (its ok if you are wrong, but put something there as the TOTAL OF ALL THE TASKS/ISSUES sums to the Total Time for the EPIC).

Needed Dependencies/Assumptions/Dependents:

- the OSL shall outline during the evaluation of the EPIC against their teams tasks, what they are dependent on, what assumptions, they have made. **The OSL is responsible for calling out cross team dependencies to the Agile lead BEFORE accepting the EPIC and get confirmation that the dependency has been logged in their Board.**

- Consequently, the OSls SHALL ensure there are appropriate Tasks/Issues and backing to their dependents overall and ensure they have a link to where this EPIC (or other tasks) are chained to a different part of the F-process.

[UCC_PLM-125] Missing revision of UCC Software Installation Guide Created: 2024-10-02 Updated: 2025-03-11 Resolved: 2025-02-17

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Meryam Nachi
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Defect code_qmt:	3- Usability
Sprint:	UCC XFT2 Sprint 1
Detected in phase:	PDU
Epic Link:	Bug Backlog for UCC1.1
Team/s:	UCC_XFT2
Severity_qmt:	4-Low/Cosmetic
Found in Build:	UCC Appliance 1.0.0
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

In UCC Application 1.0.0, the UCC - Software Installation Guide is delivered as a PDF file but it only has the information below to specify the revision:

2024-09-06 Rev © Ericsson AB 2024

This is not aligned with the Revision History chapter, that specifies:

Revision History

Revision	Modifications	Date	Author
A	UCC 1.0	2024-09-26	Kamal Ait Hammou

To be able to trace to the version of the document that a customer is using, the revision of the document must be present.

Comments

Comment by Reema Sidhwani [2024-10-30]

Document update only

[UCC_PLM-123] CNAT executable hidden in UCC SWGW package <small>Created: 2024-10-02 Updated: 2025-03-11 Resolved: 2025-02-17</small>						
Status:	Done					
Project:	UCC_PLM					
Component/s:	None					
Affects Version/s:	UCC Appliance 1.0.0					
Fix Version/s:	None					
Type:	Bug	Priority:	Low			
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned			
Resolution:	Closed	Votes:	0			
Labels:	None					
Remaining Estimate:	Not Specified					
Time Spent:	Not Specified					
Original Estimate:	Not Specified					
Attachments:						
Defect code_qmt:	3- Usability					
Detected in phase:	Staging					
Epic Link:	Bug Backlog for UCC1.1					
Team/s:	UCCPOCDEV					
Severity_qmt:	4-Low/Cosmetic					
Found in Build:	UCC Appliance 1.0.0					
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED					
<h4>Description</h4> <p>In the software gateway package for UCC 1.0.0, the UCC - Software Installation Guide (2024-09-06 Rev) describes the CNAT version required to be:</p> <p>Product Name: ucc-cnat Version: 1.10.1 SWGW ticket: T-158066 (https://swgw.ericsson.net/enovia/tvc-action/SWGObjectUrl?type=SWG+Ticket&rev=1&name=T-158066) Content: ucc-cnat-1.10.1.tar.gz</p> <p>However, after download, when unzipping the file, the following content is presented:</p> <pre>ericsson@dc-vpp:/Software/ucc1.0_artifacts_T-158066\$ unzip -l CXP2010396_1-R11B.zip Archive: CXP2010396_1-R11B.zip Length Date Time Name ----- ----- 27737480 2024-09-20 10:59 UCC_CNAT_1.10.1_-_Software_Record.gz 213438 2024-09-20 10:59 UCC_CNAT_-_FOSS_Licenses.pdf 2479 2024-09-20 10:59 SignatureFiles/UCC_CNAT_-_FOSS_Licenses_pdf.manifest.sha256 4377 2024-09-20 10:59 SignatureFiles/UCC_CNAT_1_10_1_-_Software_Record_gz.manifest.sha256.sig 4377 2024-09-20 10:59 SignatureFiles/UCC_CNAT_-_FOSS_Licenses_pdf.manifest.sha256.sig 2511 2024-09-20 10:59 SignatureFiles/UCC_CNAT_1_10_1_-_Software_Record_gz.manifest.sha256 ----- 27964662 6 files</pre> <p>The "UCC_CNAT_1.10.1_-_Software_Record.gz" is a gzipped tarfile and not a gzipped executable. Its name also differs from the listed content in the Installation Guide.</p> <p>The workaround in Windows is to rename to change the extension to ".tar.gz" or ".tgz". In Linux, the workaround is to untar the resulting file after the gunzip, or run gunzip/untar on the unmodified file.</p>						
<h4>Comments</h4> <p>Comment by Arno Masella [2024-10-15]</p> <p>Hi, The issue was caused by SWGW, which detects the filetype by the last suffix (.gz)! The file name is taken automatically from the Eridoc "Document title". I have fixed this now by editing the SW-Lists manually and reloaded the SWGW Boxes. The included files will now be visible with the original file names (ucc-isp-1.0.0.tar.gz, ucc-cnat-1.10.1.tar.gz, 1.0.0-ucc-ccpc-prov-tool-release.tar.gz).</p> <p>Comment by Fredrik Gustavsson [2024-10-03]</p> <p>Hi Arno Masella, could you please give your input related to this issue? After this ticket was raised, we have confirmed the same issue for ISP tool and CCPC Prov tool as well.</p> <p>Comment by Hector Caballero Rodriguez [2024-10-03]</p>						

The release process in the UCC-CNAT pipeline [1] uploads a tarred gzipped file to the UCC CNAT Release Artifactory repository called 'ucc-cnac-<version>.tar.gz' [2].

After this upload is done, this file is taken from the mentioned Artifactory repository and uploaded it to SWGW. The exact process for doing so is unknown to this team and, in consequence, the team does not have visibility on any change done to the file name/format/content after the upload to Artifactory.

I would suggest asking Arno Masella [Arno Masella](#) as he probably has more information about the SWGW upload process and the changes in the file naming and format.

On the other side, if changes are required to the naming, content and/or format of the files uploaded by the I&V pipeline to Artifactory repository, the team will be more than happy to take these requirements in an upcoming sprint.

[1] https://gitlab.rnd.gic.ericsson.se/ucc-appliance/ucc-cnac/-/ci/editor?branch_name=main

[2] <https://arm.sero.gic.ericsson.se/artifactory/proj-ucc-cnac-release-generic-local/ucc-cnac-1.10.1.tar.gz>

Comment by [Reema Sidhwani](#) [2024-10-03]

Should this be assigned to Hector or Marco since CNAT was delivered by I&V team?

[UCC_PLM-119] UCC BAH : tested prerequisites/procedure for installing a CA Certs at the time of initial deployment Created: 2024-10-01 Updated: 2024-10-25 Resolved: 2024-10-25

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2
Fix Version/s:	None

Type:	Bug	Priority:	Critical
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Manfred Haans
Resolution:	Rejected	Votes:	0
Labels:	BAH		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Defect code_qmt:	4- Process Definition Change
Sprint:	UCC-DEV-Sprint-18
Team/s:	UCCPOCDEV
Severity_qmt:	2- High
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello,

BAH does not want self-signed certificate.

BAH has plan to re-deploy UCC 0.2.0 to UCC 1.0.0 and asked to start installation with thier CA signed.

We are missing validated/tested procedure for installing a CA Certs at the time of initial deployment.

This ticket is a request to have procedure to support customer requirement.

Comments

Comment by [Fredrik Gustavsson](#) [2024-10-25]

As [Manfred Haans](#) states, this is a new requirement and not in scope for UCC Appliance 1.0.0 or UCC Appliance 1.0.1 plans.

Please work with the customer to clarify the need and raise this new requirement. Also, involve necessary people from the UCC team to ensure we have a good understanding of these needs.

Comment by [Mats Person](#) [2024-10-25]

Additional improvement suggestion from MANA / Debajit:

From: Debajit Mitra <debajit.mittra@ericsson.com>

Sent: Thursday, October 24, 2024 8:39 AM

Subject: RE: external authority certificates creation feedback

Hi All,

Just wanted bring this issue to our focus again. I believe that we are at wrong track with 100+ external certificates. There are ways to counter this such as

- Converging mTLS certificates to only server and client. Listing multiple NF fqdns under **SAN**.
- Similar approach for syslog, oam etc
- Also identify internal vs external certificates. External certificates need 3rd party CA signed, internal ones don't. For example, we have a bunch of CCD certificates in a UCC system that we don't touch.
- And please try our best not to wildcard

Based on UCC architecture, customer should be getting in total 4-6 Certificate Signing request per UCC.

BR

Debajit

Comment by [Manfred Haans](#) [2024-10-23]

This is a new requirement.

Comment by [AURELIA DINULESCU](#) [2024-10-09]

we had another request from TMobile if we can start with self signed certificates and add external authority signed certificates later.

[UCC_PLM-118] Unexpected roaming due to truncated MNC Created: 2024-09-27 Updated: 2025-04-28 Resolved: 2025-04-28

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2 , UCC Appliance 1.0.0
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Meryam Nachi
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Issue Links:	Association Associates with UCC_PLM-554 PLM: MANA BAH:16//PCX CNAT tool add a... Cancelled
	Associates with UCC_PLM-40 MANA BAH:16//PCX CNAT tool add additi... Rejected
	Associates with UCC_PLM-41 MANA BAH:17//CCXX 5GMM cause: N1 mode... Done
Defect code_qmt:	1- Functional
Detected in phase:	PDU
Team/s:	UCC_XFT2
Workaround:	This issue will have no impact unless installing a system in one of the following countries with a 3-digit MNC: 208 France 214 Spain 240 Sweden 276 Albania 350 Bermuda 374 Trinidad and Tobago 405 India 441 Japan 505 Australia 603 Algeria 714 Panama 738 Guyana In case of an impact, a tested workaround is to configure UDM to allow roaming to an MNC consisting of the two first digits of the 3-digit MNC. E.g. <pre>ccsmoam@ccda#show running-config udm roaming visited-plmn udm roaming visited-plmn allowed true udm roaming visited-plmn visited-plmn 240 67 ! udm roaming visited-plmn visited-plmn 240 678 !</pre>

Severity_qmt:	3- Medium
Found in Build:	UCC Appliance 1.0.0-rc2
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Using UCC 1.0.0 (PCC 1.32 CP4), the UE session is rapidly looping between established and deleted.

When looking into the logs, we see that the deletion cause is "ROAMING_NOT_ALLOWED" given by UDM (see packet 17 in pgw_ccda_smf-truncated_mnc.pcapng). We then see that the request to UDM from eric-pc-sm-http-client (packet 16) contains an MNC=67.

Our system is configured to use MCC=240 MNC=678, and the UE registration is established using this information (ue-registration.pcapng).

Looking at the pod logs we also see a warning that seems to indicate an unexpected MNC value:

```
{
  "version": "1.1.0",
  "timestamp": "2024-09-27T13:07:07.142+00:00",
  "severity": "warning",
  "service_id": "eric-pc-sm-smf-pgw-session",
  "metadata": {
    "pod_name": "eric-pc-sm-smf-pgw-session-d6cc8489f-s5p2d",
    "proc_id": "pgwcd"
  },
  "message": "[521] 29734 libnsmfmessageConverter: [521] uid=[8824789641358841465]
(suppressed 3 times in 10 s) convertPlmId: the MNC length is different from configured 240678"
}
```

Where is the MNC 67 introduced in the system?

This is an internal test system, and the workaround is to allow roaming to MNC 67:

```
ccsmoam@ccda#show running-config udm roaming visited-plmn
udm roaming visited-plmn allowed true
udm roaming visited-plmn visited-plmn 240 67
!
udm roaming visited-plmn visited-plmn 240 678
!
```

With that implemented, the UE session is established and stable.

Comments

Comment by [Fredrik Gustavsson](#) [2025-04-28]

Meryam Nachi, is this the same fix? The fix related to this ticket is an issue in SMF where a function rewrites the MNC before querying UDM according to a table of 3-digit-MNC vs 2-digit-MNC per MCCs.

The fix requires a new version of SMF software.

Comment by [Meryam Nachi](#) [2025-04-28]

Hi, the fix is available in UCC 1.1.

Comment by [Fredrik Gustavsson](#) [2024-10-18]

For UCC Appliance 1.0.0, this issue will have no impact unless installing a system in one of the following countries with a 3-digit MNC:

- 208 France
- 214 Spain
- 240 Sweden
- 276 Albania
- 350 Bermuda
- 374 Trinidad and Tobago
- 405 India
- 441 Japan
- 505 Australia
- 603 Algeria
- 714 Panama
- 738 Guyana

In case of an impact, a tested workaround is to configure UDM to allow roaming to an MNC consisting of the two first digits of the 3-digit MNC.

Comment by [Fredrik Gustavsson](#) [2024-10-18]

The PCC TR has been closed as resolved due to that a fix/workaround is available in PCC 1.32 CP8, PCC 1.33 CP1, and PCC 1.34.

A study will be conducted to find a more permanent solution.

Answer:

Confirmed by PO/SM (Robert Qu, Woods Wang),

Will raise PCIMP to fix MNC length issue after sufficient study finished.

For this TR, in the newer version that fix of PCTR-77431 and PCTR-83491 is included, the behavior is SMF will always use the local configured home-plmn and just prioritize the one same as imsi's plmn. Then this case works in the newer version, at least will not result to UDM rejection with 403. So, close TR with A1 code.

Comment by [Fredrik Gustavsson](#) [2024-10-11]

The root cause was identified:

Root cause:

MNC can be 2 or 3 digits long and leading 0 is significant.

There's a TR from T-Mobile Austria complaining that we have redundant 0 in MNC in PLMNID in CDR. And since there is no way to determine if MNC is 2- or 3-digit, in PCPB-20532, SMF introduced a hardcoded MCC list that the MCCs in it associated with 3-digit MNCs, and others associated with mix length (2-digit or 3-digit) MNCs.

But in code implement, for the MCC outside the list, the MNC length is wrongly set to 2-digit, which should be 2-digit or 3-digit.

Comment by [Fredrik Gustavsson](#) [2024-10-10]

I got a reply on the SMF TR from the design team, and they have reproduced the issue in their lab.

There is an MNC length validation in SMF and only listed MCCs can have 3-digit MNCs.

For MCC 240, it is not in this list (see image.png), but should, since there are 3-digit MNCs for it.

Comment by [Fredrik Gustavsson](#) [2024-10-09]

Unfortunately, after restarting the UE, I still see the incorrect MNC going from SMF to UDM.

Comment by [Fredrik Gustavsson](#) [2024-10-09]

Thanks Adrian,

yes, you are correct. This is what I get:

```
system_admin@pcx-ccda#show running-config mm imsins
mm imsins 240678
no-of-digits-to-remove 5
digits-to-add 86582
```

I've reconfigured these settings now using:

```
system_admin@pcx-ccda#config
system_admin@pcx-ccda(config)#mm imsins 240678 no-of-digits-to-remove 6
system_admin@pcx-ccda(config)#mm imsins 240678 digits-to-add 860810
system_admin@pcx-ccda(config)#commit
```

I will proceed to run some new tests

Comment by [Fredrik Gustavsson](#) [2024-10-09]

The previous ticket has been closed due to being reported in the wrong queue. A new ticket has been created: PCTR-87123 (<https://pdupc-jira.internal.ericsson.com/browse/PCTR-87123>)

Comment by [Adrian-Bogdan Iliescu](#) [2024-10-09]

Hi Fredrik,

Can you please double check configuration in mm related to imsi and supi?

It may be a problem due to the fact that your mcc+mnc have 6 digits and by default in mm we are removing just 5:

```
show running-config mm imsins
```

```
no-of-digits-to-remove 5
```

```
digits-to-add 86582
```

..

```
show running-config mm supi-range
```

..

Comment by [Fredrik Gustavsson](#) [2024-10-08]

The Packet Core Controller Service Desk TR (PCGW-51050) was just closed, and the recommendation is to raise an MHWeb TR to continue the work.

Comment by [Fredrik Gustavsson](#) [2024-10-07]

I'm not sure if we might be dealing with two bugs here. I don't see that they are mentioning anything about support for 3-digit MNCs.

Even with the proposed fix, we might still have an erroneous converter.

In our case, we never injected the MNC=67 from either the UE or the PCC configuration. This was constructed by SMF as far as I can tell from the existing logs.

Btw, the fix for IA89221 is in PCC 1.34

Comment by [Rajan Rajeshprasad Gupta](#) [2024-10-07]

This is bug in PCC release. Fix is in next release [Unfortunately we are using PCC release which has this bug in UCC]

TR Edit - IA89221 (ericsson.se)

Answer category:

Fault

Answer code:

Will be corrected

B2: To be corrected in later issue of the product

INTROD:

Q: Other

Answer:

CONDITION IN WHICH THIS FAULT IS TRIGGERED:

SMF sends UDM registration request, IMSI is not included in home-plmn list

DESCRIPTION OF THE FAULT:

UDM registration fails.

IMPACT ON THE CUSTOMER NETWORK:

Create session fails.

WORKAROUND:

WHAT INTRODUCED THIS FAULT

(If the fault is caused by PCTR, PCIMP or a PCB feature use "is caused by" in linked issue as well.

If not able to identify, try to defined how long the fault has been there e.g. legacy):

WHAT IS THE TR FINGERPRINT:

DESCRIPTION OF THE CORRECTION:

The plmn id included in UDM registration request will follow below rules:

o If only single PLMN Id is configured in SMF/H-SMF (home routed), use the configured PLMN ID in SMF, the implement logic can use the following "multiple PLMN Id logic" as common logic or simple logic as the requirement, designer can decide the used approach, "multiple PLMN Id logic" is suggested to keep the uniform and ease of maintenance.

o If multiple PLMN Id is configured in SMF/H-SMF (home routed):

For unauthenticated emergency session, always use the default PLMN Id;

For any other sessions, uses the PLMN in SUPI to match the PLMN Ids that has been registered to NRFS:

If matched, uses the corresponding PLMN ID in SUPI;

Otherwise, use default PLMN Id;

default PLMN Id is determined by:

If selective-home-plmn is configured, uses the first configured PLMN Id;

Otherwise, use the first configured PLMN-ID in home-plmn list

Comment by [Fredrik Gustavsson](#) [2024-09-27]

A ticket has been created PCGW-51050 (<https://pdupc-jira.internal.ericsson.com/servicedesk/customer/portal/12/PCGW-51050>)

[UCC_PLM-117] Hardcoded subs_range in CCSM and CCDM Created: 2024-09-25 Updated: 2025-03-11 Resolved: 2025-02-17

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Critical
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1, UCC_Appliance_1.0.1_RN		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Defect code_qmt:	1- Functional
Sprint:	UCC-DEV-Sprint-16
Detected in phase:	PDU
Epic Link:	Bug Backlog for UCC1.1
Team/s:	UCCPOCDEV
Severity_qmt:	1- Critical
Found in Build:	UCC Appliance 1.0.0-rc2
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

In CCSM, the subscriber range is hardcoded in:

<config_dir>/config/ccd[ab]/ccsm/site.yaml

```
subs_range:  
  supi_start: '244990000000000'
```

```
supi_end: '244999999999999'  
gpsi_start: '860810000000000'  
gpsi_end: '860819999999999'
```

(updated after Rajan's comments below)

In CCDM, this is hardcoded in:

```
<config_dir>/config/ccd[ab]/ccdm/site.yaml
```

This will prevent NRF lookups for UEs outside this range.

Comments

Comment by [Arron Kuang](#) [2024-09-30]

Deployment guide updated to remove WA added by Gonzalo.

Comment by [Vibhor Jain](#) [2024-09-30]

Deployment guide also to be updated accordingly.

Comment by [Arron Kuang](#) [2024-09-30]

Hello,

The the hardcode subs range in <config_dir>/config/ccd[ab]/ccsm/site.yaml removed. For now, the range can be updated in LLD and reflected in config files.

Br/Arron

Comment by [Kamal Ait Hammou](#) [2024-09-29]

Hi Arron,

LLD updated now with the SUPI/GPSI variables. You can implement the code changes.

Br,

Kamal

Comment by [Arron Kuang](#) [2024-09-26]

Hello,

Yes, the supi rang is hardcode, and we added a step to remind customer to updated it for the time being. Then we are planning to improve it, put the rang in LLD as a variable in UCC1.1.

Br/Arron

Comment by [Fredrik Gustavsson](#) [2024-09-26]

Thanks [Gonzalo Poveda](#), please ensure to also ask for updates of the CCDM site.yaml.

Comment by [Gonzalo Poveda](#) [2024-09-26]

Deployment guidelines updated in sections: 12.7 and 12.8:

new step added:

The SUPI ranges (subs_range: supi_start/ supi_end) are hardcoded in site.yaml file, so if you require different range values, please edit site.yaml for both clusters and change accordingly:

```
cd <config_dir>/config/ccda/ccsm
```

```
vi site.yaml
```

```
cd <config_dir>/config/ccdb/ccsm
```

```
vi site.yaml
```

Comment by [Gonzalo Poveda](#) [2024-09-26]

only site.yaml files must be updated as the rest of configuration file takes the values from there at deploying time.

long-term solution is to add those parameters as part of LLD and then, in site.yaml files, those parameter values must be autogenerated from LLD

WA for UCC1.0: a extra note will be added into guideline to change those values in site.yaml manually before deployment

Comment by [Rajan Rajeshprasad Gupta](#) [2024-09-25]

2 Places hardcoded. CCSM and CCDM:

```
./config/ccdb/ccsm/ausf_conf.xml: <supi-range>
```

```
./config/ccdb/ccsm/ausf_conf.xml: <supi-start>244990000000000</supi-start>
```

```
./config/ccdb/ccsm/ausf_conf.xml: <supi-end>244999999999999</supi-end>
```

```
./config/ccdb/ccsm/ausf_conf.xml: </supi-range>
```

```
./config/ccdb/ccsm/site.yaml: supi_start: '244990000000000'
```

```
./config/ccdb/ccsm/site.yaml: supi_end: '244999999999999'
```

```
ucc@ucc-jh-b8:~/config$ find . -type f | xargs grep -i supi | grep 244999
```

```
./config/ccda/ccdm/udr-config.xml: <supi-end>244999999999999</supi-end>
```

```

./config/ccda/ccdm/site.yaml: supi_end: '244999999999999'
./config/ccda/ccsm/udm_conf_common_0-mtls.xml: <supi-end>244999999999999</supi-end>
./config/ccda/ccsm/ausf_conf.xml: <supi-end>244999999999999</supi-end>
./config/ccda/ccsm/site.yaml: supi_end: '244999999999999'
./config/ccdb/ccdm/udr-config.xml: <supi-end>244999999999999</supi-end>
./config/ccdb/ccdm/site.yaml: supi_end: '244999999999999'
./config/ccdb/ccsm/udm_conf_common_0-mtls.xml: <supi-end>244999999999999</supi-end>
./config/ccdb/ccsm/ausf_conf.xml: <supi-end>244999999999999</supi-end>
./config/ccdb/ccsm/site.yaml: supi_end: '244999999999999'

```

[UCC_PLM-116] UCC MCN : Duplicate IP address used in LLD (172.16.0.25) Created: 2024-09-25 Updated: 2025-03-11 Resolved: 2025-02-17

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Kamal Ait Hammou
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1, UCC_Appliance_1.0.1_RN		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	 image-2024-09-25-16-04-45-951.png	 UCC-MCN-CCD-IPChange-MOP.txt	
Issue Links:	Duplicate		
	is duplicated by	UCC_PLM-100	Router config: incorrect IP and BGP N... Duplicated
Sprint:	UCC-DEV-Sprint-16, UCC-DEV-Sprint-18		
Epic Link:	Bug Backlog for UCC1.1		
Team/s:	UCC_XFT2		
Severity_qmt:	2- High		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello,

While I was working with MC-PTT guys to do Rx Testing.

We discover IP collision issue in LLD. Let me know once you are free to discuss if we did this purposely or mistakenly.

CCDA: 172.16.0.25 is re-used twice for sig_cn_ext gw and registry.

1. NETWORKS										
CLUSTER	FUNCTION	Network	Type	VLAN ID	TAGGED	Network Instance	ASN	SUBNET	IP Assig	
ccda	ccd	ccd_oam	ovs	1100	tagged	oam ucc : 4251110001 router : 4251100001	10.92.239.0/28	10.92.239.0/28	gateway_ip	bmc_ip
		ecfe_oam	ovs	1101	tagged			10.92.239.16/29	gateway_ip	cccd_oam_ip
		ccd_int	ovs	1102	tagged		172.16.0.16/28 ucc : 4251100002 router : 4251100002	172.16.0.16/28	gateway_ip	cccd_internal_ip
		ecfe_sig	ovs	1104	tagged			172.16.0.0/29	gateway_ip	cccd_internal_ip_range_end
		ecfe_sig_data	ovs	1105	tagged			172.16.0.8/29	gateway_ip	cccd_control_plane_internal_vip
		ecfe_sig_ext	ovs	1103	tagged			172.16.0.24/29	gateway_ip	eph_internal_ip
									gateway_ip	cccd_registry_vip
ccdb	cod	ccd_oam	ovs	1100	tagged	oam ucc : 4251110001 router : 4251100001	10.92.239.0/28	10.92.239.0/28	gateway_ip	bmc_ip
		ecfe_oam	ovs	1101	tagged			10.92.239.16/29	gateway_ip	cccd_oam_ip
		ccd_int	ovs	1102	tagged		172.16.0.16/28 ucc : 4251100002 router : 4251100002	172.16.0.16/28	gateway_ip	cccd_control_plane_external_vip
		ecfe_sig	ovs	1104	tagged			172.16.0.0/29	gateway_ip	cccd_internal_ip
		ecfe_sig_data	ovs	1105	tagged			172.16.0.8/29	gateway_ip	cccd_internal_ip_range_end
		ecfe_sig_ext	ovs	1103	tagged			172.16.0.24/29	gateway_ip	cccd_control_plane_internal_vip
									gateway_ip	eph_internal_ip
									gateway_ip	cccd_registry_vip
									gateway_ip	cccd_sig_ip

Comments

Comment by Fredrik Gustavsson [2024-11-06]
Thanks Kamal Ait Hammou!
Comment by Kamal Ait Hammou [2024-11-06]
Hi Fredrik Gustavsson : eph_internal_ip is the same by design , it is used to bootstrap the CCD . then it is not used
Comment by Reema Sidhwani [2024-10-30]
Config files and LLD update needed. To be checked if any TOL update is needed.
Comment by Fredrik Gustavsson [2024-10-04]
Kamal Ait Hammou, we also see that "eph_internal_ip" at 172.16.0.24 is the same for both CCD-A and CCD-B. Is this by design or a conflict?
Comment by Kamal Ait Hammou [2024-09-29]
Hello, Final solution implemented in UCC software files.
Br, Kamal
Comment by Rajan Rajeshprasad Gupta [2024-09-26]
Thanks Kamal. attached clear MOP for changes required in CCD and R6K as part of WA.
Tested in DEACUCC1A. https://eteamproject.internal.ericsson.com/secure/attachment/7747160/UCC-MCN-CCD-IPChange-MOP.txt
Comment by Kamal Ait Hammou [2024-09-25]
Fo IP change in CCD here is the commands :
1. 1. 1. On CCD-A cluster
sudo nmcli connection modify ecfe_sig_ext-if ipv4.addresses "172.16.0.34/29"
sudo nmcli connection up ecfe_sig_ext-if
sudo nmcli connection modify ecfe_sig_ext-if ipv4.routing-rules "priority 30000 from 10.92.239.216/30 table 203, priority 30000 from 172.16.0.32/29 table 203, priority 30000 to 10.92.239.220/30 table 203"
sudo nmcli connection up ecfe_sig_ext-if
1. 1. 1. On CCD-B cluster
sudo nmcli connection modify ecfe_sig_ext-if ipv4.addresses "172.16.0.34/29"
sudo nmcli connection up ecfe_sig_ext-if
sudo nmcli connection modify ecfe_sig_ext-if ipv4.routing-rules "priority 30000 from 172.16.0.32/29 table 203, priority 30000 to 10.92.239.216/30 table 203, priority 30000 from 10.92.239.220/30 table 203"

sudo nmcli connection up ecfe_sig_ext-if

Comment by [Kamal Ait Hammou](#) [2024-09-25]

Hi Rajan,

I confirm that the subnet used by ecfe_sig_ext is overlapping with ccd_int .

To fix the issue we need to configure new subnet for ECFE (sig_ext) used by CCPC.

1- change the ecfe_sig_ext subnet to 172.16.0.32/29 (gateway_ip: 172.16.0.33 and ecfe_sig_ext_ip: 172.16.0.34)

2- Change CCD IP addressing to use new ecfe_sig_ext_ip

3- change ECFE configmap with new IP

4- Check that BGP peering between ECFE and router is UP

5- Check that Rx IP is correctly advertised

The final fix will be included to UCC 1.1 release.

Br,

Kamal

Comment by [Rajan Rajeshprasad Gupta](#) [2024-09-25]

Fix required manual action in DC-GW IP change and ecfe configuration change.

[UCC_PLM-114] UCC MCN: rx is not able to established as ecfe is unable to advertise/assign rx vip Created: 2024-09-23 Updated: 2025-03-11 Resolved: 2025-02-17

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Kamal Ait Hammou
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Other Assignees:	Kamal Ait Hammou
Sprint:	UCC-DEV-Sprint-16
Epic Link:	Bug Backlog for UCC1.1
Team/s:	UCCPOCDEV
Severity_qmt:	2- High
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello,

Issue: rx is not able to established as ecfe is unable to advertise/assign rx vip

eric-stm-diameter-traffic-tcp-ipv4 LoadBalancer 10.100.89.141 <pending> 3868/TCP

While checking ecfe configuration, I do see we have ecfe pool configured for both sig and sig-ext vrf.

eccd@ucc-ccda:~> kubectl get cm ecfe-ccdadm -nkube-system -ojson | jq -r .data.config

bgp-peers:

- peer-address: 172.16.0.1
peer-asn: 4251100002
my-asn: 4251110002
hold-time: 3s
my-address-pools:
 - vip-pool-sig

- peer-address: 172.16.0.9
peer-asn: 4251200007
my-asn: 4251210007
hold-time: 3s
my-address-pools:
- vip-pool-sig-data
- peer-address: 172.16.0.25
peer-asn: 4251200008
my-asn: 4251210008
hold-time: 3s
my-address-pools:
- vip-pool-sig-ext
- peer-address: 10.92.238.17
peer-asn: 4251100001
my-asn: 4251110001
hold-time: 3s
my-address-pools:
- vip-pool-oam
address-pools:
1. Sig_Pool
- name: vip-pool-sig
protocol: bgp
addresses:
- 172.16.2.64/27
auto-assign: false
1. Sig_Data_Pool
- name: vip-pool-sig-data
protocol: bgp
addresses:
- 172.16.2.96/27
auto-assign: false
1. Sig_Ext_Pool
- name: vip-pool-sig-ext
protocol: bgp
addresses:
- 10.92.238.216/30
auto-assign: false
1. OAM_Pool
- name: vip-pool-oam
protocol: bgp
addresses:
- 10.92.238.64/27
auto-assign: false

However, when I see definition of helm deployment. I don't see pool assignment in pod definition.

```
eccc@ucc-ccda:~> helm get values eric-ccpc -n ep5g -o yaml | grep -A 20 -B 5 eric-stm-diameter
  timeout: "30"
eric-slt-dsl:
initialConfig:
dsl:
enableIPv6: false
eric-stm-diameter:
resources:
diameter:
limits:
cpu: 225m
memory: 200Mi
requests:
cpu: 175m
memory: 150Mi
dsl:
limits:
cpu: 500m
```

```

memory: 400Mi
requests:
  cpu: 80m
  memory: 200Mi
global:
  autoScaling:
    enabled: false
  database:
  multiSite:

```

While similar check on n7 is fine:

```

eric-ingressgw-pcf-traffic          LoadBalancer 10.106.195.168 172.16.2.75 443/TCP,10334/TCP,31000/TCP
eccd@ucc-ccda:~> helm get values eric-ccpc -n ep5g -o yaml | grep -A 20 -B 5 eric-ingressgw-pcf-traffic
  service:
    annotations:
      addressPoolName: vip-pool-sig
      sharedVIPLabel: vip-pool-sig
      loadBalancerIP: 172.16.2.99
  eric-ingressgw-pcf-traffic:
    dscpDualStack: false
    enabled: true
    externalTrafficPolicy: Cluster
  ports:
    - name: https-mtls
      port: 443
      targetPort: 8443
    - name: tcp-kvdb-loc
      port: 10334
      targetPort: 10334
    - name: tcp-kvdb-recv
      port: 31000
      targetPort: 31000
  service:
    annotations:
      addressPoolName: vip-pool-sig
      cloudProviderLB: {}
      sharedVIPLabel: vip-pool-sig
      loadBalancerIP: 172.16.2.75
  eric-nrfagent:

```

Do we miss anything in day0 files or I am wrong?

There is also bit of confusion in right IP for rx connection for MC-PTT.

As per my understanding we should use "ccpc_4g" however they were saying they would like to use dedicated VRF IP "ccpc_rx". So I requested them to wait for feedback.

ccpc				172.16.3.74/32	ccpc_4g	172.16.3.74	OK	
------	--	--	--	----------------	---------	-------------	----	--

pcx	ecfe_sig_ext_vips	ecfe-vip		sig_ext	10.92.238.220/32	ccpc_rx	10.92.238.220	OK	
-----	-------------------	----------	--	---------	------------------	---------	---------------	----	--

++++++

Partial(some of configuration is hardcoded) Fix by following below steps based on feedback from Gonzalo:

Step1: To correct names and value for pod

/home/deacucc1/ucc/drop1.0_rc2/config/templates/pcx/values-ccpc.yaml.jinja2

add:

```
{%- set sig_vip_pool_ext = vippools[nodeName].ccd.vip_pool_sig_ext.poolname -%}
```

```
add:  
eric-stm-diameter:  
service:  
    externalIPv4:  
        enabled: true  
    annotations:  
        addressPoolNameDiameterOverTCP: sig_vip_pool_ext  
        sharedVIPLabelDiameterOverTCP: sig_vip_pool_ext  
loadBalancerIPDiameterOverTCP: 10.92.238.216
```

Step2: To change hardcoded ccpc-4g-traffic value to match LLD.

```
cd ~/ucc/drop1.0_rc2/config/ccda/pcx  
vi eric-ccpc-additions/values.yaml
```

Change below 2 parameters to same name as ecfe ie "vip-pool-sig-ext".eric-ccpc-additions/values.yaml: addressPoolNameDiameterOverTCP: "ccpc-4g-traffic"
eric-ccpc-additions/values.yaml: addressPoolNameDiameterOverTCP: "ccpc-4g-traffic"

Ticket is raised to align **configuration** so manual changes and parameterization in CNAT is not required.

This is blocker for MCN team testing for MC-PTT.

Comments

Comment by Rajan Rajeshprasad Gupta [2024-10-29]

To discuss with Gongalo to remove ccpc_4g vip from day0 files.

Comment by Kamal Ait Hammou [2024-10-02]

The final fix is delivered in the ticket UCC_PLM-116 https://eteamproject.internal.ericsson.com/browse/UCC_PLM-116

Comment by Adrian-Bogdan Iliescu [2024-09-26]

[Birom Bah](#) Can you please check why ECFE BGP is down for vip-pool-sig-ext:

- peer-address: 172.16.0.1
peer-asn: 4251100002
my-asn: 4251110002
hold-time: 3s
my-address-pools:
 - vip-pool-sig
 - peer-address: 172.16.0.9
peer-asn: 4251200007
my-asn: 4251210007
hold-time: 3s
my-address-pools:
 - vip-pool-sig-data
 - peer-address: 172.16.0.23
peer-asn: 4251200008

```

my-asn: 4251210008
hold-time: 3s
my-address-pools:
■ vip-pool-sig-ext
■ peer-address: 10.92.239.17
peer-asn: 4251100001
my-asn: 4251110001
hold-time: 3s
my-address-pools:
■ vip-pool-oam
address-pools:

Can you please check!?

CCPC part is not fixed:

eccd@ucc-cdda:~/ccpc_prov> helm get values eric-ccpc -n ep5g -o yaml | grep -A 30 eric-stm-diameter
eric-stm-diameter:
initialConfig:
dsl:
enableIPv6: false
resources:
diameter:
limits:
cpu: 225m
memory: 200Mi
requests:
cpu: 175m
memory: 150Mi
dsl:
limits:
cpu: 500m
memory: 400Mi
requests:
cpu: 80m
memory: 200Mi
service:
annotations:
cloudProviderLB: {}
certificates:
asymmetricKeyCertificateName: diameter-tls
trustedCertificateListName: diameter-tls
externalIPv4:
annotations:
addressPoolNameDiameterOverTCP: vip-pool-sig-ext
sharedVIPLabelDiameterOverTCP: vip-pool-sig-ext
enabled: true
loadBalancerIPDiameterOverTCP: 10.92.239.216

```

Thank you

[\[UCC_PLM-111\] Incorrect UCA healthcheck commands](#) Created: 2024-09-20 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Original Estimate:	Not Specified			
Issue Links:	Blocker Contains blockers	UCCPOCDEV-630	Incorrect UCA healthcheck commands	Done
Defect code_qmt:	3- Usability			
Detected in phase:	PDU			
Team/s:	UCCPOCDEV			
Severity_qmt:	3- Medium			
Found in Build:	UCC Appliance 1.0.0-rc2			
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			

Description

In the UCC Software Installation Guide (1/1531-HSC 901 198/1 Uen, PF5), part of UCC 1.0.0-rc2, the UCA Healthcheck in chapter 16.5, the first step 11a (page 163) and the second step 11a (page 164) contains commands where certificates are incorrectly located under the folder <config_dir>/config/certificates.

The correct folder for certificates is <config_dir>/certificates

In addition, the commands are complicated to run since in many locations we need to update the <config_dir> and the oam.eda URL.

A suggestion is to rewrite the commands from:

```
RESULT=`curl -v -X POST -H "Content-Type: application/x-www-form-urlencoded" -d @<config_dir>/config/ccda/eda/provisioning/access_token_cai3g.txt https://oam.eda-deacucc2a.deac.ericsson.se/oauth/v1/token --cert <config_dir>/config/certificates/ccda/eda/oam/tls.crt --key <config_dir>/config/certificates/ccda/eda/oam/tls.key --cacert <config_dir>/config/certificates/ca.crt`
```

To:

```
config_dir=<config_dir> && RESULT=$(curl -v -X POST -H "Content-Type: application/x-www-form-urlencoded" -d
@${config_dir}/config/ccda/eda/provisioning/access_token_cai3g.txt https://$(awk -F, ' /oam\.eda-/ { print $2 }' ${config_dir}/config/ccda/ccrc/dns/ccrc_dns_a_records_oam_zone.csv)/oauth/v1/token --cert ${config_dir}/certificates/ccda/eda/oam/tls.crt --key
${config_dir}/certificates/ccda/eda/oam/tls.key --cacert ${config_dir}/certificates/ca.crt)"
```

And from:

```
curl -v -X GET -H "Content-Type: application/json" -H "Authorization: Bearer $TOKEN" https://oam.eda-deacucc2a.deac.ericsson.se/cm-rest/v1/network-elements --cert
<config_dir>/config/certificates/ccda/eda/oam/tls.crt --key <config_dir>/config/certificates/ccda/eda/oam/tls.key --cacert <config_dir>/config/certificates/ca.crt
```

To:

```
config_dir=<config_dir> && curl -v -X GET -H "Content-Type: application/json" -H "Authorization: Bearer $TOKEN" https://$(awk -F, ' /oam\.eda-/ { print
$2 }' ${config_dir}/config/ccda/ccrc/dns/ccrc_dns_a_records_oam_zone.csv)/cm-rest/v1/network-elements --cert
${config_dir}/certificates/ccda/eda/oam/tls.crt --key ${config_dir}/certificates/ccda/eda/oam/tls.key --cacert ${config_dir}/certificates/ca.crt | jq .
```

Comments

Comment by [Vibhor Jain](#) [2024-09-24]

The commands have been corrected in the latest deployment guide as per <https://eteamproject.internal.ericsson.com/browse/UCCPOCDEV-630>.

[UCC_PLM-110] Not-allowed YANG CLI comments causes syntax errors

Created: 2024-09-20 Updated: 2025-03-11 Resolved: 2025-02-17

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocker Contains blockers Duplicate duplicates	UCCPOCDEV-629 UCCPOCDEV-557	Not-allowed YANG CLI comments causes ... Bug Backlog for UCC1.1	Done In Progress
Defect code_qmt:	2- Look and Feel			
Sprint:	UCC-DEV-Sprint-16			
Detected in phase:	PDU			
Epic Link:	Bug Backlog for UCC1.1			
Team/s:	UCCPOCDEV			
Severity_qmt:	4-Low/Cosmetic			
Found in Build:	UCC Appliance 1.0.0-rc2			
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			

Description

During the PCx deployment, when applying configs, we see several "syntax error" occurrences.

These errors are not causing any issue with the later configuration, and are only incorrectly written comments that can be fixed by prefixing them with a "!".

```
2024/09/19 21:58:19 INFO [pipeline.load_cmyp_app_config._run:62]: Loading CMYP config from file: /home/ucc/config/config/ccda/pcx/pc-mm-config.txt
2024/09/19 21:58:19 DEBUG [utils.ssh.f:23]: Connecting '172.20.180.64' by SSH at port '22' with user 'system_admin'
2024/09/19 21:58:19 DEBUG [utils.ssh.f:26]: Password: Pv28@!nwT0.9#Ax$
2024/09/19 21:58:19 DEBUG [utils.ssh.f:33]: Connected '172.20.180.64' by SSH password
2024/09/19 21:58:19 DEBUG [utils.ssh.load_cm_yang_config_from_file:167]: Using SSH protocol
2024/09/19 21:58:19 DEBUG [utils.ssh.ssh_expect:52]: Waiting for string: '#'
2024/09/19 21:58:19 DEBUG [utils.ssh.ssh_expect:60]: Received:
Welcome^M
Last login time: Thu Sep 19 21:56:03 2024^M
^M
system_admin connected from 172.20.180.18 using ssh on @pcx-ccda^M
^[[?hsystem_admin@pcx-ccda#
2024/09/19 21:58:19 DEBUG [utils.ssh.ssh_expect:52]: Waiting for string: 'Commit complete.'
2024/09/19 21:58:19 DEBUG [utils.ssh.ssh_expect:71]: Received:
#####
-----^M
syntax error: expecting '^M
autowizard      - Automatically query for mandatory elements^M
change-password - Change the password of current user^M
clear           - Clear parameter^M
complete-on-space - Enable/disable completion on space^M
config          - Manipulate software configuration information^M
describe        - Display transparent command information^M
```

Comments

Comment by [Adrian-Bogdan Iliescu](#) [2024-09-26]

Configuration pushed to GIT,
it will be available in next release.

Waiting for git merge!

Comment by [Vibhor Jain](#) [2024-09-20]

Hi Fredrik,

I have created a corresponding POCDEV ticket for now so that I can assign it and someone can work on it.

Adrian was not able to pick the PLM ticket.

I will discuss with Jim on the process and get back to you.

Regards

Vibhor Jain

[UCC_PLM-109] Hardcoded MNC/MCC in PCx config template Created: 2024-09-19 Updated: 2025-03-11 Resolved: 2025-02-17

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Critical
--------------	-----	------------------	----------

Reporter:	Fredrik Gustavsson	Assignee:	Adrian-Bogdan Iliescu
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1, UCC_Appliance_1.0.1_RN		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks		
	is blocked by	UCCPOCDEV-628	PLM: Hardcoded MNC/MCC in PCx config ...
Defect code_qmt:	1- Functional		
Sprint:	UCC-DEV-Sprint-16		
Detected in phase:	PDU		
Epic Link:	Bug Backlog for UCC1.1		
Team/s:	UCCPOCDEV		
Severity_qmt:	1- Critical		
Found in Build:	UCC Appliance 1.0.0-rc2		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

In the <config_dir>/config/templates/pcx/pc-mm-config.txt.jinja2, there is a section containing:

```
mm dns 5gc.mnc{{mnc}}.mcc{{mcc}}.3gppnetwork.org.
query-type recursive
max-cache-ttl 604800
max-local-cache-ttl 300
dns-communication-mode central
dns-server dns1.mnc099.mcc244.3gppnetwork.org.
dns-server-address {{ccrc[nodeName].dnsip}}
!
!
dns-server dns2.mnc099.mcc244.3gppnetwork.org.
dns-server-address {{ccrc[nodeNameOther].dnsip}}
!
!
```

We believe that this should be corrected to:

```
mm dns 5gc.mnc{{mnc}}.mcc{{mcc}}.3gppnetwork.org.
query-type recursive
max-cache-ttl 604800
max-local-cache-ttl 300
dns-communication-mode central
dns-server dns1.mnc{{mnc}}.mcc{{mcc}}.3gppnetwork.org.
dns-server-address {{ccrc[nodeName].dnsip}}
!
!
dns-server dns2.mnc{{mnc}}.mcc{{mcc}}.3gppnetwork.org.
dns-server-address {{ccrc[nodeNameOther].dnsip}}
!
!
```

Comments

Comment by [Adrian-Bogdan Iliescu](#) [2024-09-26]

Configuration pushed to GIT,
it will be available in next release.

Waiting for git merge!

Comment by [Vibhor Jain](#) [2024-09-23]

The issue is handled by adding a manual step to the deployment guide and it will be fixed in the config files in UCC 1.1 or CP1.

[UCC_PLM-108] CCSM-UDM registration issue on NRF Post Power ON UCC Created: 2024-09-18 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM

Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	<input type="checkbox"/> Telefonica-UDM-Issue_17-9-2024.7z
Defect code_qmt:	1- Functional
Sprint:	UCC Sprint 14
Team/s:	UCCPOC
Severity_qmt:	1- Critical
Found in Build:	0.2.2
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hi Team,
In Telfonica PoC from 0.2.2 drop- customer complained for 5GSA call not working after Power On activity of UCC. UDM was unable to send initial registration request to CCRC.
From initial health checks- we observed that UDM was not registered on NRF for both the clusters.
Key observations from health checks:-
1. High restart counts observed for eric-nrf-register, discovery & nrfgw services pod in CCSM. eccd@ucc-ucc1a:~> kubectl get pod -n cccm grep -i nrf eric-ccsm-autonrf-554b7b8b46-rxgct 1/1 Running 30 (26h ago) 81d eric-ccsm-nrfgw-74f95f787f-wmcxz 2/2 Running 60 (26h ago) 81d eric-ingressgw-nrfagent-internal-traffic-7847784b7c-f4rv5 1/1 Running 30 (26h ago) 81d eric-nrf-discovery-agent-cb64cdc55-kl9qf 3/3 Running 87 (26h ago) 81d eric-nrf-notify-agent-77667679f8-phwpd 2/2 Running 58 (26h ago) 81d eric-nrf-register-agent-597b8b4984-2k24s 3/3 Running 87 (26h ago) 81d eric-udm-iratsndereg-69f484c5c5-clnrf 1/1 Running 30 (26h ago) 81d
2. High restart counts observed for eric-nrf-register, discovery & nrfgw services pod in CCRC. eccd@ucc-ucc1a:~> kubectl get pod -n ccrc grep -i manage eric-nrf-management-6fc9f457d-b4h5t 4/4 Running 116 (23h ago) 82d eric-nrf-management-notification-ddbc698c6-c4n48 4/4 Running 195 (23h ago) 82d eric-sec-admin-user-management-bb8d7974d-mwftv 1/1 Running 51 (23h ago) 82d eric-sec-key-management-job-rgcc5-v2vr2 0/1 Completed 0 82d eric-sec-key-management-main-0 3/3 Running 87 (23h ago) 82d
3. Tried several times udm deregistration & re-registration several times & check the pod logs for eric-nrf-register-agent services in CCSM & eric-nrf-management services in CCRC. We dont see PUT messages for UDM registration being triggered.
4. From metrics-stats query on CCSM yang we noticed the Put counter for NFRegister resources did not incremented when we made the UDM registration attempted via cli.
<u>Registration done:-</u> ccsmoam@ucc1b-ccsm#config Entering configuration mode private ccsmoam@ucc1b-ccsm(config)#udm nf-profile requested-status deregistered ccsmoam@ucc1b-ccsm(config)#hss-common nf-profile requested-status deregistered ccsmoam@ucc1b-ccsm(config)#ausf nf-profile requested-status deregistered ccsmoam@ucc1b-ccsm(config)#commit Commit complete.
<u>Registration done:-</u> ccsmoam@ucc1b-ccsm(config)#udm nf-profile requested-status registered ccsmoam@ucc1b-ccsm(config)#commit Commit complete.

```
ccsmoam@ucc1b-ccsm(config)#exit
ccsmoam@ucc1b-ccsm#
ccsmoam@ucc1b-ccsm#show running-config udm nf-profile requested-status
udm nf-profile requested-status registered
ccsmoam@ucc1b-ccsm#
```

Metrics query post registration steps:

```
ccsmoam@ucc1b-ccsm#metrics-query eric_nrfagent_nnrf_nfm_requests_sent
{
"metric": {
  "_name_": "eric_nrfagent_nnrf_nfm_requests_sent",
  "app": "eric-nrf-register-agent",
  "app_kubernetes_io_managed_by": "Helm",
  "app_kubernetes_io_name": "eric-nrf-register-agent",
  "app_kubernetes_io_version": "1.15.3-1",
  "egress": "traffic-producer",
  "eric_mesh_controller_access": "true",
  "helm_sh_chart": "eric-nrf-register-agent-1.15.3-1",
  "instance": "192.168.106.0:3003",
  "job": "kubernetes-pods",
  "kubernetes_namespace": "ccsm",
  "kubernetes_pod_name": "eric-nrf-register-agent-5db7799657-5sfkt",
  "nf_service_id": "eric-nrfagent-register",
  "nrfagent_egress": "true",
  "operation": "PUT",
  "pod_template_hash": "5db7799657",
  "remote_endpoint": "nrf-ccrc-ucc1b.5gc.mnc038.mcc214.3gppnetwork.org:443",
  "req_info": "-",
  "resource": "NRFRegister",
  "security_istio_io_tlsMode": "istio",
  "service_istio_io_canonical_name": "eric-nrf-register-agent",
  "service_istio_io_canonical_revision": "1.15.3-1",
  "sidecar_istio_io_inject": "true"
},
"value": [
  "2024-09-17T09:27:30Z",
  "3***"
]
```

UDM status on NRF:- not registered

```
eccd@ucc-ucc1b:~> ./nrf-status.sh
NF Info:
{ "nfType": "SMF", "locality": "ccdb", "nfStatus": "REGISTERED", "nfInstanceId": "d67766fc-210f-4ecf-858f-000000b1c1d2" }
```

```
-----
```

NF Info:
{ "nfType": "UDR", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "e8b5865c-49e8-463e-8f16-99eccd1d3f44" }

```
-----
```

NF Info:
{ "nfType": "AMF", "locality": "ccdb", "nfStatus": "REGISTERED", "nfInstanceId": "d67766fc-210f-4ecf-858f-000000a1c1d2" }

```
-----
```

NF Info:
{ "nfType": "AUSF", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "cbd3f7d9-ecba-40fa-a788-a8d07bd17067" }

```
eccd@ucc-ucc1b:~>
eccd@ucc-ucc1b:~>
```

Fix/Workaround:- Issue got fix only after restarting the eric-ccsm-nrgw-74f95f787f-wmcxz pod in ccsm along with other nrf pods.

Refrence from UCC1A cluster:-

```
eccd@ucc-ucc1a:~> kubectl get pod -n ccsm | grep -i nrf
eric-ccsm-autonrf-554b7b8b46-d9jgz 1/1 Running 0 23s
eric-ccsm-nrgw-74f95f787f-wmcxz 2/2 Running 60 (26h ago) 81d
eric-ingressgw-nrfagent-internal-traffic-7847784b7c-f4rv5 1/1 Running 30 (26h ago) 81d
eric-nrf-agent-init-cm-mwdcl 0/1 Completed 0 81d
eric-nrf-agent-pm-job-loader-nh7xn 0/1 Completed 0 81d
eric-nrf-discovery-agent-cb64cdc55-kl9qf 3/3 Running 87 (26h ago) 81d
eric-nrf-notify-agent-77667679f8-phwpd 2/2 Running 58 (26h ago) 81d
eric-nrf-register-agent-597b8b4984-2k24s 3/3 Running 87 (26h ago) 81d
eric-udm-iratsndereg-69f484c5c5-clnrf 1/1 Running 30 (26h ago) 81d
eecd@ucc-ucc1a:~>
eecd@ucc-ucc1a:~>
```

```
eecd@ucc-ucc1a:~> kubectl delete pod eric-ccsm-nrgw-74f95f787f-wmcxz -n ccsm
pod "eric-ccsm-nrgw-74f95f787f-wmcxz" deleted
eecd@ucc-ucc1a:~>
eecd@ucc-ucc1a:~>
```

```
eecd@ucc-ucc1a:~> ./nrf-status.sh
NF Info:
{ "nfType": "AUSF", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "76893816-1253-4a27-8534-f0ddeeada67" }
```

```
-----
```

NF Info:
{ "nfType": "HSS", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "aa623f6f-9442-4785-94ae-f37608f0bc3e" }

NF Info:
{ "nfType": "UDM", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "a09431c4-86bd-4468-8227-d9f511f070ba" }

NF Info:
{ "nfType": "AMF", "locality": "ccda", "nfStatus": "REGISTERED", "nfInstanceId": "2bdac597-2877-435c-a191-8b033f93cf0d" }

NF Info:
{ "nfType": "SMF", "locality": "ccda", "nfStatus": "REGISTERED", "nfInstanceId": "f6ee4fb8-bbf8-4289-a314-f9f51b8210df" }

NF Info:
{ "nfType": "UDR", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "1831446f-5ebc-4745-9003-83ecbc1715f9" }

```
eccd@ucc-ucc1a:~> kubectl get pod -n ccsm | grep -i nrf
eric-ccsm-autonrf-554b7b8b46-d9jgz 1/1 Running 0 87s
eric-ccsm-nrfgw-74f95f787f-qmkvl 2/2 Running 0 45s
eric-ingressgw-nrfagent-internal-traffic-7847784b7c-f4rv5 1/1 Running 30 (26h ago) 81d
eric-nrf-agent-init-cm-mwdcl 0/1 Completed 0 81d
eric-nrf-agent-pm-job-loader-nh7xn 0/1 Completed 0 81d
eric-nrf-discovery-agent-cb64cdc55-k19qf 3/3 Running 87 (26h ago) 81d
eric-nrf-notify-agent-77667679f8-phwpd 2/2 Running 58 (26h ago) 81d
eric-nrf-register-agent-597b8b4984-2k24s 3/3 Running 87 (26h ago) 81d
eric-udm-iratsndereg-69f484c5c5-clnrf 1/1 Running 30 (26h ago) 81d
eccd@ucc-ucc1a:~>
```

Attached logs for your reference from entire TS session. Collected ADP logs & Pod logs from CCSM from both the clusters attached as well in zipped files.

Important- As per Telefonica requirements we need to find the root cause of the issue that impacted UDM registration post Power On activity.

Regards

Rishi Shekhar

Comments

Comment by [Zhigang Han](#) [2024-10-02]

hi Rishi,

this issue will be fixed by CCSM 1.13. Here is the answer from ccsm PLM:

Customer SW is 1.12EP1 -> drop94 (EP1) → 1.21.13+3

Mentioned symptoms are described in TR <https://mhweb.ericsson.se/TREditWeb/faces/oo/object.xhtml?eriref=IA83409>

In TR there is stated that fault is corrected in CCSM 1.13 drop101 and mapped to 1.14 drop102

I believe UCC 1.0 is using ccsm 1.13.

if you are ok with the solution, please let me know we close this ticket.

Thanks,

BR/Zhigang

Comment by [Zhigang Han](#) [2024-10-01]

Hi Team,

A ticket has been open from CCSM PLM side:

<https://eteamproject.internal.ericsson.com/browse/CCSMS-1193>

Thanks,

BR/Zhigang

Comment by [Zhigang Han](#) [2024-09-24]

Hi Rishi,

We have updated the ticket priority from high to medium because the issue has been fixed by the workaround. we will check the logs which you provided and get back to you whenever we found anything.

one thing: We will test restarting ucc 1.0 to see if the issue is happening for ucc 1.0.

Thanks,

BR/Zhigang

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Medium
Reporter:	Zhigang Han	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	UCC_Appliance_1.0.1		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Defect code_qmt:	1- Functional
Sprint:	UCC Sprint 15, UCC XFT2 Sprint 1
Detected in phase:	PDU
Team/s:	UCC_XFT2
Severity_qmt:	3- Medium
Found in Build:	UCC Appliance 1.0.0-rc2
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

From the generated router configuration file, we identified this issue:

1, we created one bridge with port 3 and port 4:

```
bridge ccd-oam
!
port 1/29 service-instance 1100
port 1/31 service-instance 1100
port 1/33 service-instance 1100
port 1/35 service-instance 1100
port 1/1 service-instance 1100
port 1/2 service-instance 1100
port 1/3 service-instance 1100
port 1/4 service-instance 1100
!
port 1/23 service-instance 1100
port 1/24 service-instance 1100
```

2, we didnot define the port 3 and port 4 in the port definition part:

in the port definition part we have these ports defined:

```
port ethernet 1/1
port ethernet 1/2
port ethernet 1/21
port ethernet 1/22
port ethernet 1/23 10ge
port ethernet 1/24 10ge
port ethernet 1/29 25ge
port ethernet 1/30 25ge
port ethernet 1/31 25ge
port ethernet 1/32 25ge
port ethernet 1/33 25ge
port ethernet 1/34 25ge
port ethernet 1/35 25ge
port ethernet 1/36 25ge
```

the workaround is to remove two lines in the generated router configuration file before applying the file on the router:

the original bridge definition:

```
bridge ccd-oam
!
```

```
port 1/29 service-instance 1100
port 1/31 service-instance 1100
port 1/33 service-instance 1100
port 1/35 service-instance 1100
port 1/1 service-instance 1100
port 1/2 service-instance 1100
port 1/3 service-instance 1100
port 1/4 service-instance 1100
```

!

```
port 1/23 service-instance 1100
port 1/24 service-instance 1100
```

!

the updated bridge definition:

```
bridge ccd-oam
```

!

```
port 1/29 service-instance 1100
port 1/31 service-instance 1100
port 1/33 service-instance 1100
port 1/35 service-instance 1100
port 1/1 service-instance 1100
port 1/2 service-instance 1100
```

!

```
port 1/23 service-instance 1100
port 1/24 service-instance 1100
```

!

This is a bug which we should not use port 3 and port 4 if in the generated router configuration we didnot define the port 3 and port 4.

Thanks,

BR/Zhigang

Comments

Comment by [Zhigang Han](#) [2024-11-06]

Thank you Kamal!

Comment by [Kamal Ait Hammou](#) [2024-11-06]

Hello,

The bug is fixed in UCC 1.0 CP1 .

Br,

Kamal

Comment by [Reema Sidhwani](#) [2024-10-29]

To be discussed in the TR board

[UCC_PLM-106] Aachen UCC1 - Review Traffic generator setup

Created: 2024-09-13 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Cheng-Jun Li
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Original Estimate:	Not Specified
---------------------------	---------------

Issue Links:	Parent Is a Parent of UCC_PLM-102	Aachen UCC1 PLM Lab	Accepted
Sprint:	UCC Sprint 15		

Comments

Comment by Cheng-Jun Li [2024-12-03]
Akshaya had made a comprehensive presentation together with demo.
We also did reading and experiment the tool on DEACUCC1.
Now we have a thorough understanding on how the tool works.
This ticket can be closed, but before closing it, I'd like to do another hands-on experiment: create/clone a test case and run it. So I will leave the ticket open for now and will close it soon after the experiment.
Comment by Reema Sidhwani [2024-10-29]
Fredrik to share a video from I&V for education

[UCC_PLM-105] Aachen UCC1 - Review UCC 1.0.0-rc2 installation Created: 2024-09-13 Updated: 2024-10-19 Resolved: 2024-10-07
--

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Parent Is a Parent of UCC_PLM-102	Aachen UCC1 PLM Lab	Accepted
Sprint:	UCC Sprint 14		

[UCC_PLM-104] Aachen UCC1 - Review Jump Host setup Created: 2024-09-13 Updated: 2024-10-19 Resolved: 2024-10-07

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Parent			
	Is a Parent of	UCC_PLM-102	Aachen UCC1 PLM Lab	Accepted
Sprint:	UCC Sprint 14			

[UCC_PLM-103] Aachen UCC1 - Review licensing setup Created: 2024-09-13 Updated: 2024-10-19 Resolved: 2024-10-07				
Status:	Resolved			
Project:	UCC_PLM			
Component/s:	None			
Affects Version/s:	None			
Fix Version/s:	None			

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Parent			
	Is a Parent of	UCC_PLM-102	Aachen UCC1 PLM Lab	Accepted
Sprint:	UCC Sprint 14			

Description
Ensure that licensing infrastructure and licensing is in place for UCC 1.0

[UCC_PLM-102] Aachen UCC1 PLM Lab Created: 2024-09-13 Updated: 2025-04-24 Resolved: 2025-04-24				
Status:	Accepted			
Project:	UCC_PLM			
Component/s:	None			
Affects Version/s:	None			
Fix Version/s:	None			

Type:	Epic	Priority:	High
Reporter:	Fredrik Gustavsson	Assignee:	Fredrik Gustavsson
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Parent			
	Is a Child of	UCC_PLM-103	Aachen UCC1 - Review licensing setup	Resolved
	Is a Child of	UCC_PLM-104	Aachen UCC1 - Review Jump Host setup	Resolved
	Is a Child of	UCC_PLM-105	Aachen UCC1 - Review UCC 1.0.0-rc2 in...	Resolved
	Is a Child of	UCC_PLM-106	Aachen UCC1 - Review Traffic generato...	Rejected
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			
Epic Name:	Aachen UCC1 PLM Lab			

Description

The Aachen UCC1 lab has been assigned to PLM.

This environment should be configured to be the main PLM lab for troubleshooting and support activities for UCC 1.0.

[UCC_PLM-101] Eric Test for Teams field (Will this be visible in other Jira Projects) Created: 2024-09-12 Updated: 2024-10-28 Resolved: 2024-09-20

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	0.1.0

Type:	Bug	Priority:	Low
Reporter:	Eric Hamelin	Assignee:	Eric Hamelin
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Cloners is cloned by UCC_PLM-143	JIm Test for Teams field - XFT2	Rejected
Team/s:	OA_CCB, UCCPOCDEV, UCCPOC, UCCPROCESS, UCC_PRODIV, UCCPROGRAM, UCC_REL, UCC_SEC, UCC_SM, UCC_STUDY, UCCSOLDES, UCC_PLM, UCC, UCC_XFT1, UCC_XFT2, UCC_XFT3, UCC_XFT4, UCC_XFT5		
Severity_qmt:	4-Low/Cosmetic		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

I'm a ticket, I'm a ticket
I'm a ticket, I'm a ticket
I'm a ticket, I'm a ticket
I'm a ticket

[UCC_PLM-100] Installation Instruction - Faulty technical authoring and review process Created: 2024-09-10 Updated: 2025-03-11 Resolved: 2024-09-23

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2
Fix Version/s:	None

Type:	Bug	Priority:	High
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	ccdadm cluster config validate-upgrade command.png	Update SSH keys - 2.png	Update SSH keys - 3.png	Update SSH keys - 4.png	Update SSH keys.png
--------------	--	-------------------------	-------------------------	-------------------------	---------------------

Issue Links:	Association			
	Associates with	UCCPOCDEV-589	POCDEV ticket to answer UCC_PLM-100	Done
Defect code_qmt:	1- Functional			
Detected in phase:	PDU			
Team/s:	UCCPOCDEV			
Severity_qmt:	2- High			
Found in Build:	UCC Appliance 1.0.0-rc2			
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			

Description

The UCC Software Installation Guide (1/1531-HSC 901 198/1 Uen, PF5), part of UCC 1.0.0-rc2, contains multiple examples of commands that have not been verified prior to being included in the document.

Please address this process issue to ensure that future updates are not introducing additional faults.

A suggestion is to run the commands to verify their validity and then copy from the terminal into the document.

Some examples from chapter 7 (Jump Host Preparations) and chapter 8 (Global Site Configuration File for UCC) with [PLM_NOTE] indicating the PLM team comments:

```
1. sudo useradd ${USERNAME} -s /bin/bash -d /home/${USERNAME} -m -g ${GROUPNAME}
sudo usermod -aG sudo ${USERNAME}
sudo chown -R ${USERNAME}::${GROUPNAME} /home/${USERNAME}
sudo echo ${USERNAME} ALL=(ALL) NOPASSWD: ALL >> /etc/sudoers
[PLM_NOTE]:
ubuntu@ubuntu:~$ sudo echo ${USERNAME} ALL=(ALL) NOPASSWD: ALL >> /etc/sudoers
-bash: /etc/sudoers: Permission denied
```

Instead, use:
 sudo bash -c "echo \${USERNAME} ALL=(ALL) NOPASSWD: ALL >> /etc/sudoers"
 or add "ucc ALL=(ALL) NOPASSWD:ALL" using:
 sudo visudo

```
2. scp <software_file> ucc@<JUMP HOST_IP>:<software_dir>
[PLM_NOTE]:
This command fails since <software_dir> is not created yet.
Run this command first:
mkdir /home/ucc/software
```

```
3. tar -xvzf <software_dir>/<UCC_SOFTWARE_PACKAGE_FILE> --strip-components=1 -d <software_dir>
[PLM_NOTE]:
The previous tar command asks to unpack in the <software_dir> while the <config_dir> should be used instead.
The previous command would also strip the /config (and /certificate) path from the files contained in the tar ball.
We used
tar -xvzf ucc-config-1.0-rc2.tar.gz -C /home/ucc/config
instead, and in this example, that would correspond to:
tar -xvzf ucc-config-1.0-rc2.tar.gz -C /data/config/
```

```
4. tar -xzvf /data/software/cnat-1.10.1.tar.gz cnat-1.8.0/cnat | cp cnat-1.10.1/cnat /usr/local/bin/cnat
[PLM_NOTE]:
This command is wrong; the current cnat tar ball contains a single file (cnat) under a 'dist' path, nothing like the paths mentioned in the command.
What we ended up doing is extract the tar ball under <path>/software/ and copy (using sudo) the cnat executable to /usr/local/bin:
tar -xzf ucc-cnat-1.10.1.tar.gz
cd dist/
sudo cp cnat /usr/local/bin/cnat
```

```
5. Install the Docker engine on the Jump Host server. For instructions, see https://docs.docker.com/desktop/install/linux-install/ .
[PLM_NOTE]:
The link above points to Docket Desktop installation rather than the following link which points to Docker Engine installation for Ubuntu specifically:
https://docs.docker.com/engine/install/ubuntu/#install-using-the-repository
Follow the instructions under 'Install using the apt repository' on that page.
```

```
6. sudo vi /etc/apache2/apache2.conf
...
<Directory <software_dir>/CCD/>
  Options Indexes FollowSymLinks
  AllowOverride None
  Require all granted
</Directory>
...
[PLM_NOTE]
This also needs to be done or else you won't have permission to access the resource:
sudo cp -p /etc/apache2/envvars /etc/apache2/envvars.ORIG
sudo vi /etc/apache2/envvars
in /etc/apache2/envvars, do the following changes:
export APACHE_RUN_USER=ucc
export APACHE_RUN_GROUP=ucc
```

```
7. sudo snap install kubectl -classic  
[PLM_NOTE]:  
The previous command should read:  
sudo snap install kubectl --classic
```

```
8. PASSDW=ericsson cnat --no-env-file --config -l <Ericsson Ultra Compact Core - Low Level Design.xlsm>  
[PLM_NOTE]:  
Above and below, there is a typo as it should read PASSWD instead of PASSDW.
```

Comments

Comment by [Fredrik Gustavsson](#) [2024-09-23]

Thanks Birom!

Cheers

Fredrik

Comment by [Birom Bah](#) [2024-09-20]

Hello,
Thank you for your feedback.

Regarding the comment about updating the ccdadm-ccd[ab]-config.yaml file before running the command, I believe it's better that any modifications should be made by adjusting the Global Site Configuration File for UCC. This will ensure that the subsequent generation of the ccdadm.yaml file during the CCD upgrade process is accurate.

Furthermore, I apologize for the typo in the instruction where "validate-upgrade" was mentioned instead of "ccdadm cluster config validate-upgrade." I have already made the necessary correction. It appears that you may not have the latest installation document, so please refer to the attached snippets for the updated instructions in the latest installation document.

If you require any additional information, please let us know.

Kind regards,
Birom Bah

Comment by [Fredrik Gustavsson](#) [2024-09-18]

Hi [Vibhor Jain](#), please see the above finding.

Comment by [Fredrik Gustavsson](#) [2024-09-18]

Some additional findings:

Chapter 11.4 (Post-Deployment: Patching ...), step 1:

If you want to add a new ssh key, do you want to add a step to update ccdadm-ccd[ab]-config.yaml before running the command?

Chapter 11.4 (Post-Deployment: Patching ...), step 2:

The instruction asks to run "validate-upgrade" but the example is for "upgrade plan"

In our installation of UCC 1.0, the ccdadm doesn't show "validate-upgrade" as a valid subcommand for ccdadm cluster:

Usage:

ccdadm cluster [command]

Available Commands:

bootstrap Bootstraps ephemeral node using SDI3

certs Commands related to cluster certificates

config Commands related to cluster config

define Defines a new cluster

deploy Deploys a defined cluster

gen-bootstrap-user-data Generate user data for bootstrap node

gen-singleserver-upgrade-user-data Generate user data for singleserver single node cluster upgrade

gen-singleserver-user-data Generate user data for singleserver single node cluster

healthcheck Checks the health of the cluster.

host-ips Lists IPs assigned to a provisioned Host

install Commands related to cluster dependencies installation

kubeconfig Prints the kubeconfig for ephemeral and target clusters

list Lists defined clusters

mgmt Commands related to management cluster

reset Resets cluster

security Commands related to cluster security

undefine Undefines an already defined cluster

undeploy Undeploys the deployed cluster.

upgrade Commands related to cluster upgrade

version Fetches the cluster version

Flags:

-h, --help Help for cluster

Global Flags:

--configdir string Path to ccdadm configuration directory

--debug enable verbose output
--kubeconfig string Path to the kubeconfig file to use for CLI requests
Use "ccdadm cluster [command] --help" for more information about a command.

[UCC_PLM-99] Test For TRs (Eric - Process) Created: 2024-09-10 Updated: 2024-10-30 Resolved: 2024-10-30

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	UCC Appliance 1.0.1

Type:	Bug	Priority:	Low
Reporter:	Eric Hamelin	Assignee:	Eric Hamelin
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Team/s:	UCCPROCESS, UCC_PRODIV
Severity_qmt:	4-Low/Cosmetic
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

[UCC_PLM-98] Install UCC 1.0.0-rc2 Created: 2024-09-10 Updated: 2024-10-19 Resolved: 2024-10-07

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Parent Is a Parent of	UCC_PLM-94	5G Compad - UCC 1.0 B8	Accepted
Sprint:	UCC Sprint 14			

Comments

Comment by Cheng-Jun Li [2024-10-04]

Oct 04: one issue was identified over the last week: https://eteamproject.internal.ericsson.com/browse/UCC_PLM-118

The rest of the system is mostly stable.

Comment by Cheng-Jun Li [2024-09-25]

Sept 25:

We've been troubleshooting the UE registration failure for the last 2 days. Rajan and Richi in the dliivery team helped us this morning with a joint session.

Finally the root cause was identified: it's a bug in UCC design which hardcoded supi range: https://eteamproject.internal.ericsson.com/browse/UCC_PLM-117

We manually corrected the supi range values and now the issue is resolved.

Next step: UE connection to Internet not yet working - need for info/setup for the router.

Comment by [Cheng-Jun Li](#) [2024-09-23]

Sept. 23:

Provisioning of a UE (imsi provided by Hans) was successful, after identifying and a provision related TR (<https://eteamproject.internal.ericsson.com/browse/UCCPOCDEV-624>) and applying the workaround.

Next step: working with Hans for call test.

Comment by [Cheng-Jun Li](#) [2024-09-20]

Sept. 20:

Deployment of CNFs completed

We were puzzled by an issue related to AMF not registered. With the help of the I&V team, we discovered this issue with PCX template file: https://eteamproject.internal.ericsson.com/browse/UCC_PLM-109

We corrected the template file reployed PCX, but it didn't help.

Finally we found out, with the help of Service Delivery team that it was due to missing baseband config in the router. So UCC deploy itself is actually OK.

Then with the help of Fahad (in Hans's team), we setup the baseband. and the AMF issue is now resolved.

Comment by [Cheng-Jun Li](#) [2024-09-18]

Sept 18:

1. License: We have received all the UCC licenses and loaded them on cNel.

2. Router Config: We have worked with Hans for the router config setup.

We encountered an issue with that part and troubleshooted and managed to identify the problem being a mismatch between the UCC generated router config and physical cable's capacity and did necessary changes.

3. CCD Deployment: We have now deployed both ccd-a and ccd-b.

4. CNF Deployment: We have finished CCRC deployment on both ccd-a and ccd-b and completed health checks.

Next steps:

Continue deployments for the remaining CNFs.

Comment by [Cheng-Jun Li](#) [2024-09-13]

Sept 13:

Bubble-8 cNeLS installation completed. CSR was sent to Italy for signing and they claim to get back in 3 days, but it should hopefully be sooner. After that we can activate and enter the licenses.

Comment by [Cheng-Jun Li](#) [2024-09-12]

Sept 12: we had a meeting with Hans and had agreed on the way forward:

We updated the CIQ generated router config by adding UCC prefix and provided the config to Hans.

Hans will apply the router config accordingly + adjust existing cabling. The plan is to complete this on Monday.

Fredrik is contacting design for a future cabling improvement. + setting up cNeLS server.

We will proceed CCD deployment after router config application and cNeLS setup.

Comment by [Cheng-Jun Li](#) [2024-09-11]

Sept 11 EOD: we've been working on router config. we have compared the current router config Hans' team has done with the config generated by UCC 1.0 CIQ.

Initially, we thought we could identify and highlight the diffs and let Hans' team know so they could make adjustment manually on the identified discrepancies.

But after seeing the differences, we realize at this point that it will just not be possible, because there are so many discrepancies in almost all sections that it's just won't be realistic to identify them and manually update them one by one.

So we decided to stop at this point, and think that the more realistic way to do this is rather the opposite:

1) Ask Hans' team to save their customized config on the routers (other configs than the UCC ones)

2) Load the entire config CFG generated by the CIQ as per steps 4, 5, 6 in the II

3) Then add back the saved customizations.

Comment by [Cheng-Jun Li](#) [2024-09-10]

September 09 EOD: finished jump server prep, global site config, TLS certificate mgmt.

Recorded notes on all issues found.

Next steps: continue for router config, CCD install...

[UCC_PLM-97] Set up jump host <small>Created: 2024-09-10 Updated: 2024-10-19 Resolved: 2024-09-13</small>			
Status:	Resolved		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Parent	Priority:	Medium
	Is a Parent of	UCC_PLM-94	5G Compad - UCC 1.0 B8
Sprint:	Accepted		
UCC Sprint 13			

Comments

Comment by Fredrik Gustavsson [2024-09-13]
The jump host has been installed

[UCC_PLM-96] Bubble 8 set up licensing <small>Created: 2024-09-10 Updated: 2024-10-19 Resolved: 2024-09-18</small>			
Status:	Resolved		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	0h		
Time Spent:	28h		
Original Estimate:	Not Specified		

Issue Links:	Parent	Priority:	Medium
	Is a Parent of	UCC_PLM-94	5G Compad - UCC 1.0 B8
Sprint:	Accepted		
UCC Sprint 13			

Comments

Comment by Fredrik Gustavsson [2024-09-18]
Licensing is complete and verified by the CCD and CCRC installation.
Comment by Fredrik Gustavsson [2024-09-13]
A UCC 1.0 license has been ordered and the LAC is now received.
In the meantime, a cNeLS installation for bubble 8 has been completed and the CSR has been sent for signing. As soon as we have received and installed the certificates, we can proceed to activate the license and install it and that will complete this task.

[UCC_PLM-95] Create PLM tickets for all known issues in Installation instructions of UCC 1.0 <small>Created: 2024-09-10 Updated: 2024-09-23 Resolved: 2024-09-23</small>			
Status:	Cancelled		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		
Type:	Story	Priority:	Low
Reporter:	Reema Sidhwani	Assignee:	Fredrik Gustavsson
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	0h		
Time Spent:	8h		
Original Estimate:	Not Specified		
Sprint:	UCC Sprint 13		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

[UCC_PLM-94] 5G Compad - UCC 1.0 B8 <small>Created: 2024-09-10 Updated: 2025-04-24 Resolved: 2025-04-24</small>			
Status:	Accepted		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		
Type:	Epic	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Fredrik Gustavsson
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Issue Links:	Parent Is a Child of UCC_PLM-96 Bubble 8 set up licensing Resolved Is a Child of UCC_PLM-97 Set up jump host Resolved Is a Child of UCC_PLM-98 Install UCC 1.0.0-rc2 Resolved		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		
Epic Name:	5G Compad - UCC 1.0 B8		

Description
This epic captures activities around the 5G Compad bubble 8 system

[UCC_PLM-93] Ambiguous DNS Server Domain Name request in LLD <small>Created: 2024-09-09 Updated: 2025-04-24 Resolved: 2025-04-24</small>			
Status:	Done		
Project:	UCC_PLM		
Component/s:	None		

Affects Version/s:	UCC Appliance 1.0.0-rc2		
Fix Version/s:	None		

Type:	Bug	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:			
Issue Links:	Blocks is blocked by	UCCPOCDEV-580	PLM: Ambiguous DNS Server Domain Name... Done
Defect code_qmt:	3- Usability		
Detected in phase:	PDU		
Team/s:	UCC_PLM		
Severity_qmt:	4-Low/Cosmetic		
Found in Build:	UCC Appliance 1.0.0-rc2		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

In the Low-Level Design (1057-HSC 901 198/1 Uen, PF3), it is asked to enter the "DNS Server Domain Name" on "Site Data", row 19:

19	DNS Server Domain Name	dns_domainName	deac.ericsson.se		FQDN	ucc1.deac.ericsson
----	------------------------	----------------	------------------	--	------	--------------------

It is unclear if this:

- Is the FQDN of the DNS server?
- Is the domain name for common services (DNS, NTP)?
- Is the domain name for the VIPs (5gc.<mnc>.<mcc>.3gppnetwork.org)?

Please update the comment in column "G" to give further instructions to the user about what to fill out or the purpose of this field (i.e. how it will be used).

Comments

Comment by Åsa Preuss [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

Can the ticket be closed?

BR Åsa

Comment by Fredrik Gustavsson [2024-09-11]

Clarified in the next version of the LLD, to be included in UCC Appliance 1.0.0

[UCC_PLM-91] Installation Instruction - Sudoers update command invalid

Created: 2024-09-09 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	UCC Appliance 1.0.0-rc2		
Fix Version/s:	None		

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Original Estimate:	Not Specified		
Issue Links:	Blocks is blocked by UCCPOCDEV-579	PLM: Installation Instruction - Sudoe...	Done
Defect code_qmt:	1- Functional		
Detected in phase:	PDU		
Team/s:	UCC_PLM		
Severity_qmt:	3- Medium		
Found in Build:	UCC Appliance 1.0.0-rc2		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

In the UCC Software Installation Guide (1/1531-HSC 901 198/1 Uen, PF5), part of UCC 1.0.0-rc2, in chapter 7, step 1, it is started to run the following command:

```
sudo echo ${USERNAME} ALL=\(ALL\) NOPASSWD: ALL >> /etc/sudoers
```

This command tries to append to a restricted file as a normal user.

Suggestion to update the command to:

```
sudo bash -c "echo ${USERNAME} ALL=\(ALL\) NOPASSWD: ALL >> /etc/sudoers"
```

Comments

Comment by [Åsa Preuss](#) [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

Can the ticket be closed?

BR Åsa

Comment by [Fredrik Gustavsson](#) [2024-09-12]

The II has been updated for UCC Appliance 1.0.0

[UCC_PLM-90] Installation Instruction - Discrepancy in PCC version

Created: 2024-09-09 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc2
Fix Version/s:	None

Type:	Bug	Priority:	High
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UCCPOCDEV-578	PLM: Installation Instruction - Discr...	Done
Defect code_qmt:	1- Functional		
Detected in phase:	PDU		
Team/s:	UCC_PLM		
Severity_qmt:	2- High		
Found in Build:	UCC Appliance 1.0.0-rc2		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

In the UCC Software Installation Guide (1/1531-HSC 901 198/1 Uen, PF5), part of UCC 1.0.0-rc2, there is a discrepancy between chapter 3.3 and chapter 7, step 4 listing of needed software for the PCC csar file version.

Chapter 3.3:

PCC 1.32 CP4 T-155353 PCC CXP9041577 1-R61G07.csar

Chapter 7, step 4:

| └── PCC_CXP9041577_1-R61C18.csar

Comments

Comment by Åsa Preuss [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

Can the ticket be closed?

BR Åsa

[UCC PLM-89] EDA does not send notification to HSS FE for network initiated detach with Subscription Withdrawal Created: 2024-08-28 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Akshaya Avin Shetty	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	20240828_095527.865_S6a_Network_initiated_Detach_with_Subscription_Withdrawal_DebugLog.tar 20240828_095527.865_S6a_Network_initiated_Detach_with_Subscription_Withdrawal_DiameterTraffic.pcap 20240828_095527.865_S6a_Network_initiated_Detach_with_Subscription_Withdrawal.log
Issue Links:	Blocks is blocked by UCCPOCDEV-553 Notification not triggered towards MM... Done
Sprint:	UCC Sprint 13
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

In CCXX FT AAT testing observed that HSS FE doesn't receive notification trigger for EDA in case of EPS subscription withdrawal for an Registered and Active UE. Because of that HSS FE does not send CANCEL LOCATION Request to MME and test case fails.

2024/08/28 09:55:44.654399 AAT<-----Begin receiving from HSS

2024/08/28 09:55:44.654660 AAT<-----Waiting for CLR

2024/08/28 09:56:00.655320 AAT failed: TIMEOUT when waiting for incoming DIAMETER Cancel_Location Message message during timer T_DC[0].

2024/08/28 09:56:00.655382 AAT failed: Expected message not received, connection closed

2024/08/28 09:56:00.655396 Test Step Result is: fail

Please check if HSS FE Network Element to be added in EDA for EPS profile modification trigger/ provisioning notifications or UDR to be updated with relevant soap-notification configurations

Current Network Elements in EDA:

```
[  
 { "name": "ldap-1", "protocolType": "LDAP", "resourceId": "2", "active": true, "up": true }  
,  
 { "name": "mapi-1", "protocolType": "M-API", "resourceId": "1", "active": true, "up": true }  
]
```

Comments

Comment by [Zhigang Han](#) [2024-09-10]

hi there,

PLM team will close this duplicated ticket because there is one ticket opened from the design team.

Thanks,

BR/Zhigang

Comment by [Zhigang Han](#) [2024-09-10]

hi there,

there is one ticket opened from the design side for the same issue:

<https://eteamproject.internal.ericsson.com/projects/UCCPOCDEV/issues/UCCPOCDEV-553?filter=doneissues>

PLM will close the ticket from our side.

Comment by [Zhigang Han](#) [2024-09-10]

PLM team will close PLM-89 because there is one ticket opened from the design team.

[UCC_PLM-88] Post ccd restart 100% traffic failure observed

Created: 2024-08-27 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc1
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UCCPOCDEV-521 Post ccd restart 100% traffic failur... Done
Defect code_qmt:	1- Functional
Detected in phase:	Development & Functional
Severity_qmt:	3- Medium
Found in Build:	UCC Appliance 1.0.0-rc1
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

From [UCCPOCDEV-521](#):

While performing TC 148 we observed that the traffic completely failed and did not resume.

We performed these scenarios and our main observation node was ccda.

scenario1.

UCC1b On and UCC1a reboot

traffic ok, ucc1a all pods came up with work around for pcx, ccxx was ok

scenario 2.

UCC1B shutdown and UCC1a restarted

All pods came up in 1a using WA - 100% traffic failure observed

scenario 3

UCC1b and UCC1a both restarted to restore the traffic back to normal

ucc1a - Pods came using WA

UCC1b - ccdm pods got stuck .. and still in the same state

100% traffic failure

Logs are attached[^13082024PostRestartFailure.zip]

Also ccdm after complete shutdown of CCDB became unhealthy and we may need to reinstall it.

Few other pods randomly got stuck after reboot as well in ccda

Comments

Comment by [Fredrik Gustavsson](#) [2024-09-03]

Retested after design resolution.

[UCC_PLM-87] VPN-GW pod to be restarted automatically after each host reboot

Created: 2024-08-27 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 0.2.1 , UCC Appliance 0.2.2 , UCC Appliance 1.0.0-rc1
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UCCPOCDEV-545 VPN-GW pod to be restarted automatica... Done
Defect code_qmt:	1- Functional
Detected in phase:	Development & Functional
Severity_qmt:	3- Medium
Found in Build:	UCC Appliance 0.2.1
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

From [UCCPOCDEV-545](#):

Hi,

It is a known software bug that will be fixed in PCX 1.15 and till that moment we need to "delete" VPN-GW pod manually after each host or ccd are rebooted.

The other ticket related to this topic is:

[+<https://pdupc-jira.internal.ericsson.com/browse/PCTR-81160>+]

We need help to delete this pod after server was restarted.

The other pod that have to be cleared is :

```
eccc@cp-baremetalhost:~> kubectl -n ep5g get pods | grep eric-pc-up-data-plane
eric-pc-up-data-plane-b47bcb94d-6rc82      0/1  ContainerStatusUnknown  0          4d22h
eric-pc-up-data-plane-b47bcb94d-tdl6b      1/1  Running            0          4d18h
```

[PCTR-79835] [UCC] : eric-pc-up-data-plane does not recover after reboot - PDU Packet Core JIRA (ericsson.com)|https://pdupc-jira.internal.ericsson.com/browse/PCTR-79835]

Thank you

Comments

Comment by [Fredrik Gustavsson](#) [2024-10-03]

The workaround is part of UCC Appliance 1.0.0

[UCC_PLM-86] Test Ticket across Boards

Created: 2024-08-27 Updated: 2024-10-25 Resolved: 2024-09-20

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Jim Dumont	Assignee:	Hector Caballero Rodriguez
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Other Assignees:	Eric Hamelin
Team/s:	OA_CCB, UCCPOCDEV, UCC_XFT1
Severity_qmt:	4-Low/Cosmetic
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Test ticket to see if visible across UCC boards

[UCC_PLM-85] PCX-Checkpoint corrupted after Power Off/On the UCC setup

Created: 2024-08-26 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 0.2.2
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		

Time Spent:	Not Specified
Original Estimate:	Not Specified

Issue Links:	Blocks			
	is blocked by	UCCPOCDEV-547	PLM:PCX-Checkpoint corrupted after Po...	Done
Defect code_qmt:	1- Functional			
Sprint:	UCC Sprint 12			
Detected in phase:	Production			
Severity_qmt:	4-Low/Cosmetic			
Found in Build:	UCC Appliance 0.2.2			
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			

Description

Issue observed from Telefonica-PoC.
 Telefonica customer power off the UCC setup for shipment to different datacenter. Post shipment- after power on it was observed that the PCX health check was not good & Inconsistent Config alarms present on the node.

```
system_admin@pcc-ucc1b#show alarm
cmlInconsistentConfig
active-severity Major
service-name eric-pc-mm-controller
event-type ProcessingErrorAlarm
expires 64
source /mm/pc_mm_cm/3
specific-problem CM Inconsistent Config
probable-cause 100506
major-type 193
minor-type 4239786302
last-event-time 2024-08-22T17:09:19.592984 CEST
additional-text The PC-MM configuration in the MM Controller is inconsistent with the PC-MM configuration in the CM YANG Provider. PC-MM failed to read and apply the configuration from CM Mediator. Please rollback the latest committed PC-MM configuration.
```

Impact of above alarm:-
 Not allowing to commit any config update
 Not able to run cli like mm-user-info list & other mm clis to check the ue status, UE trace cli were disabled as well.

```
system_admin@pcc-ucc1b#mm user-info-list
Error:Failed to execute action user-info-list, message: Failed: Configuration conflict. Action cannot be performed on currently running configuration
```

Fix:-
 kubectl exec -it -n ep5g \$(kubectl get pods -n ep5g | grep eric-pc-mm-controller | awk '{print\$1}'
 ') tcsh
 priv su autoconf
 gsh check_config
 gsh list_config_pending
 gsh undo_config_pending
 exit
 login via yang and check alarm and config- All should be ok.

Recommendation:-
 UCC II documents can include a note to put checkpoint before doing any power recycle activity for PCX.
 command- mm checkpoint name pcx

Comments

Comment by Zhigang Han [2024-08-30]
hi Rishi,
PLM team had written one note for ucc 1.0 deployment II which we suggested to have one command about creating the valid checkpoint during the health check phase. We believe at this point, NeLs should be online and with correct license keys.
Please let me know if we could close the ticket!
Thanks, BR/Zhigang
Comment by Zhigang Han [2024-08-29]
hi Rishi,

here is the answer from the design team:

We discussed topic in DEV forum.

Feedback:

1. Installation CNAT script does do checkpoint commit after day1 configuration

++

commit no-confirm

mm checkpoint name firstconfiguration

end

++

2. We have so far not observed any issues in GA 1.0 release.

3. In case customer does any customization on top of CNAT day1 configuration. It is responsibility of customer to know mm-checkpoint is required. It can't be documented into installation guide as we are unaware of all changes customer will do.

We should close ticket with educating engineers/customers to check alarms. In case checkpoint is not configured, warning alarm for checkpoint will be generated. such alarms should be checked though before power down / restarting ucc box.

if you have no question, I will close the ticket!

Thanks,

BR/zhigang

Comment by [Zhigang Han](#) [2024-08-27]

hi Rishi,

We have created one ticket for the design team.

Thanks,

BR/Zhigang

[UCC_PLM-84] UCC- CCD access procedures if jump/staging server not shipped in Customer premises Created: 2024-08-26 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 0.2.2
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UCCSOLDES-394 is blocked by UCCPOCDEV-575	PLM: Procedure to troubleshoot post-d... PLM: Procedure to troubleshoot post-d...	Resolved Done
Defect code_qmt:	3- Usability		
Sprint:	UCC Sprint 13		
Detected in phase:	Production		
Severity_qmt:	3- Medium		
Found in Build:	UCC Appliance 0.2.2		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hi Team,
Post shipment of UCC in Customer premises- we observed the eccd accessibility issue in Telefonica PoC.
JH was not shipped as part of the UCC setup.
<i>We tried to login from the router to eccd oam-vip but each time login failed due to password requirement for eccd user.</i> During the pre-delivery- eccd node has passwordless access from JH using ssh private keys.

To fix the ECCD access issue- we asked the customer to download ssh client "MobaXterm" & used the private keys of eccd user generated as a prerequisites during eccd deployment.

We understand the eccd as a key node & should be accessible always in customer premises for any kind of troubleshooting required in CNFs post delivery.

Hence request the UCC team to include the steps to access the eccd in absence of Jump Host.

Our understanding is it can be access from Router as well but we don't have the cli command to login a server from router using the private keys.

Comments

Comment by [Fredrik Gustavsson](#) [2024-09-19]

In UCC Appliance 1.0, this is no longer an issue since the CCD servers may be accessed via customer-provided ssh keys. Those keys may be used together with the local and/or central management setups.

[UCC_PLM-83] CCPC mTLS Geo-red not working Created: 2024-08-23 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 1.0.0-rc1
Fix Version/s:	None

Type:	Bug	Priority:	High
Reporter:	Fredrik Gustavsson	Assignee:	Fredrik Gustavsson
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks		
	is blocked by	UDM5GP-109279	PCX-EP5G 1.14 for UCC: MTLS Geo-red f... Done
	is blocked by	UCCPOCDEV-531	External: MTLS Geo-red for CCPC not w... Done
	Relates		
	relates to	UCCPOCDEV-469	CCPC Geo-Red mTLS issue Duplicated
Defect code_qmt:	1- Functional		
Detected in phase:	NVQA		
Severity_qmt:	2- High		
Found in Build:	UCC Appliance 1.0.0-rc1		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

When we tried to enabled geo-red for CCPC using MTLS as part of UCC using as a baseline the standard PCX 1.14 EP1, we followed the following study (for MTLS) [CCPC-EP5G: Enable TLS/mTLS for UCC - Cloud Packet Core - PDU Packet Core Confluence \(ericsson.com\)](#) to enabled MTLS as it was disabled by default in PCX EP5G. and the CCPC CPI instruction for general Geo-red activation: https://calstore.internal.ericsson.com/elex?LI=EN/LZN7020566/1R99C&FB=0_1&FN=50_1553-CSH150098_1Uen.H.html&DT=Geographical+Redundancy+User+Guide.

So, according to that, we create the attached 2 values yaml file (day-0). The deployment is ok and when loading day-1 for Remote site, the remain "disconnected". We have checked certificates and other things and it seems they are ok.

According to CCPC PDU, it seems that, when they tested MTLS geo red successfully when preparing their study, they had a mix of both clear-text and mtls in their setting so maybe the geo red worked ok for them because it was actually using cleat text channel. In fact we have found some wrong and missing settings in their proposal like point : incorrect port assignment for MTLS in intersite GW and wrong tls value (it is set to 1 meaning clear text) for a eric-pcf-peer-discovered-ccpc component). Anyway, the geo-red is not working for MTLS as the CCPC instance see each other as "disconnected". When using cleat-text for the Geo-red, it is working fine and both side see each other with "connected" status

Comments

Comment by [Fredrik Gustavsson](#) [2025-04-24]

This issue is fixed in design, see [UCCPOCDEV-531](#) for more information.

Comment by Reema Sidhwani [2025-04-24]

Hi Fredrik, should this ticket be closed? If I remember right, it was proposed to be addressed as new requirement and has not been prioritized yet.

[UCC_PLM-82] Incorrect NeLS config during CCD installation Created: 2024-08-20 Updated: 2024-09-03 Resolved: 2024-08-27

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 0.2.2
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UCCPOCDEV-546	PLM: Incorrect NeLS config during CCD...	Rejected
Defect code_qmt:	3- Usability		
Sprint:	UCC Sprint 12		
Detected in phase:	Production		
Severity_qmt:	3- Medium		
Found in Build:	UCC Appliance 0.2.2		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

During the install of CCD 2.28, part of UCC 1.0, the ccdadm.yaml is configured with:

```
% grep -B1 -A4 nels ~/config/ccd/ccdadm-bubble1b-config.yaml
license:
  nels_host: "172.20.19.36"
  licensing_domains:
    - customer_id: "946060"
      product_type: "ECCD"
      swlt_id: "COMPAD_KT_B1_CCD"
```

However, after the installation completes, we have the following configuration in the deployment:

```
% kubectl -n kube-system get pod eric-app-sys-info-handler-58c4fbf99b-q8ptz -o yaml | grep -C3 9099
  - name: PROBE_SERVER_REQUEST_TIMEOUT
    value: "8"
  - name: NELS_ADDRESS
    value: https://test.application.info:9099
  - name: NELS_SCHEME
    value: https
  - name: NELS_PORT
    value: "9099"
  - name: NELS_APP_INFO_COLLECTOR_ENDPOINT
    value: application-info-collector/api/v1/applicationInfoReport
  - name: REPORT_TIME_INTERVAL
%
%
```

We discovered this by checking the alarms:

```
% curl -s http://$(kubectl get svc -n monitoring | grep -E "(^| )eric-pm-alertmanager( |$)" | awk '{ print $3 }')":9093/api/v1/alerts | jq . | grep -i description
  "description": "NeLS License Connection state is DISCONNECTED",
  "description": "NeLS Application System Info Handler Connection state is DISCONNECTED",
```

Comments

Comment by Fredrik Gustavsson [2024-08-27]

Closed. Raised against unsupported UCC Appliance 0.2.2 version. No possibility by PLM team to validate this on UCC Appliance 1.0.

Comment by Fredrik Gustavsson [2024-08-23]

The disconnected NeLS was due to a problem with cNeLS ([LSP-2130](#)) that has now been resolved.

We don't know if the incorrect NeLS server in the eric-app-sys-info-handler pod spec, caused any issues, but it would be advisable to remove hardcoded values from the config.

Opening a ticket for design to take a look.

Comment by Fredrik Gustavsson [2024-08-20]

We were able to manually enter the correct configuration by tracing the pod to its deployment and then edit it:

```
% kubectl -n kube-system edit deployment eric-app-sys-info-handler
```

[UCC_PLM-81] Automate workarounds for known issues Created: 2024-08-20 Updated: 2024-10-19 Resolved: 2024-09-04

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	0h		
Time Spent:	20h		
Original Estimate:	32h		

Issue Links:	Parent			
	Is a Parent of	UCC_PLM-56	5G COMPAD Kista Solution Integration ...	Accepted
Sprint:	UCC Sprint 12			

Description

In the installation instruction for 0.2.2, there are a few known issues listed (chapter 16).

Some of these are related to the recovery of the system after a restart and contains manual work arounds.

Since we, PLM, might not have access to the system in the field, we are attempting to automate the workarounds.

The code is placed in [UCC-APPLIANCE / UCC PLM · GitLab \(ericsson.se\)](#)

Comments

Comment by Fredrik Gustavsson [2024-09-04]

Another reboot test concludes the workaround testing

Comment by Fredrik Gustavsson [2024-09-04]

The issue 1 had a bug that was fixed, but not verified yet. This will be done in the next restart test.

For the other two issues, we have functional automated workarounds.

Comment by Fredrik Gustavsson [2024-08-20]

The programs for the workaround are:

16.1 Issue 1 – VPN Gateway advertising wrong next hop first time after a host restart

https://gitlab.rnd.gic.ericsson.se/ucc-appliance/ucc-plm/-/blob/main/bin/install-restore_vpngw-nexthop.sh?ref_type=heads

16.2 Issue 2 – Residual DataPlane not cleaned up after deployment/host restart

https://gitlab.rnd.gic.ericsson.se/ucc-appliance/ucc-plm/-/blob/main/bin/install-cleanup_ep5g_up-dp.sh?ref_type=heads

16.3 Issue 3 – One EDA pod needs manual intervention to recover after deployment/host restart

https://gitlab.rnd.gic.ericsson.se/ucc-appliance/ucc-plm/-/blob/main/bin/install-scale_eda_db-pg.sh?ref_type=heads

For issue 1 and issue 2, we need to perform additional testing to ensure the correct function once we have a working UCC system.

[UCC_PLM-80] Observing WorkloadMemoryUsageThresholdReached alarm in PCX			
Status:	Rejected	Created: 2024-08-16	Updated: 2024-09-23
Project:	UCC_PLM	Resolved: 2024-09-23	
Component/s:	None		
Affects Version/s:	UCC Appliance 1.0.0-rc1		
Fix Version/s:	None		

Type:	Bug	Priority:	Medium
Reporter:	Akshaya Avin Shetty	Assignee:	Maxime Mathieu
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks	is blocked by	UCCPOCDEV-576	PLM:Observing WorkloadMemoryUsageThre...	Done
Defect code_qmt:	3- Usability				
Sprint:	UCC Sprint 13				
Detected in phase:	Development & Functional				
Severity_qmt:	3- Medium				
Found in Build:	UCC Appliance 1.0.0-rc1				
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED				

Description

In Aachen Lab (deacucc1a and deacucc1b) after deployment of ep5g observing minor WorkloadMemoryUsageThresholdReached alarm.

WorkloadMemoryUsageThresholdReached

```

active-severity      Minor
service-name        eric-pm-bulk-reporter
event-type          ProcessingErrorAlarm
expires              23
source               /sys:system/x/workload-type[name=StatefulSet]/workload-name[name=eric-data-object-storage-mn]/container[name=eric-data-object-storage-
mn]
specific-problem   Workload Memory Usage Threshold Reached
probable-cause     207
major-type          193
minor-type          13041715
last-event-time    2024-08-04T21:39:10.000548 CEST
additional-text     The memory resource usage threshold is reached for a workload.

```

Comments

Comment by [Akshaya Avin Shetty](#) [2024-08-16]

This alarm was observed on PCX 1.14EP1 in UCC 1.0_RC1 release.

[UCC_PLM-79] N6 Issue: Inter context routing, which is not standardized

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	UCC Appliance 0.2.2

Fix Version/s:	None
----------------	------

Type:	Bug	Priority:	Low
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks		
	is blocked by	UCCPOCDEV-527	PLM: Missing router configuration doc...
Defect code_qmt:	3- Usability		Rejected
Detected in phase:	Production		
Severity_qmt:	3- Medium		
Found in Build:	UCC Appliance 0.2.2		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

In Tef- call testing it was observed that user plane traffic- N3 were impacted as no downlinks packets were visible. In troubleshooting we observed some routing issue & same has been rectified and issue Fixed.

During trouble shooting we observed that CU team has done some customization as inter-context routing for RAN to Router & vice-versa defined for user plane traffic. We are not sure whether this standard recommendation as per UCC artifacts.

So, need clean & clear instructions for the router configuration in UCC should be documented within/outside installation guide.

Comments

Comment by Fredrik Gustavsson [2024-08-23]

This has been decided to be outside the scope of UCC 0.2.2 and therefore not considered a bug.

At this point, design is investigating if this is a new requirement or if it can fit into an upcoming networking document.

[UCC_PLM-78] Storage issue : Customer forgot to install storage disk

Created: 2024-08-14 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:			
Issue Links:	Blocks		
	is blocked by	UCCPOCDEV-536	PLM: Storage verification during inst...
Defect code_qmt:	1- Functional		Done
Sprint:	UCC Sprint 12		
Detected in phase:	Production		
Severity_qmt:	2- High		
Found in Build:	UCC Appliance 0.2.2		

Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED
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Description

Hi Team,
During UCC installation in one of Mela PoC(Telefonica)- customer missed to mount disk in compute of Baremetal. The issue was tracked during CCD installation as deployment was failed due to storage error.
On comparing with Aachen setup- it was identified the disk was missing.
Recommendation is to add the storage verification steps in HW installation section in deployment guide

Comments

Comment by Fredrik Gustavsson [2024-08-27]
The UCC Appliance 1.0 will have this clarified in the II.

[UCC_PLM-77] Default time zone not set to UTC Created: 2024-08-13 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks		
	is blocked by	UCCPOCDDEV-520	PLM: Default time zone not set to UTC
Severity_qmt:	4-Low/Cosmetic		Done
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

In the config/ccd/ccdadm-ucc1[ab]-config, the default time zone is not set to UTC: timezone: "Europe/Berlin"
If the user forgets to update this to UTC, it makes troubleshooting difficult, since the time alignment will be off between different log files.
We suggest updating the default value to: timezone: "Etc/UTC"

Comments

Comment by Fredrik Gustavsson [2024-09-03]
LLD has been updated in UCC 1.0 to use "Etc/UTC" as the default timezone

[UCC_PLM-76] Hardcoded IP for lab license server for CCRC Created: 2024-08-12 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM

Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks		
	is blocked by	UCCPOCDEV-517	PLM: Hardcoded IP for lab license ser...
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

In the config/templates/ccrc/values.yaml.jinja2, it states that the license server is 10.63.106.192.

```
eric-lm-combined-server:
  licenseConsumerHandler:
    replicaCount: 1
    nodeSelector: {}
  licenseServerClient:
    nodeSelector: {}
    licenseServer:
      thrift:
        host: 10.63.106.192
```

However, it should take the value from the site-global, like:

```
eric-lm-combined-server:
  licenseConsumerHandler:
    replicaCount: 1
    nodeSelector: {}
  licenseServerClient:
    nodeSelector: {}
    licenseServer:
      thrift:
        host: {{nels.ip}}
```

Comments

Comment by Fredrik Gustavsson [2024-08-14]

Fixed in UCC 1.0

[UCC_PLM-75] Provide feedback on bubble1 installation Created: 2024-08-12 Updated: 2024-10-19 Resolved: 2024-08-30

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		

Remaining Estimate:	9h
Time Spent:	21h
Original Estimate:	30h

Issue Links:	Parent Is a Parent of UCC_PLM-56	5G COMPAD Kista Solution Integration ...	Accepted
Sprint:	UCC Sprint 12		

Description

During the bubble1 installation, a number of unclarities in the installation instruction were identified, as well as some errors.

This task is to ensure this is fed back to the organization to learn and provide a smoother experience for other installations.

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-30]

More II comments raised and discussions with design.

Since we have a functional bubble 1 and have gone over all documentation and given feedback where needed, we will close this task.

Comment by [Fredrik Gustavsson](#) [2024-08-13]

Raised bug: [UCC_PLM-77](#)

Comment by [Fredrik Gustavsson](#) [2024-08-12]

Provided comments in [Ericsson Ultra Compact Core - Software Installation Guide.docx](#)

Raised bug: [UCC_PLM-76](#)

Provided code solution for: [UCC_PLM-40](#)

[UCC_PLM-74] ATP for bubble1

Created: 2024-08-12 Updated: 2024-10-19 Resolved: 2024-09-13

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Cheng-Jun Li	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	15h		
Time Spent:	25h		
Original Estimate:	40h		

Issue Links:	Parent Is a Parent of UCC_PLM-56	5G COMPAD Kista Solution Integration ...	Accepted
Sprint:	UCC Sprint 13		

Description

Determine and execute the acceptance test procedure based on how it was done for bubble 7.

Positive use cases linked to the needed demo capabilities, followed by robustness/power cycling of the complete system are included.

Comments

Comment by [Fredrik Gustavsson](#) [2024-09-13]

The system has been operating for a couple of days in isolation from the /// network. This concludes the ATP since the load testing was never requested and all UE testing completed successfully, including the PTT video calls.

The system was also tested with Nokia routers and SAAB-provided UEs for interoperability on n78 and n79, and passed all tests.

Comment by [Fredrik Gustavsson](#) [2024-09-11]

Several restart tests have been concluded successfully. On the radio side, n78 and n79 are working, as well as several interop tests with Nokia routers and various UEs. We have not conducted load testing nor disconnect from the /// network and try connectivity via the demo networking.

Comment by [Reema Sidhwani](#) [2024-09-09]

Load testing to be considered to be included

Comment by [Fredrik Gustavsson](#) [2024-09-04]

We should also inform that the initial ATP, end-to-end call, was completed successfully using an MCx PTT (Leonardo) video call.

Comment by [Fredrik Gustavsson](#) [2024-09-04]

We have performed two restart cycles of the UCC server and one power cycle of all equipment (UCC server, Router, Baseband, Radio, and VM server [containing UCC jump host, DNS, cNeLS, etc.].

UCC server is recovering in about 20 min (to UE registration)

Comment by [Fredrik Gustavsson](#) [2024-08-13]

Hans asked that we do full power down of the rack for bubble1 and verify proper startup.

Daniel S. wants us to do repeated power cycles to compare recovery and find common patterns and outliers.

Comment by [Fredrik Gustavsson](#) [2024-08-12]

After speaking to Hans, he agrees on the procedure and that there is no plan to cable in a traffic generator for bubble1.

Comment by [Fredrik Gustavsson](#) [2024-08-12]

After a discussion with Rajan, for bubble7 the standard health checks in the II were executed and once they were determined to pass, an end-to-end call was established. This was the ATP used there.

[UCC_PLM-73] UCC Support plan update Created: 2024-08-09 Updated: 2025-04-24 Resolved: 2025-04-24

Status: Cancelled

Project: [UCC_PLM](#)

Component/s: None

Affects Version/s: None

Fix Version/s: None

Type:	Story	Priority:	Low
Reporter:	Reema Sidhwani	Assignee:	Reema Sidhwani
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint: UCC Sprint 15

Requirement Status: UCC Appliance 0.2.1 - UNCOVERED

[UCC_PLM-72] Life Cycle plan - update and review Created: 2024-08-09 Updated: 2024-09-23 Resolved: 2024-09-23

Status: Completed

Project: [UCC_PLM](#)

Component/s: None

Affects Version/s: None

Fix Version/s: None

Type:	Story	Priority:	Medium
Reporter:	Reema Sidhwani	Assignee:	Reema Sidhwani
Resolution:	Complete	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		

Time Spent:	Not Specified
Original Estimate:	Not Specified

Sprint:	UCC Sprint 13
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Comments

Comment by Reema Sidhwani [2024-08-26]
First walk through done. EoS and EoM dates for each node to be collected and updated in the document.

[UCC_PLM-71] Does UCC support eSIM? Created: 2024-07-31 Updated: 2025-02-20 Resolved: 2025-02-20	
Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	High
Reporter:	Jossy Pallan	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Description

Pls provide instructions/ test reports for enabling UCC with eSIM provisioning. If not supported, pls state the same in prod documents. Thanks!

Comments

Comment by Reema Sidhwani [2024-09-23]
Not part of UCC requirements

[UCC_PLM-70] Does UCC support NSA? Created: 2024-07-31 Updated: 2025-02-20 Resolved: 2025-02-20	
Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	High
Reporter:	Jossy Pallan	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Description

Pls provide instructions / test reports for enabling NSA if UCC supports the same. If not, shud b clearly mentioned in the prod doc stating its not supported.

Comments

Comment by Ahmed Elkhouly [2024-11-25]

NSA is supported. Tested in MCN RS with UCC 1.0 RC2.

TT can be closed

Comment by Reema Sidhwani [2024-09-23]

Requirement has been moved to UCC 1.0 CP1 planned for December

[UCC_PLM-69] BAH-MANA : mTLS makes troubleshooting very difficult Created: 2024-07-30 Updated: 2025-04-29 Resolved: 2025-04-29

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Rejected	Votes:	1
Labels:	BAH		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Association		
	Associates with	UCC_PLM-44	Procedure to troubleshoot mTLS encryp...
Sprint:	UCC Sprint 15		Rejected
Detected in phase:	Production		
Severity_qmt:	2- High		
Found in Build:	UCC Appliance 0.2.2		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello,

BAH is requested to enable profileA in UCC.

BAH has burn SIM card with profileA and UCC CCSM is configured for ProfileA.

SIM with profile A:

1. Does not work.

2. AMF does discovery of AUSF [Seen from counters]

3. AMF does not initiate any Authentication request towards AUSF [Seen from counters]

There is no easy way to do troubleshooting as AMF ITC is encrypted due to mTLS & AMF UE trace is not getting generated as SUCI is received from UE which is decrypted to SUPI only after successful Authentication by AUSF.

In shot : Blocked for BAH troubleshooting

To be specific:

AMF ITC will not show any information on SBI/http protocol as mTLS is on.

As for 5G SA call (with null encryption or with profile A/B encryption), AMF does not know SUPI without Authentication success from AUSF.

AMF UE trace will not capture anything unless Authentication process is completed.

Use-case1: if UE Authentication is failing due to keys mis-match (either on core ie UDM/UDR or in UE)

No SBI packet visibility possible on AMF ITC.

No SBI packet visibility possible on AMF UEtrace.

Only 5gs-nas message is source to find root-cause(Normal cause code: MAC Failure) by checking 5gs-nas cause code based on AMF ITC(NAS and N2 is un-encrypted).

Use-case2: if NF discovery failing due to any reason (eg case where NRF return negative response for discovery or 200 OK with empty AUSF/UDM/any other NF information).

No SBI packet visibility possible on AMF ITC.

No SBI packet visibility possible on AMF UEtrace.

Only 5gs-nas message is source to find root-cause by checking 5gs-nas cause code based on AMF ITC(NAS and N2 is un-encrypted). This become too complex as NF will return different Cause-code and it will be a guess work instead finding exact reason.

AUSF - CC27 (N1_MODE_NOT_ALLOWED)

UDM-UECM - CC22 (CONGESTION)

UDM-SDM - CC22 (CONGESTION)

PDU Session Reject - CC90 (PAYLOAD_WAS_NOT_FORWARDED)

I request to share your views for troubleshooting & ideas.

as we should not spend hours to do troubleshooting for UCC with help to Customer local access [Customer sharing screen].

No customer willing to be on troubleshooting call with hours with screen sharing with delivery or support organization .

Note :UCC is planned to have local access only. BAH has UCC with local access.

Comments

Comment by [Rajan Rajeshprasad Gupta](#) [2025-04-29]

Hello [Jim Dumont](#) , Let me close as per suggestion.

Comment by [Jim Dumont](#) [2025-04-29]

[Rajan Rajeshprasad Gupta](#) I think if you've updated troubleshooting, then perhaps that's the best we can do for now. So I'd close it.

If it's a improvement to mtl troubleshooting that could be implemented, than a standard Feature Request should be kicked off.

In any case, if it's MEDIUM, it probably won't get much attention with all the other priority issues. This ticket will age itself out as it's getting old.

Comment by [Rajan Rajeshprasad Gupta](#) [2025-04-29]

Hello [Jim Dumont](#) The issue persists without any feedback from anyone. Regardless of whether it's related to Drop 2 or UCC 1.1, there are currently no available workarounds for troubleshooting. There is no tool available.

To the best of my ability, I've updated the UCC troubleshooting document with guidance on how to troubleshoot and gain insights for a potential fix.

Please suggest, should we close or keep open ticket ?

Comment by [Jim Dumont](#) [2025-04-28]

[Rajan Rajeshprasad Gupta](#) - should we bother with this ticket or simply cancel it as essentially "obsolete"? Raise another against UCC 1.1 if still an issue?

Comment by [Zhigang Han](#) [2025-04-24]

Hi Daniel,

[Daniel Smith C](#) Should we reject this ticket or keep it as backlog?

Thanks,

BR/Zhigang

Comment by [Daniel Smith C](#) [2025-02-13]

Moving to unassigned and back into PLM Backlog.

Comment by [Rajan Rajeshprasad Gupta](#) [2024-08-06]

attached AMF ITC PCAP (kept in shared folder as unable to upload, please request access if cant access directly)

https://ericsson-my.sharepoint.com/:f/r/personal/rajan_rajeshprasad_gupta_ericsson_com/Documents/Documents/MANA-UCC/NBC/ITC-MME-05-08-2024?csf=1&web=1&e=qky3HR

I see both way its EC (Elliptic Curve). So could not find good way to decrypt mTLS packets though CA or Keys.

Comment by AURELIA DINULESCU [2024-07-30]

we appreciate your quick response on this matter as we need to troubleshoot with BAH customer as soon as possible.

[UCC_PLM-68] PCX- LKFs disabled after Nels connectivity broken for more than 14days Created: 2024-07-24 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	High
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	CCD1A-LMPodlogs_1.txt	CCD1A-PCX-Pod-Status.txt	PCX1A-Logs-License.txt	Tef-License Error.JPG
Sprint:	UCC Sprint 10, UCC Sprint 12			
Detected in phase:	Production			
Severity_qmt:	2- High			
Found in Build:	UCC Appliance 0.2.2			
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			

Description

Hi Team,

Issue observed in Telefonica-PoC.

Once the nels connectivity broken, PCX transits itself to autonomous mode.

As per the alarm info- nels connectivity went down around 1st of July.

Till 17th July- UE traces were working fine as the "show mm lm feature-key | tab & epg node license feature status" were showing the LKFs enabled.

On 18th July it was observed from the CLI- show mm lm feature-key | tab were giving the "No entries for all the AMF LKF & EPG license went in to disable state".

```
system_admin@pcc-ucc1a#show mm lm feature-key | tab
% No entries found.
system_admin@pcc-ucc1a#
system_admin@pcc-ucc1a#epg node licensed-feature status
result
License_status:
LKF_LOCATION_BASED_IP_ALLOCATION: FAT1040034/2088,Disabled_By_CLI_Deactivation
LKF_EBM_CTRL_PLANE: FAT1040034/2066,Disabled_By_CLI_Deactivation
LKF_INTEGRATED_TRAFFIC_CAPTURE: FAT1040034/2091,Disabled_By_Invalid
LKF_PDP_CAPACITY: FAT1040034/3007,Enabled
LKF_EPC5G: FAT1040034/2106,Disabled_By_Invalid
LKF_SMF_MULTIPLE_SLICES: FAT1024226/2001,Disabled_By_CLI_Deactivation
LKF_CORE5G: FAT1040034/2114,Disabled_By_Invalid
LKF_PRESENCE_REPORTING_AREA: FAT1040034/2096,Disabled_By_CLI_Deactivation
LKF_CONTENT_ENRICHMENT: FAT1040034/2042,Disabled_By_CLI_Deactivation
LKF_3GPP_SBI_CORRELATION_INFO: FAT1023381/2136,Disabled_By_CLI_Deactivation
```

Telefonica CU team restored the nels back on 19th July & hence all the LKFs enabled again. Hence UE traces & ITC traces were functional as well.

Is it any graceful timer for initial 17 days was activated & features were not disabled..? But once the graceful timer expired & since Nels connectivity was not restored – it disabled all the license..?

Issue needs to be investigated for nels requirements for LKF dependency & Node impact for LKFs.

Comments

Comment by [Rishi Shekhar](#) [2024-09-09]

Hi All,

Issue is resolved after creating new checkpoint on PCX node. Herewith are the list of events from Telefonica testing for your reference.
Initial State from PCX after shipment & PowerOn on 20/08/2024 (Shipment to customer premises took ~3weeks.)

- Lm state- locked
- Autonomous mode- Inactivate
- AMF/MME license- Not present on node
- Nels Connectivity broken- as SCs VMs on Nels were down due to 100% disk utilization.
- Checkpoint present on Node- was from 18/07/2024.

CU restored the Nels VMs and fixed the connectivity with UCC setup.

PCX status at this time.

- Lm state- unlocked
- Autonomous State- Inactivate
- Nels mode- connected
- AMF/MME license- visible/enabled
- Latest Checkpoint created on PCX with today's date

Telefonica team Power off the UCC server & then Nels server was powered off.

For testing purpose we requested Telefonica to Power On the UCC setup first and keep Nels in power off state.

- Autonomous Mode- Activated
- Lm state- Normal
- Nels mode- disconnected
- AMF/MME license- visible/enabled

Based on above observation- checkpoint needs to be created before the shipment of UCC server.

Regards

Rishi Shekhar

Comment by [Zhigang Han](#) [2024-08-30]

hi Rishi,

as we discussed, we know the root cause of this issue is NeLs server crashed but to avoid impacting the traffic, from UCC side, we need to create the good checkpoint with the valid license keys. PLM team has suggested to add one command in the deployment II about creating the checkpoint during the health check phase which we believe all the license keys are available from NeLs side.

here is one command from CPI:

Note: If the NeLs connection is lost and the PC-MM restarts, the license information can be lost if it is not checkpointed

Please let me know when we could close the ticket!!

Thanks,

BR/zhigang

Comment by [Zhigang Han](#) [2024-08-30]

hi Rishi,

here is the output of amf:

```
system_admin@pcc-bubble1b#show mm lm lm-state
mm lm lm-state AUTONOMOUS_MODE
system_admin@pcc-bubble1b#
```

all license keys are available:

```
system_admin@pcc-bubble1b#epg node licensed-feature status
result
License_status:
LKF_LOCATION_BASED_IP_ALLOCATION: FAT1040034/2088,Disabled_By_CLI_Deactivation
LKF_EBM_CTRL_PLANE: FAT1040034/2066,Disabled_By_CLI_Deactivation
LKF_INTEGRATED_TRAFFIC_CAPTURE: FAT1040034/2091,Enabled
LKF_PDP_CAPACITY: FAT1040034/3007,Enabled
LKF_EPC5G: FAT1040034/2106,Enabled
LKF_SMF_MULTIPLE_SLICES: FAT1024226/2001,Disabled_By_CLI_Deactivation
LKF_CORE5G: FAT1040034/2114,Enabled
LKF_PRESENCE_REPORTING_AREA: FAT1040034/2096,Disabled_By_CLI_Deactivation
LKF_CONTENT_ENRICHMENT: FAT1040034/2042,Disabled_By_CLI_Deactivation
LKF_3GPP_SBI_CORRELATION_INFO: FAT1023381/2136,Disabled_By_CLI_Deactivation
system_admin@pcc-bubble1b#
```

```
system_admin@pcc-bubble1b#show mm lm feature-key | tab
mm lm feature-key
PRODUCT
```

FEATURE KEY ID NAME VALID FROM EXPIRATION SHARED LICENSE KEY ID TYPE

FAT1023381/2003 multiple_plmn_support 2024-08-06T00:00:00Z - false FAT1023381/2003 SGSN-MME
FAT1023381/2007 national_roaming_restriction 2024-08-06T00:00:00Z - false FAT1023381/2007 SGSN-MME
FAT1023381/2012 equivalent_plmns 2024-08-06T00:00:00Z - false FAT1023381/2012 SGSN-MME
FAT1023381/2021 highest_qos_imsi 2024-08-06T00:00:00Z - false FAT1023381/2021 SGSN-MME
FAT1023381/2022 aace_support 2024-08-06T00:00:00Z - false FAT1023381/2022 SGSN-MME

even now cNeLs is in the locked mode which means UCC cannot connect to cNeLs. and all CNFs are in autonomous mode.

Thanks,
BR/Zhigang

Comment by [Rishi Shekhar](#) [2024-08-30]

Thanks Zhigang for updates:-

Queries from your testing when steps2 executed:-

1. What was PCX lm-state..?
2. What was the status of AMF/SMF license at this state.

Comment by [Zhigang Han](#) [2024-08-29]

hi Rishi,

today, PLM team performed one testcase for one site. Here is the test description:

- 1, we locked cNeLs
- 2, after NeLs was locked, all CNFs went to autonomous mode
- 3, we create checkpoint for amf (mm checkpoint name autonomourMode)
- 4, we reboot ucc server
- 5, after all cnfs come back, we check show mm lm feature-key
we could see all the license keys are available even cNeLs is still in locked mode (no connection)

I believe creating a good checkpoint of amf with the license keys will fix Telefonica issue.

Thanks,
BR/Zhigang

Comment by [Zhigang Han](#) [2024-08-27]

hi Rishi,

you could perform these two tests from eccd:

```
eccd@master-0-eknnosd-project-stack:~> tracepath <NeLs server IP>
eccd@master-0-eknnosd-project-stack:~> timeout 2 bash -c "< /dev/null > /dev/tcp/<NeLs server IP>/<NeLs server port>" && echo "OPEN"
OPEN
```

if two tests were failed, please request NeLs engineer to check their side.

Thanks,
BR/Zhigang

Comment by [Zhigang Han](#) [2024-08-26]

hi Rishi,

just discussed with PCC LM expert Thomas Sundell A. According to Thomas, right now smf will store the fetched license keys in the database, but amf is only to store it in cache.

that explains why we see after rebooting ucc and nels, show mm lm feature-key has no entries but smf has the correct license keys, when UCC has no connection to NeLs.

We need NeLs engineer to check NeLs side after NeLs is rebooted.

Thanks,
BR/Zhigang

Comment by [Rishi Shekhar](#) [2024-08-26]

Pod Logs & PCX node logs attached for the references.

Present state:-

Nels not reachable

Autonomous- Mode:- Inactive

MME/AMF Licesne:- No entries

mm lm-state:- Locked

Comment by [Rishi Shekhar](#) [2024-08-26]

Hi Team,

We have the NeLs issue appearing again at the customer location (intermittent NeLs connectivity wiping off the license itself and not going into Autonomous mode as expected). Only deviation I see from Tfca end is that they were powering off (hard button power off) when they leave the site.

```
system_admin@pcc-ucc1a#show mm lm feature-key | tab
```

% No entries found.

```
system_admin@pcc-ucc1a#epg node licensed-feature statu
result
```

License_status:
LKF_LOCATION_BASED_IP_ALLOCATION: FAT1040034/2088,Disabled_By_CLI_Deactivation
LKF_EBM_CTRL_PLANE: FAT1040034/2066,Disabled_By_CLI_Deactivation
LKF_INTEGRATED_TRAFFIC_CAPTURE: FAT1040034/2091,Enabled
LKF_PDP_CAPACITY: FAT1040034/3007,Enabled
LKF_EPC5G: FAT1040034/2106,Enabled
LKF_SMF_MULTIPLE_SLICES: FAT1024226/2001,Disabled_By_CLI_Deactivation
LKF_CORE5G: FAT1040034/2114,Enabled
LKF_PRESENCE_REPORTING_AREA: FAT1040034/2096,Disabled_By_CLI_Deactivation
LKF_CONTENT_ENRICHMENT: FAT1040034/2042,Disabled_By_CLI_Deactivation
LKF_3GPP_SBI_CORRELATION_INFO: FAT1023381/2136,Disabled_By_CLI_Deactivation

Comment by [Rishi Shekhar](#) [2024-08-02]

Thanks Zhigang- I will check with CU on this & will let you know.

Comment by [Zhigang Han](#) [2024-08-01]

Hi Rishi,

We suggest CU opens a ticket from NeLS side. We need to understand why NeLS side had the corrupted license keys?

Thanks,

BR/Zhigang

Comment by [Zhigang Han](#) [2024-07-29]

Hi Rishi,

Is there any update from customer side? If not, let us close this ticket!

Zhigang

Comment by [Zhigang Han](#) [2024-07-24]

Hi Rishi,

From the discussion today, we could see autonomous mode will not cause any traffic issue. When lm-state is in autonomous mode, the fetched license keys will be cached for 20 years until NeLS server is back online. From our observation, for Telefonica case, LM refreshed the license keys with NeLS server, however NeLS server gave us the corrupted keys which impacted the traffic.

here is the output with the fetched license keys from NeLS server:

18th July:- ==> the keys are corrupted

License_status:

LKF_LOCATION_BASED_IP_ALLOCATION: FAT1040034/2088,Disabled_By_CLI_Deactivation
LKF_EBM_CTRL_PLANE: FAT1040034/2066,Disabled_By_CLI_Deactivation
LKF_INTEGRATED_TRAFFIC_CAPTURE: FAT1040034/2091,Disabled_By_Invalid
LKF_PDP_CAPACITY: FAT1040034/3007,Enabled
LKF_EPC5G: FAT1040034/2106,Disabled_By_Invalid
LKF_SMF_MULTIPLE_SLICES: FAT1024226/2001,Disabled_By_CLI_Deactivation
LKF_CORE5G: FAT1040034/2114,Disabled_By_Invalid
LKF_PRESENCE_REPORTING_AREA: FAT1040034/2096,Disabled_By_CLI_Deactivation
LKF_CONTENT_ENRICHMENT: FAT1040034/2042,Disabled_By_CLI_Deactivation
LKF_3GPP_SBI_CORRELATION_INFO: FAT1023381/2136,Disabled_By_CLI_Deactivation

1st July:- ==> with the valid keys

License_status:

LKF_LOCATION_BASED_IP_ALLOCATION: FAT1040034/2088,Disabled_By_CLI_Deactivation
LKF_EBM_CTRL_PLANE: FAT1040034/2066,Disabled_By_CLI_Deactivation
LKF_INTEGRATED_TRAFFIC_CAPTURE: FAT1040034/2091,Enabled
LKF_PDP_CAPACITY: FAT1040034/3007,Enabled
LKF_EPC5G: FAT1040034/2106,Enabled
LKF_SMF_MULTIPLE_SLICES: FAT1024226/2001,Disabled_By_CLI_Deactivation
LKF_CORE5G: FAT1040034/2114,Enabled
LKF_PRESENCE_REPORTING_AREA: FAT1040034/2096,Disabled_By_CLI_Deactivation
LKF_CONTENT_ENRICHMENT: FAT1040034/2042,Disabled_By_CLI_Deactivation
LKF_3GPP_SBI_CORRELATION_INFO: FAT1023381/2136,Disabled_By_CLI_Deactivation

We see on July 1st, we have the correct egp license keys and on July 18th, we have the corrupted license keys. And for AMF part, we were not able to fetch any keys:

system_admin@pcc-ucc1a#show mm lm feature-key | tab

% No entries found.

The conclusion of the root cause:

The corrupted keys are fetched from NeLS server which impact the traffic.

There is no grace period alarm at all, so there is nothing related to grace period timer.

We could only see NeLS connection alarm.

Unfortunately, we cannot duplicate the issue from PLM side.

Thanks,
Zhigang Han

[UCC_PLM-67] UCC PCx Manual Scheduled Backup Created: 2024-07-18 Updated: 2024-09-03 Resolved: 2024-07-30

Status:	Cancelled
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Test (Xray)	Priority:	Low
Reporter:	Andrea Maio	Assignee:	Unassigned
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Comments

Comment by [Reema Sidhwani](#) [2024-07-30]

Mistake to assign it to PLM Jira

[UCC_PLM-66] LLD formula & links clean up Created: 2024-07-04 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Jossy Pallan	Assignee:	Meryam Nachi
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Sprint:	UCC Sprint 15
Team/s:	UCCPOCDEV
Severity_qmt:	4-Low/Cosmetic
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Please remove unwanted links & references to other customer info, Chinese characters etc..from LLD - (edit links & Formulas);

E20 ⌄ ⌁ ⌂ ⌃ ⌄ ⌅ ⌆ ⌇ ⌈ ⌉ sig_ext

	A	B	C	D	E	F
13			ecfe_oam	ovs		10.92.239
14						
2. VIP POOLS						
16	CLUSTER	FUNCTION	POOLNAME	Type	NetworkInstance	POC
17		ccd	vip_pool_oam		oam	10.92.239.64
18	ccda					
19						
20	ccdb					
21						
22						
23						
24						
25	3. SERVICE VIPS					
26	CLUSTER					
27						
28						
29	ccda					
30						
31						
32						
33						
34	ccdb					
35						
36						
37	4. ECFE VIPS					
38	CLUSTER					
39						
40						
41						

Edit Links

Source	Type	Update	Status
00仕様書.xls	Worksheet	A	Unknown
120426_Serive Mapping TSS_Germany_v1.0.xlsx	Remote file	A	Unknown
20.xls	Worksheet	A	Unknown
20.xls	Remote file	A	Unknown
20140703 VDC UK Business Case 2014 v35 1 3 Official UK with sensitivity analysis v4.xlsx	Remote file	A	Unknown
20161108 TAG Price Book PI3.xlsx	Remote file	A	Unknown
4.23J-フォンNTP作業手順4.xls	Worksheet	A	Unknown
925荷主部課コード対応マスタリスト作成.xls	Worksheet	A	Unknown
aaaaaTeleCorp SQ&A - GPSID4922 GN V1.xls	Worksheet	A	Unknown
Aug CoreNet Flash Submitted.xls	Worksheet	A	Unknown
AWG_Redmond_IT_Lab_GPRS4.0_SGSN02_CIQ_103102.xls	Remote file	A	Unknown
AWG_Santa_Clara_RDC_GPRS5.0_SGSN02_(Ericsson)_Config_CIQ_061104.xls	Worksheet	A	Unknown
Barajas-WG-Data-Dimensioning.xls	Remote file	A	Unknown
BLEC-CT v1.1 0426901 1300.xls	Worksheet	A	Unknown
Book2.xls	Remote file	A	Unknown

Location: \\Nomura\tmp\赤ちゃん本舗\仕様書\＊220更新対象者出力

Item:

Update: Automatic Manual

Startup Prompt...

Ready ⌂ Accessibility: Investigate



File Home Templafy Insert Page Layout **Formulas** Data Review View Automate Dev

fx	Σ								
Insert Function	AutoSum	Recently Used	Financial	Logical	Text	Date & Time	Lookup & Reference	Math & Trig	More Functions

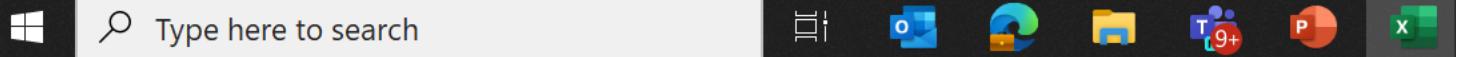
Function Library

Define Name ▾
 Use in Formula ▾
 Create from Selection
Name Manager Defined Names

14						
15	2. VIP POOLS					
16	CLUSTER	FUNCTION	POOLNAME	Type		
17	ccda	ccd	vip_pool_oam	vip-pool		
18		ccd	vip_pool_sig			
19		ccd	vip_pool_sig_data			
20		ccd	vip_pool_sig_ext			
21	ccdb	ccd	vip_pool_oam			
22		ccd	vip_pool_sig			
23		ccd	vip_pool_sig_data			
24		ccd	vip_pool_sig_ext			
25	3. SERVICE VIPS					
26	CLUSTER	FUNCTION	VIP	NEXTHOP	NetworkInstance	SUBN
27	ccda	pcx	pcx_ran_vips	172.16.0.76	ran	10.92.239.19
28						10.92.239.19
29						10.92.239.19
30						10.92.239.19
31						10.92.239.19
32	ccdb	pcx	pcx_ran_vips	172.16.1.76	ran	10.92.239.19
33						10.92.239.19
34						10.92.239.19
35						10.92.239.20
36						10.92.239.20
37	4. ECFE VIPS					
38	CLUSTER	FUNCTION	VIP	TYPE	NetworkInstance	SUBN
39		pcx				10.92.239.64
40						10.92.239.65
41						10.92.239.66

Software Versions Site Data **UCC EXTERNAL IP Plan** UCC IP Plan UCC cabling Hardware BoM

Ready Accessibility: Investigate



AutoSave (● Off) Ericsson Ultra Compact Core Solution - Low Level Design No Label •

File Home Insert Page Layout Formulas Data Review View Automate Dev

E20 : sig_ext

A	B	C	D	E	F	
13			ecfe_oam	ovs	10.92.239.62	
14						
15	2. VIP POOLS					
16	CLUSTER	FUNCTION	POOLNAME	Type	NetworkInstance	POC
17	ccdb	win_pool_oam			oam	10.92.239.62
18	ccda					
19						
20	ccdb					
21						
22						
23						
24						
25	3. SERVICE VIPS					
26	CLUSTER	FUN				
27	ccda					
28						
29						
30						
31						
32	ccdb					
33						
34						
35						
36						
37	4. ECPE VIPS					
38	CLUSTER	FUN				
39						
40						
41						

Software Versions

Ready Accessibility: Investigate

Type here to search

Comments

Comment by Åsa Preuss [2025-04-24]

Shouldn't this ticket be labeled with Document?
We need it to make statistics

BR Åsa

Comment by Reema Sidhwani [2025-04-24]

Very old and pre release ticket. Closing this one. If needed a new ticket can be opened for the next release.

Comment by Fredrik Gustavsson [2024-08-27]

Jossy Pallan , what version of UCC or LLD should this issue be reported against?

[UCC_PLM-65] PCX- Static PGW selection fails for 2nd APN Created: 2024-07-01 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UCCPOCDEV-393 PLM: PCX- Static PGW selection fails ... Done
Defect code_qmt:	1- Functional
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hi Team,

Issue:- Static PGW selection for 2nd APN fails

Impact:- 4G call testing failed for second apn with Attach Reject (ESM Failure) in Telefonica-Poc

Observation:- Attach rejected with ESM failure error for 4G call while testing with second APN.

Testing the APN resolution for PGW selection was failing, below cli logs for reference.

*Trouble Shoot:-

-----*

```
system_admin@pcc-ucc1b# system_admin@pcc-ucc1b#mm gw test-gw-selection mobile-country-code 214 mobile-network-code 38 tracking-area-code 1 access-point-name mcce.5gdongles.mnc038.mcc214.gprs
gw-selection-test
{ gw-selection-test-result Failed additional-info mcce5gdonglesmnc038mcc214gprs ebm-sub-cause-code * DNS_LOOKUP_FAILED__SERVFAIL description The external DNS server, or the caching resolver in the SGSN-MME, returned error code *2 (Server Failure). proposed-action Troubleshoot the DNS server. }

system_admin@pcc-ucc1b#mm gw test-gw-selection mobile-country-code 214 mobile-network-code 38 tracking-area-code 1 access-point-name mcce.5gdevices.mnc038.mcc214.gprs
gw-selection-test
{ gw-selection-test-result sgw-ipv4-address 172.16.247.225 pgw-ipv4-address 172.16.247.224 s8-protocol gtp num-of-candidate-pairs 1 * sgw-pgw-candidate-pairs Sgw : static.pcc-sgw. Pgw : static.pcc-sgw.* note The candidate list is sorted from the highest to the lowest priority. The gateway status are not considered here. To avoid too much printout, 30 pairs are displayed by default. To print more or less pairs, use option num-of-result. }

system_admin@pcc-ucc1b#
```

**Checks:-

-----**

```
system_admin@pcc-ucc1b#show running-config mm apn-pgw
mm apn-pgw 1 pcc-smf1
!
system_admin@pcc-ucc1b#
```

```

system_admin@pcc-ucc1b#
system_admin@pcc-ucc1b#show running-config mm gw-selection-apn
mm gw-selection-apn 1
gw-sel-apn-ni-name mcce.5gdevices
gw-sel-apn-oi-name mnc038.mcc214.gprs
!
mm gw-selection-apn 2
gw-sel-apn-ni-name mcce.5gdongles
gw-sel-apn-oi-name mnc038.mcc214.gprs
!
system_admin@pcc-ucc1b#
*WA:-
-----
system_admin@pcc-ucc1b#config
Entering configuration mode private
system_admin@pcc-ucc1b(config)#mm apn-pgw 2 pcc-smf1
system_admin@pcc-ucc1b(config-apn-pgw-2/pcc-smf1)#commit
The following warnings were generated:
'eypvalid:yang-provider-validation':
ericsson-pc-mm:mm/sbi-client-profile:Warning ; Recommendation violation; ; The value of RequestTimeout * (1+MaxHttpRetryNumber) * (1+MaxRetryNumber) is more than 30000.
ericsson-pc-mm:mm/nrf-service-instance/nrf-service-instance-name-id=nnrf_nfmanagement_1:Warning nrf-nf-instance-id NrfNfInstanceld NRF's NF instance id should be configured.
ericsson-pc-mm:mm/nrf-service-instance/nrf-service-instance-name-id=nnrf_nfdiscovery_1:Warning nrf-nf-instance-id NrfNfInstanceld NRF's NF instance id should be configured.
ericsson-pc-mm:mm/ebm/event-producer/event-job:Warning Ericsson recommends using the L_OPTIMIZED_SERVICE_REQUEST event instead of the L_SERVICE_REQUEST to monitor Service Request procedures, as the L_OPTIMIZED_SERVICE_REQUEST event can generate a smaller size of logs.
ericsson-pc-mm:mm/amf:Warning binding-support true; Recommendation violation; binding-support BindingSupport; The BindingSupport parameter won't take effect if NFSetSupport is none.
Proceed? [yes,no] yes]
Commit complete.
system_admin@pcc-ucc1b(config-apn-pgw-2/pcc-smf1)#end
system_admin@pcc-ucc1b#
system_admin@pcc-ucc1b#show running-config mm apn-pgw
mm apn-pgw 1 pcc-smf1
!
mm apn-pgw 2 pcc-smf1
!
system_admin@pcc-ucc1b#
Test the PGW selection for 2nd APN:
-----
system_admin@pcc-ucc1b#
system_admin@pcc-ucc1b#mm gw test-gw-selection mobile-country-code 214 mobile-network-code 38 tracking-area-code 1 access-point-name mcce.5gdongles.mnc038.mcc214.gprs
gw-selection-test
{ gw-selection-test-result sgw-ipv4-address 172.16.247.225 pgw-ipv4-address 172.16.247.224 s8-protocol gtp num-of-candidate-pairs 1 sgw-pgw-candidate-pairs Sgw : static.pcc-sgw. Pgw : static.pcc-sgw. note The candidate list is sorted from the highest to the lowest priority. The gateway status are not considered here. To avoid too much printout, 30 pairs are displayed by default. To print more or less pairs, use option num-of-result. }
system_admin@pcc-ucc1b#

```

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-12]

n/a in UCC 1.0

Comment by [Fredrik Gustavsson](#) [2024-07-02]

[UCCPOCDEV-393](#) has been created to identify the possible cause.

[UCC_PLM-64] [Install UCC 0.2.2](#) Created: 2024-06-28 Updated: 2024-10-19 Resolved: 2024-08-26

Status:	Resolved
Project:	UCC_PLM

Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Task	Priority:	Critical
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	20h		
Time Spent:	60h		
Original Estimate:	80h		

Issue Links:	Parent		
	Is a Parent of	UCC_PLM-56	5G COMPAD Kista Solution Integration ...
Sprint:	UCC Sprint 11		Accepted

Comments

Comment by Cheng-Jun Li [2024-08-24]
UE provisioning is now completed. 20 UEs are provisioned.
A snapshot of bubble1 sysem is created and saved.
Scheduled to make call test on Monday with Hans and Sonu.
Comment by Fredrik Gustavsson [2024-08-23]
The license for EDA has also been installed and that concludes all licensing.
The system is now installed, verified, and ready for UE provisioning.
Comment by Fredrik Gustavsson [2024-08-20]
The license for CCSM is delivered and CCSM is now installed.
Comment by Cheng-Jun Li [2024-08-09]
Remaining task for deployment:
CCSM deploy; we can not proceed further due to missing license; hoping for license to be granted by Hans' team next week ASAP, as this is a BLOCKING issue .
After CCSM deployment, we will do the HSS validator plugin (we suspect there's dependency on CCSM).
After CCSM and HSS validator plugin, we would have completed all CNF deployment. Then we will proceed to chapter 14 of the II which is to do health check steps for all CNFs.
Comment by Fredrik Gustavsson [2024-08-09]
EDA and CNOM are installed w/o licenses.
CCSM cannot be installed w/o a license. We will pause this activity until a license is available.
Comment by Fredrik Gustavsson [2024-08-09]
CCD, PCx (PCC, PCG) are installed and have licenses.
CCRC, and CCDM are installed w/o licenses.

[UCC_PLM-63] Complete Low-Level Design (CIQ) Created: 2024-06-28 Updated: 2024-10-19 Resolved: 2024-08-02			
Status:	Resolved		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Task	Priority:	Critical
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	8h		

Time Spent:	Not Specified
Original Estimate:	24h

Issue Links:	Parent			
	Is a Parent of	UCC_PLM-56	5G COMPAD Kista Solution Integration ...	Accepted
Sprint:	UCC Sprint 10			

Comments

Comment by Zhigang Han [2024-08-02]
We have created DNS FQDN and also updated bubble 1 CIQ. We are closing PLM-63 ticket. If needed, we will continue updating the CIQ whenever we find any issues
Comment by Zhigang Han [2024-08-01]
update NTP/DNS/cNeLS/APN in bubble CIQ but we are still missing DNS FQDN and BGP setting. From bubble 1 router configuration, it looks like we are using the same values of BGP setting as bubble 7. If it is the case, we just miss DNS FQDN value to complete bubble 1 CIQ
Comment by Fredrik Gustavsson [2024-07-29]
Most configuration has been updated. Due to vacations, we're missing some input, and this is blocking us.

[UCC_PLM-62] Verify router configuration Created: 2024-06-28 Updated: 2024-10-19 Resolved: 2024-08-05				
Status:	Resolved			
Project:	UCC_PLM			
Component/s:	None			
Affects Version/s:	None			
Fix Version/s:	None			

Type:	Task	Priority:	Critical
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	16h		
Time Spent:	Not Specified		
Original Estimate:	24h		

Issue Links:	Parent			
	Is a Parent of	UCC_PLM-56	5G COMPAD Kista Solution Integration ...	Accepted
Sprint:	UCC Sprint 10			

Description

Validate the cabling and create the configuration file
--

Comments

Comment by Zhigang Han [2024-08-05]
we have done bubble 1 router verification and updated some configurations according to the delta between bubble 7 and bubble 1. we are closing this ticket, however we will continue working on bubble 1 router configuration during the deployment phase.
Comment by Fredrik Gustavsson [2024-08-02]
The mapping for the host mgmt interface is:
ens22f0 -> 1/1
Comment by Zhigang Han [2024-08-02]
we did comparison between bubble 1 router configuration and bubble 7 router configuration. There are many differences between bubble 1 and bubble 7. Next Monday, we will have a session with bubble 7 engineer Rajan. After the meeting, if everything is clear, we will close the ticket as soon as possible!!
Comment by Zhigang Han [2024-08-01]
from bubble 1 router, we verified there are routes to NTP/DNS/cNeLs
Comment by Fredrik Gustavsson [2024-07-30]
Using LLDP on the UCC server we discovered the following mapping:

ens1f0np0 -> 1/29
ens1f1np1 -> 1/30
ens21f0np0 -> 1/31
ens21f1np1 -> 1/32

The router is not configured to send LLDP on the port for the ens22f0 interface

Comment by [Reema Sidhwani](#) [2024-07-30]

Dependency on the Kista contacts.

Comment by [Fredrik Gustavsson](#) [2024-07-29]

The bubble 7 config has been adapted for bubble 1. We need to validate the cabling.

[UCC_PLM-61] Ensure that license keys are available

Created: 2024-06-28 Updated: 2024-10-19 Resolved: 2024-08-21

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Critical
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	0h		
Time Spent:	7h		
Original Estimate:	1h		

Issue Links:	Parent	Is a Parent of	UCC_PLM-56	5G COMPAD Kista Solution Integration ...	Accepted
Sprint:	UCC Sprint 11				

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-21]

The missing EDA license has been delivered and installed. We now have all licenses for bubble1.

Comment by [Fredrik Gustavsson](#) [2024-08-20]

We have received the corrected CCSM license, and it's now installed in cNeLS.

However, when checking, we're still missing the EDA license. The license center is investigating why the LAC wasn't sent out. It was in the same ECP cart as CCRC and CCRC was sent.

We faced a cNeLS issue when removing the old CCSM LKF with the system entering a locked state. This prevented any use of the cNeLS license service. A solution was found, as documented in: <https://eteamproject.internal.ericsson.com/browse/LSP-2130>

Comment by [Fredrik Gustavsson](#) [2024-08-20]

EDA has granted the exemption, and the order was sent and a LAC received.

Unfortunately, the CCSM order was incorrect and had to be reissued, this was done on Friday and we're still waiting for the LAC.

For CCDM, the second LAC could not be activated due to a tool issue with a delayed backend sync. This was resolved over the weekend.

The status right now is that for all CNFs, except CCSM, the LACs are received, activated, and provisioned into cNeLS.

Comment by [Fredrik Gustavsson](#) [2024-08-13]

The CCSM, CCDM, and CCRC exemptions are approved and the license requests are with the licensing center now.

As soon as LACs are issued, we will proceed with the installation of bubble1.

There is still no answer on the exemption for EDA.

Comment by [Fredrik Gustavsson](#) [2024-08-09]

The CCSM deployment is failing due to the missing license. All other CNFs are installed.

We need to prioritize acquiring a license for CCSM since this is a blocker for bubble1

Comment by [Fredrik Gustavsson](#) [2024-08-08]

For the bubble1 installation, we are proceeding using the following SW License Target IDs:

COMPAD_KI_B1_CCD (CCD)
COMPAD_KI_B1_PCG (PCG)
COMPAD_KI_B1_PCC (PCC)
COMPAD_KI_B1_CCRC (CCRC) <not confirmed>
COMPAD_KI_B1_CCSM (CCSM) <not confirmed>
COMPAD_KI_B1_CCDM (CCDM) <not confirmed>
COMPAD_KI_B1_CNOM (CNOM) <not confirmed>
COMPAD_KI_B1_EDA (EDA) <not confirmed>

For the <not confirmed> ones, we will configure and install the CNFs but the LACs are not ordered yet.

Comment by [Fredrik Gustavsson](#) [2024-08-07]

The LKFs for PCC and PCG have been received and successfully provisioned into cNeLS by Sonu

Comment by [Fredrik Gustavsson](#) [2024-08-02]

An LKF for CCD has been received and will be provisioned into cNeLS on Monday

Comment by [Fredrik Gustavsson](#) [2024-08-02]

Sonu has the LACs for CCD, PCC, and PCG and should be able request the LKFs currently. Then we can enter this into the local cNeLS.

For the remaining CNFs, there seems to be an exemption request/s required and Sonu indicated to wait for Hans to come back before we act on this. It would also be good to have Mats back for this.

Comment by [Reema Sidhwani](#) [2024-07-30]

Waiting for the license keys. Dependency on Kista contacts.

[UCC_PLM-60] Verify environment Created: 2024-06-28 Updated: 2024-10-19 Resolved: 2024-08-02

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Critical
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	0h		
Time Spent:	3h		
Original Estimate:	1h		

Issue Links:	Parent Is a Parent of UCC_PLM-56	5G COMPAD Kista Solution Integration ...	Accepted
Sprint:	UCC Sprint 10		

Description

Verify the surrounding environment including:

1. DNS (to be set up as a separate VM)
2. cNeLS (also separate VM)
3. NTP (to be set up as VM)

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-02]

I did a first review of the DNS entries and removed some bubble 7 left overs. This concludes the environment verification.

Comment by [Fredrik Gustavsson](#) [2024-08-02]

The DNS wasn't listening on 172.20.19.53. This was most likely a copy/paste error from the DNS in bubble 7. This has been resolved now that it's tested to work correctly.

The DNS entries have to be reviewed prior to installation.

Comment by [Fredrik Gustavsson](#) [2024-07-30]

cNeLS seems to be located on 172.20.19.36

Feedback from Sonu:

DNS: 172.20.19.53

NTP is located on router: 172.20.19.1

Comment by [Reema Sidhwani](#) [2024-07-30]

Support needed from Kista lab. Being planned for sprint 10.

[UCC_PLM-59] Configure Jump host Created: 2024-06-28 Updated: 2024-10-19 Resolved: 2024-07-30

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Critical
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	1h		
Time Spent:	Not Specified		
Original Estimate:	40h		

Issue Links:	Parent Is a Parent of	UCC_PLM-56	5G COMPAD Kista Solution Integration ...	Accepted
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Description

This task to prepare the Bubble 1 Jump host (ucc-jh) for a UCC 0.2.2 installation.

[UCC_PLM-58] Deviation in domain name not recommended Created: 2024-06-28 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	 AMF-NF Profile.txt		
Issue Links:	Blocks is blocked by	UCCPOCDEV-394	PLM: clarify allowed DNS configuration Done
Severity_qmt:	1- Critical		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hi team,

Based on the Telefonica-requirements in PoC- we changed the domain name from 5gc.mnc.mcc.3gppnetwork.org to customer specific **5gc.mnc38.mcc214.mccenetwork.org**.

The changes were done for all CNFs fqdns during the CNFs deployment & in call testing it impacted the PDU session creation- however registration was working fine.

On troubleshooting- we found the PFCP session getting terminated immediately after establishment < 1s.

AMF NF profile on NRF- still shows the registration with default domain- 5gc.mnc.mcc.3gppnetwork.org instead of **5gc.mnc38.mcc214.mccenetwork.org**. And suspecting the AMF fqdn must be hardcoded somewhere from the drop files.

Curl AMF profile FYR:-

```
eccc@ucc-ucc1a:~> curl -s http://172.16.5.80:80/nnrf-nfm/v1/nf-instances/2bdac597-2877-435c-a191-8b033f93cf0d | jq .
```

"nfStatus": "REGISTERED",

- "fqdn": "pcc-ucc1a.amf.5gc.mnc038.mcc214.3gppnetwork.org",
"nfType": "AMF",
"locality": "ccda",
"interPlmnFqdn": "**pcc-ucc1a.amf.5gc.mnc038.mcc214.3gppnetwork.org**",
"plmnList": [{"mnc": "38", "mcc": "214"}
]

Regards

Rishi Shekhar

Comments

Comment by [Åsa Preuss](#) [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

Can the ticket be closed?

BR Åsa

Comment by [Fredrik Gustavsson](#) [2024-08-12]

UCC 1.0 LLD updated to clarify that the domain name is not flexible.

[UCC_PLM-57] Secure KT / Competence Development Sessions Created: 2024-06-27 Updated: 2024-09-09 Resolved: 2024-09-09

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	5GCompad		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	UCC Sprint 12
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Description

From Daniel:

- Here there will be a couple elements to closing this ticket overall:
- We need to have a Task/Deliverable that outlines the delivery of the Package that [@Ahmed Elkhouly](#) gave to TFE and that [@Jossy Pallan](#) guys will deliver. ([@Jossy Pallan](#) !! At any given point you can say for each of all of these, and yes - there should be a UCC-SUPPORT Service Desk request that is actually the driver (link) to PLM - as you wish, please chat with Hassan, since the Readiness Team overall should also be familiar with how we want UCC-SUPPORT to Work and the pass over to PLM)

Comments

Comment by [Reema Sidhwani](#) [2024-08-12]

Team continues work on bubble 1 but having access to a similar test system is needed. Support from Rajan is available.

Follow up on available test systems to be done.

Comment by [Reema Sidhwani](#) [2024-07-29]

Reema to speak to Jossy to list concrete tasks for KT in order for PLM team to start taking tickets on 1st Oct

[UCC_PLM-56] 5G COMPAD Kista Solution Integration support - LATVIA LMT TARGET Created: 2024-06-27 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Accepted
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Epic	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Cheng-Jun Li
Resolution:	Done	Votes:	0
Labels:	5GCompad		
Remaining Estimate:	80h		
Time Spent:	Not Specified		
Original Estimate:	80h		

Issue Links:	Parent	Description	Status
	Is a Child of UCC_PLM-59	Configure Jump host	Resolved
	Is a Child of UCC_PLM-60	Verify environment	Resolved
	Is a Child of UCC_PLM-61	Ensure that license keys are available	Resolved
	Is a Child of UCC_PLM-62	Verify router configuration	Resolved
	Is a Child of UCC_PLM-63	Complete Low-Level Design (CLQ)	Resolved
	Is a Child of UCC_PLM-64	Install UCC 0.2.2	Resolved
	Is a Child of UCC_PLM-74	ATP for bubble1	Resolved
	Is a Child of UCC_PLM-75	Provide feedback on bubble1 installation	Resolved
	Is a Child of UCC_PLM-84	Automate workarounds for known issues	Resolved
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		
Epic Name:	5G Compad - Latvia target B1		

Description

From Daniel:

- Here is where we tie the scope of "what Hans wants to test" - and that he will say is e2e call, but we want the resource to detail this out in a normalized way, so we know what "end to end" in Hans view means, it should detail.
- here is the nodes in the middle, here are the interfaces that are being "flexed/tests", MNC/MCC, subscriber information, etc. The basic intake.
- From there, it should be clear that (we can modify the ticket/title) are doing it for "The call case/e2e definition" for this set, if later, another, we can replicate the tickets.
- part of the longer term goal (and we can provider Eric H. /Maria) will be to "jazz up" / harden up our fields on the inbound UCC PLM JIRA board, since it will be the "Face" of support for the first 2 year.
- This will also capture the Milestones that we will find out from Per over the coming days. and whatever things we need to do "along the way overall"

This task is related to the travel kit (aka bubble 1) and involves installation of UCC 0.2.2

Comments

Comment by [Fredrik Gustavsson](#) [2024-09-13]

A lot has happened since the last update. Both n78 and n79 is working fine.

SAAB has visited the lab with Nokia router and additional UEs for compatibility testing and all went well.

The system has been tested disconnected from the /// network to verify isolated operation, and it is working fine.
We have conducted several robustness tests involving restart of the UCC node and also the complete system including radios, and the system recovers fully-automatically.

Comment by [Hassan Asfan](#) [2024-08-29]

Feedback in today's call from Hans on the testing:

-Testing is done with Cradlepoint on N78 (still trying with N79).

Comment by [Fredrik Gustavsson](#) [2024-08-26]

The networking issue has been resolved and we have tested the system successfully by performing an MCx PTT (Leonardo) call.

The next steps are of the 5G Compad team to try out new radios

After some initial positive testing, we will start of the robustness testing, mainly power cycle testing.

Comment by [Reema Sidhwani](#) [2024-08-26]

On track as per the plan below. Networking/routing issue being investigated.

Comment by [Reema Sidhwani](#) [2024-08-20]

Tentative time plan:

Assuming licenses are available on 21.8

- Installation of UCC and healthchecks - 3 days - finish by 23.8
- Integration with RAN - Needs to be done by Hans - might have some iterations - finish by 28.8
- E2E call testing - finish by 30.8
- Robustness testing (including automation of workarounds) - finish by 6.9

Comment by [Reema Sidhwani](#) [2024-07-29]

Convert this task to Epic and convert the sub tasks into tasks

Comment by [Cheng-Jun Li](#) [2024-07-25]

This week we have been preparing/updating the CCD and CNF yaml config as much as we can based on the CIQ data we have received so far (the missing ones can only be obtained later upon members of Hans' team's return).

We have uploaded some of the relevant files to our UCC PLM @5G Compad Teams channel (let us know if you want to join the channel).

Others are found directly on the bubble1 umphost.

Comment by [Cheng-Jun Li](#) [2024-07-25]

From: Reema Sidhwani <reema.sidhwani@ericsson.com>

Sent: Monday, July 22, 2024 4:11 AM

To: Cheng-Jun Li <cheng-jun.li@ericsson.com>; Daniel Smith C <daniel.c.smith@ericsson.com>; Fredrik Gustavsson <fredrik.gustavsson@ericsson.com>; Didem Pariltay <didem.pariltay@ericsson.com>; Arno Masella <arno.masella@ericsson.com>; Eric Hamelin <eric.hamelin@ericsson.com>; Maxime Mathieu <maxime.mathieu@ericsson.com>; Zhigang Han <zhigang.han@ericsson.com>

Subject: RE: Biweekly Sprint planning - UCC PLM and Release ==> update and issue on [UCC_PLM-56](#)

Hi Cheng,

Thanks for the update!

From the out of office reply of Hans, it seems that the whole 5G Compad team is away this week. Next week they will have one person Sonu Singh Dalal who will be around to support. I am afraid it won't be possible then to progress much this week unless Daniel knows of other contacts.

I will also check today in the program meeting if there are any other people who can be of help.

Regards,

Reema

From: Cheng-Jun Li <cheng-jun.li@ericsson.com>

Sent: Saturday, 20 July 2024 4.46

To: Reema Sidhwani <reema.sidhwani@ericsson.com>; Daniel Smith C <daniel.c.smith@ericsson.com>; Fredrik Gustavsson <[fredrik.gustavsson@ericsson.com](mailtofredrik.gustavsson@ericsson.com)>; Didem Pariltay <didem.pariltay@ericsson.com>; Arno Masella <arno.masella@ericsson.com>; Eric Hamelin <eric.hamelin@ericsson.com>; Maxime Mathieu <maxime.mathieu@ericsson.com>; Zhigang Han <zhigang.han@ericsson.com>

Subject: RE: Biweekly Sprint planning - UCC PLM and Release ==> update and issue on [UCC_PLM-56](#)

Hi all,

This week, we (Zhigang, Maxime and I) have been focusing on https://eteamproject.internal.ericsson.com/browse/UCC_PLM-56 as it's the biggest task for Sprint 9.

What we've done so far:

2 knowledge transfer sessions with Rajan and Rishi who provided us with very useful and relevant info, especially on the CIQ/LLD. (we have weekly knowledge transfer sessions with them setup).

Several internal sessions digesting the info from the knowledge transfer + walking through the II + looking at bubble7 as reference system), etc.

Now we do have one issue which is kind of a showstopper: **

We were reaching out to Hans and Fahad to collect the CIQ data for bubble1 but found that Hans is already on vacation till Aug 12, and Fahad was going on vacation this week and we were lucky to reach him 1 day before his leaving. Fahad tried his best to get parts of the CIQ info (e.g. global CIDR).

We have created bubble1 LLD (using bubble7's as a template) and have updated the data based on what Fahad gave us so far.

Now the issue is that both Hans and Fahad are on vacation and we don't know other names who can fill in for them to provide us with the rest of CIQ data that's still pending.

@Daniel Smith , @Reema Sidhwani . maybe you can help on this one by identifying the right person for this during Hans and Fahad's absence?

While waiting for the missing CIQ data, our plan for next week is to go deeper and more in detail on each section of the II and prepare the corresponding config/yaml files as much as we can, knowing some parts can't be filled due to the missing CIQ info.

Thanks and have a good weekend.

Zhigang, Maxime and Cheng

---Original Appointment---

From: Reema Sidhwani <reema.sidhwani@ericsson.com

Sent: Thursday, July 11, 2024 8:31 AM

To: Reema Sidhwani; Daniel Smith C; Fredrik Gustavsson; Didem Pariltay; Arno Masella; Eric Hamelin; Maxime Mathieu; Cheng-Jun Li; Zhigang Han

Subject: Biweekly Sprint planning - UCC PLM and Release

When: Occurs every 2 week(s) on Tuesday effective 7/16/2024 until 12/31/2024 from 3:00 PM to 4:00 PM (UTC+02:00) Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius.

Where: Microsoft Teams Meeting

Hi Team,

Let's get together to plan the backlog for UCC PLM and Release activities and to kick off the next Sprint.

Thanks,

Regards,

Reema

Microsoft Teams Need help?

[UCC_PLM-55] Congestion Error seen during registration Created: 2024-06-27 Updated: 2024-07-08 Resolved: 2024-07-08

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0

Labels:	5GCompad
Remaining Estimate:	Not Specified
Time Spent:	Not Specified
Original Estimate:	Not Specified

Description

From Daniel:

- **The information is available in the threads and we "should be able to see this" now (Hans can reproduce)**
- **Things we want to capture:**
- the resource should learn and understand how/where the issue occurs (What Nx interface, what is the expected results, what is seen by what interface and really get an "Idea" via the simple error message of where it is localized)
- We want them to have the resource " go on the hunt" and find out where and what that Error message means - ***we have an assumption that the "congestion message" is a misnomer altogether and hiding the real issue - no license, we want to be 'sure'***

Comments

Comment by [Rajan Rajeshprasad Gupta](#) [2024-07-08]

Conclusion summary:

1. CC:22 ie Congestion cause code return by AMF as part of UE registration message.
2. During initial testing, AUSF is not registered into NRF, This is due to the fact that CCSM license was missing and AUSF FQDN was Incorrect in configuration.
3. CC:22 count is AMF was very high ie "313912". As almost all AUSF discovery from AMF is failed.
4. CC:22 is default cause code of AMF as AMF could not discover AUSF during UE registration.

lets close this ticket.

Comment by [Rajan Rajeshprasad Gupta](#) [2024-07-08]

Update from 08-07-2024:

1. MAC failure is reported for initial call testing --> Fixed by re-provisioning OP in ccsm provided by Hans
2. PDU session failed with "payload was not forwarded" --> UE problem, UE was using default IMS APN which was not configured in SMF and AMF could not discover SMF. Fix by correct DNN setting on UE.

Internet access to UE is not yet available. Uplink from router to internet is not yet ready. Hans will work with local team to make it work.

Comment by [Fredrik Gustavsson](#) [2024-07-06]

The bubble 7 system has been prepared for the UE registration test. All 4 IMSIs are provisioned, and the next step is to perform a UE registration when we have someone in the lab to help us with this.

CNOM has also been configured for PCC-MM, PCC-SM, and PCG and we will try to use ITC for packet capture.

[Zhigang Han](#), please drive this activity, and involve [Maxime Mathieu](#) and [Cheng-Jun Li](#), to ensure that UE registration is successful, and report back the status in this ticket.

Comment by [Rajan Rajeshprasad Gupta](#) [2024-07-03]

Update:

PCAPs / UE trace is not available to understand IMSI and reason for reject.

However, AMF counters does indicate too many attempts are rejected by AMF as casue-code 22(congestion).

22 CONGESTION This EMM cause code is sent to the UE because of congestion in the network (for example no channel, facility busy or congested).

```
system_admin@pcc-bubble7b#metrics-query pcmm_VS_MM_RegInitRejCc22_5GS
{
  "data": {
    "result": [
      {
        "metric": {
          "_name_": "pcmm_VS_MM_RegInitRejCc22_5GS",
          "job": "kubernetes-pods",
          "value": [
            "2024-07-03T15:34:57+02:00",
            "0"
          ]
        },
        {
          "metric": {
            "_name_": "pcmm_VS_MM_RegInitRejCc22_5GS",
            "job": "kubernetes-pods",
            "value": [
              "app_kubernetes_io_name": "eric-pc-mm-controller",
              "kubernetes_namespace": "ep5g",
              "kubernetes_pod_name": "eric-pc-mm-controller-796d8df588-nmm9p"
            ]
          }
        }
      }
    ]
  }
}
```

```

6774c57fd7-fhm5l"
        }

    "value": [
        "2024-07-03T15:34:57+02:00",
        "313912"
    ]
},
"resultType": "vector"
},
"status": "success"
}
system_admin@pcc-bubble7b#

```

Normally, AMF send CC=22 if it cant discover AUSF for authentication procedure.

With current changes in nels firewall and correction on configuration, now, all NFs are registered into NRF.

We should do re-test and capture AMF UE trace to understand reasons.

```

eccd@ucc-bubble7b:~> for VAR in `curl -s http://$NRFIP:80/nnrf_nfm/v1/nf_instances | jq '.links.item[] | .href' | sed 's/.cest(.)"/1/g'`; do echo "NF Info:"; curl -s http://$NRFIP:80/nnrf_nfm/v1/nf_instances$VAR | jq -n ".nfType,locality,nfStatus,nfInstanceId"; echo "
-----";
NF Info:
{ "nfType": "SMF", "locality": "ccdb", "nfStatus": "REGISTERED", "nfInstanceId": "d67766fc-210f-4ecf-858f-000000b1c1d2" }

-----
NF Info:
{ "nfType": "HSS", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "7a7d201e-0617-48e7-9215-a40e268500df" }

-----
NF Info:
{ "nfType": "UDR", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "e8b5865c-49e8-463e-8f16-99eccd1d3f44" }

-----
NF Info:
{ "nfType": "AMF", "locality": "ccdb", "nfStatus": "REGISTERED", "nfInstanceId": "d67766fc-210f-4ecf-858f-000000a1c1d2" }

-----
NF Info:
{ "nfType": "UDM", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "741d1b7c-5103-11e9-8c09-174c95907e27" }

-----
NF Info:
{ "nfType": "AUSF", "locality": null, "nfStatus": "REGISTERED", "nfInstanceId": "cbd3f7d9-ecba-40fa-a788-a8d07bd17067" }

-----
```

```

eccd@ucc-bubble7b:~>
eccd@ucc-bubble7b:~>
eccd@ucc-bubble7b:~>
eccd@ucc-bubble7b:~> date
Wed 03 Jul 2024 02:46:27 PM CEST
eccd@ucc-bubble7b:~>
```

Will wait for Hans to repeat test.

[UCC_PLM-54] NeLS Migration Support Created: 2024-06-27 Updated: 2024-10-19 Resolved: 2024-07-16

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Low
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned

Resolution:	Resolved	Votes:	0
Labels:	5GCompad		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Parent			
	Is a Parent of	UCCPOC-5	Demo - GFT 5G COMPAD in Kista - Bubble 7	Completed
Sprint:	UCC Sprint 9			

Description

From Daniel:

- **This should be a ticket that also gets some person in PLM to look at and help (or watch) Hans set that up, it's a good chance to catch the integration and we should treat this properly.**
- In order to achieve a NELS installation Locally, we need the following (given the current state of things) - this should be the "TWO Tasks" that the resource that Fredrik (and soon to be Reema will assign outwards).
- A new / updated set of LACs for the new NELS system (AP: Either Hans or Send to Mats Persson for direction on how to get this through)
- A procedure on how to change the target NELS IP (and other configurations, since you have to pass swltid in the ccd layer)
- **NOTE: This is actually 'needed' when we talk about going from pre-staging to staging area today in another meeting, so we "have to do this anyway" at some point. (check out the mail that I sent to TSO/SSM team)**

Comments

Comment by Fredrik Gustavsson [2024-07-06]
Related to bubble 7, the license issue is AFAIK, resolved now.
For bubble 1, licenses are ordered but LACs are not received yet. The cNeLS installation turned out to be problematic. This may be due to disk corruption, and we had container images with incorrect checksums, but that has to be looked into further.
A fall-back solution may be to use vNeLS in bubble 1.

As soon as the bubble 1 NeLS is available, the fingerprint can be extracted and used in SAM to get the LKFs (provided that the LACs are issued).
--

Comment by Rajan Rajeshprasad Gupta [2024-07-03]
PCC-MM Procedure for UCC:
Step1: !To see nels parameter show run mm lm ++New parameters 946060_P2HH5QBB-PCC !
Step2:! To change nels parameters(PCC-MM does not allow to change without removing mandatory parameters) config; no mm ip-service N2-1 no mm ip-service N2-2 no mm sctp-sys sctp-end-point 3 no mm n2 n2 mm plmn 240 677 voip-services null commit; mm lm nels-configuration 1 swlt-id P2HH5QBB-PCC commit;
Step3: !To see nels status system_admin@pcc-bubble7b#show mm lm lm-state mm lm lm-state NORMAL
Step4: Inject removed configuration config; mm feature-state 5gc_amf_support feature-state ACTIVATED mm ip-service N2-1 ip-network ip-network-name RAN ip-service-address 172.20.170.213 ! ! mm ip-service N2-2 ip-network ip-network-name RAN ip-service-address 172.20.170.214

```
mm sctp-sys sctp-end-point 3
port-number 38412
ip-service-prim ip-service-name N2-1
sctp-profile sctp-profile-name S1_MME_SCTP

mm n2 n2
ng-tracking-area-validation false
n2-t3513-paging-timer 3
n2-t-ue-radio-capability-check 1500
ue-radio-capability-check true
handover-notify-timer 2000
handover-request-ack 5000
n2-t-write-replace-warning 2000
n2-t-pws-cancel 2000
max-gnodeb-unreachable-alarms 10
n2-t-n2-release-ho 3000
n2-t-emergency-services-fallback 2000
n2-repeat-paging 30
n2-repeat-paging-step 0
arp-trigger-prioritized-paging 0
n2-max-mrl-size 100
max-paged-ng-ran-node-list-length 10
n2-t-ho-guard 1500
n2-n-ho-guard 2
perform-location-report-mtlr false
n2-location-report-waiting-timer 3
n2-t-initial-context-setup 5000
n2-t-ue-context-release 2500
n2-t-ue-context-modification 2000
perform-continuous-lrc-for-ee on
location-reporting-in-mobility off
sctp-end-point sctp-end-point-no 3
```

```
mm plmn 240 677
plmn-name 240677
country-initials false
mocn-enabled false
s5-protocol gtp
local-plmn true
voip-services voip_without_emergency
supports-lte true
uplink-rate-control-limit 0
downlink-rate-control-limit 0
emergency-continuity-via-hss true
gw-selection-with-gtpc-load-info off
emergency-list-sent-to-ue ims_emergency_only
support-n26 true
supports-nr true
gtpc-overload-control-for-gw off
emergency-services-fallback no
restrict-ec-mode not_restricted
```

commit;

Comment by [Rajan Rajeshprasad Gupta](#) [2024-07-03]

Update:

SWID and IPs are corrected for each NFs via CLI "kubectl edit deploy -n XXX eric-lm-combined-server-license-server-client"

For PCC-MM:

day1 config is used "mm lm"

Comment by [Fredrik Gustavsson](#) [2024-07-03]

From Rajan for bubble 7: So far, I managed to fix NeLS SWID and IP correction for all UCC NFs and all NFs are now connected to existing NeLS and able to fetch licenses. There were issues to update SWID for PCC-MM which need to be done via day1 configuration, it was not very straight forward.

Comment by [Fredrik Gustavsson](#) [2024-06-28]

The latest information is that the firewall is now open so that the lab can reach the MCN NeLS located in the GIC.

Next step is to verify that the LKFs are available for the software and reconfigure the system, if needed, to make use of them.

The DoD is that all CNFs health check alarms related to alarms are eliminated.

For the local vNeLS, this has been installed but there is a problem with the license activation for offline vs. online licensing. Hans is working together with the licensing support for this.

The plan is also to install a cNeLS on a VM on a BM (Supermicro) in the travel kit (Bubble 1).

[UCC_PLM-53] Add Router 6675 Security Services License to UCC PPD

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	0.2.1, UCC Appliance 0.2.2
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Mats Persson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	<input type="checkbox"/> Re UCC Product Package Description - Router 6675 Security Services License.msg		
Issue Links:	Blocks is blocked by UCCSOLDES-343	PLM: Add Router 6675 Security Service...	Backlog
	Derive Derived from UCCSUPPORT-36	Add Router 6675 Security Services Lic...	Closed
	Relates relates to UCCPOC-19	PoC - MANA - Booz Allen Hamilton	In Test
Sprint:	UCC-PLM-Sprint-15		
Detected in phase:	Acceptance Testing (SV)		
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

After installing the UCC in the Booz Allen lab in Maryland, we realized that we were unable to configure an IPSec tunnel to the Ericsson ENM in Plano, TX. We had to add the Security Services License.

General UCC recommendation (from UCC TPD) is "*If baseband is placed outside UCC, IPSec, can be implemented encrypting N2 and N3 through using a SEG (Security Gateway).*"

A simpler solution would be to add the Security Services license to the Router 6675, so N2, N3 and N6 traffic can be encrypted at Router 6675.

This is also an alternative described in the MCN published recommendation "Mission Critical Networks - Solution Design with UCC Deployment" described [here](#) (calstore), chapt 6.1.3.

Comments

Comment by Mats Persson [2024-10-15]
This ticket can be closed, as the license is already added to latest UCC PPD revision G, see https://erilink.ericsson.se/eridoc/erl/objectId/09004cffd2d63eec?docno=1/22103-FGM101198/1Uen&action=approved&format=pdf .
However i see that this revision (dated Sept 27) is not included in UCC CPI, which includes revision F (dated July 1), see https://cpistore.internal.ericsson.com/elex?LI=EN/LZN7041198/1R1A&FN=1_22103-FGM101198_1Uen.F.pdf&DT=Ericsson+Ultra+Compact+Core++Product+Package+Description ,
Comment by Mats Persson [2024-06-26]
This is mainly a missing item in the UCC PPD, but may have implications on e2e testing for UCC 1.0 if we choose to include this as standard functionality. I would suggest that we add this new license to the PPD as a optional but not verified alternative in UCC 1.0.

[UCC_PLM-52] MANA: NBC # SRIOV port redundancy does not seem to work

Status:	Rejected
---------	----------

Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Issue Links:	Tests tested by UCC_PRODIV-550 PLM: MANA: NBC # SRIOV port redundanc... Done
Severity_qmt:	2- High
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello,

What we noticed when one of the port of ["ens1f0","ens1f1"] is down, the data plane eth0 (vf) stay connected to the faulty pf. Only redeployment of the pod attaches it to the other active pf.

Very easy to simulate:

Procedure to simulate:

1. Shut one of the port used for SRIOV (UCC1A case: 1/30 or 1/34)
2. To check arp from Router (show arp)
3. Ping DP from Router (ping .68 for iac)

Observation, Ping will only work if DP is connected to Port which is Up.

Questions:

1. Have you tested Port level redundancy for SRIOV Port?
2. What is purpose of having 2 SRIOV Ports?

See slides for NBC troubleshooting:

NBC: 1// " Data plane link down" alarm though configuration looks good and all the pods are in healthy state(1/5)



Background:

PCG reports alarm as below. No arp received on DP pods. No arp received on Router.

```
system-admin@pcc-ucc1a#show alarm
Thu Jun 13 17:13:03 UTC+02:00
DataPlaneLinkDown
active-severity Critical
service-name eric-pc-up-data-plane
event-type CommunicationsAlarm
expire 22
source /pcc/user-plane/podName=eric-pc-up-data-plane-7555f9c8-56e9c
56e9c interface/interfaceName=upeth0
specific-problem Data Plane Link Down
probable-cause 26
major-type 193
minor-type 9371648
last-event-time 2024-06-13T17:12:03.464459 CEST
additional-desc The upeth0 (type=etherNetCsmacd) interface is down in the eric-pc-up-data-plane-7555f9c8-56e9c pod.
system-admin@pcc-ucc1a#
```

```
[iac]CR11-#6675#show arp
total number of arp entries in cache: 7
Resolved entry : 6
Incomplete entry : 1
          host           Hardware address      Ttl   Type Circuit
 10.99.40.4 64:c3:d6:11:2c:f0  2562  ARPA 1/19 vlan-id 3053
 10.99.48.5 98:a4:04:7d:8a:93  -    ARPA 1/19 vlan-id 3053
 172.16.2.65 98:a4:04:7d:8a:80  -    ARPA bvi=ucl-pcx-iac-a vlan-id 1109
 172.16.2.66 **:69:3d:17:98:a9  1718  ARPA bvi=ucl-pcx-iac-a vlan-id 1109
 172.16.2.69 incomplete  -    ARPA bvi=ucl-pcx-iac-a vlan-id 1109
 172.16.4.193 98:a4:04:7d:8a:80  -    ARPA bvi=ucl-pcx-iac-b vlan-id 1114
 172.16.250.17 98:a4:04:7d:8a:84  -    ARPA 1/4 vlan-id 230
```

```
system_admin@pcc-ucc1a#interfaces interface up:iac ipv4 arp neighbors
system_admin@pcc-ucc1a#
```

NBC: 1 // "Data plane link down" alarm though configuration looks good and all the pods are in healthy state(2/5)

Background:

It is observed that on router one of 2 SRIOV Port, 1 Port was down(1/34). Traffic from DP is not received in any of the port.

```

ethernet 1/34 state is Down
Description : ucll-cod-a sriov
Port circuit : 1/34:511:63:31/1/0/4276
Line state : Down
Last link state change : Dec 31 18:00:00.000
Link state : Down
Admin state : Up
License priority : 6
License Activated : Yes
Port Type : 25ge

ethernet 1/30 state is Up
Description : ucll-cod-a sriov
Port circuit : 1/30:511:63:31/1/0/4133
Link state : Up
Last link state change : Jun 10 12:08:09.836
Line state : Up
Admin state : Up
License priority : 6
License Activated : Yes
Port Type : 25ge

[iac]#show port counters 1/34
Port      Type
1/34      ethernet
packets sent : 0          bytes sent   : 0
packets recvd : 0          bytes recvd  : 0
send packet rate : 0.00    send bit rate : 0.00
recv packet rate : 0.00    recv bit rate : 0.00
rate refresh interval : 60 seconds

[iac]#show port counters 1/34 0
Port      Type
1/30      ethernet
packets sent : 102799    bytes sent   : 6500032
packets recvd : 0          bytes recvd  : 0
send packet rate : 0.20    send bit rate : 102.80
recv packet rate : 0.00    recv bit rate : 0.00
rate refresh interval : 60 seconds

```

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NBC: 1 // "Data plane link down" alarm though configuration looks good and all the pods are in healthy state(3/5)

Background:

DP has only one eth port and only connected to one of the SRIOV PCI Port (either 1/30 or 1/34) during start of DP pod.

```
system-admin@pc-uccclab:~# show running-config interface erfaces interface up:eth0
interfaces interface up:eth0
description up:eth0
type ethernetCsmacd
enabled true
12-mtu 1900
```

1/30 // Case1

1/34 // Case 3

1/34//Case2

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NBC: 1// "Data plane link down" alarm though configuration looks good and all the pods are in healthy state(4/5)

Background:

DP has only one eth port and only connected to one of the SRIOV PCI Port (either 1/30 or 1/34) during start of DP pod.

```
[asic]#CR1T1-R6675#show port counters 1/30 4  
Port          Type        
1/34          ethernet  
  
packets sent : 0           bytes sent      : 0  
packets received : 0        bytes recv'd   : 0  
send packet rate : 0.00    send bit rate   : 0.00  
recv packet rate : 0.00    recv bit rate   : 0.00  
rate refresh interval : 60 seconds
```

```
[iacc]#K1T1-R6675#show port counters 1/30
Port          Type
1/30         ethernet
packets sent : 103466      bytes sent : 6623334
packets rcvcd : 37          bytes recvd : 266
send packet rate : 0.64    send bit rate : 380.09
recv packet rate : 0.00    recv bit rate : 0.00
rate refresh interval : 60 seconds
```

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NBC: 1// "Data plane link down" alarm though configuration looks good and all the pods are in healthy state(5/5)



Background:

CLI for WA.

```
kubectl scale deployment -n ep5g eric-pc-up-data-plane --replicas=0
```

```
kubectl scale deployment -n ep5g eric-pc-up-data-plane --replicas=1
```

slot	Type	Status
/19	ethernet	Up
/29	ethernet	Up
/30	ethernet	Up
/31	ethernet	Up
/32	ethernet	Up
/33	ethernet	Up
/34	ethernet	Down
/35	ethernet	Down
/36	ethernet	Down
/37	ethernet	Down
/38	ethernet	Down
/39	ethernet	Down
/40	ethernet	Down
local CKT1-H6675#		
local CKT1-H6675#		
local CKT1-H6675#show port		
slot/Port	Type	Status
/1	ethernet	Up
/2	ethernet	Up
/3	ethernet	Up
/4	ethernet	Up
/5	ethernet	Up
/6	ethernet	Down
/7	ethernet	Down
/8	ethernet	Down
/9	ethernet	Up
/10	ethernet	Up
/11	ethernet	Up
/12	ethernet	Up
/13	ethernet	Up
/14	ethernet	Up
/15	ethernet	Up
/16	ethernet	Up
/17	ethernet	Up
/18	ethernet	Up
/19	ethernet	Up
/20	ethernet	Up
/21	ethernet	Up
/22	ethernet	Up
/23	ethernet	Up
/24	ethernet	Up
/25	ethernet	Up
/26	ethernet	Up
/27	ethernet	Up
/28	ethernet	Up
/29	ethernet	Up
/30	ethernet	Up
/31	ethernet	Up
/32	ethernet	Up
/33	ethernet	Up
/34	ethernet	Up
/35	ethernet	Up
/36	ethernet	Up
/37	ethernet	Up

Fix: Jackout/JackIn SFP on router
WA: DP scaledown and scaleup. Scale=0 and Scale=1 for few times.

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Comments

Comment by [Fredrik Gustavsson](#) [2024-11-05]

This scenario, and related ones, have been tested in I&V and redundancy has been confirmed.

We will go ahead and close this issue.

[UCC_PLM-51] [Mana-NBC PoC-CCD installation looks fine but CoreDNS entry is missing in /etc/resolv.conf](#) Created: 2024-06-14 Updated: 2024-08-20 Resolved: 2024-08-20

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	High
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	<input type="checkbox"/> bmhosts.yaml	<input type="checkbox"/> bootstrap_net_cfg.yaml	<input type="checkbox"/> ccdadm-config.yaml
Sprint:	UCC Sprint 11		
Detected in phase:	Staging		
Severity_qmt:	2- High		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

We have a new- UCC setup in Mana for NBC PoC. We did the CCD deployment- deployment is clean & nodes are stable.

But still one issue observed- resolve.conf not updated here with internal K8s cluster DNS.

```
*eccd@ccds-ucc1a:~> cat /etc/resolv.conf
```

nameserver 192.168.3.9*

With reference to Aachen & Other UCC setup in Mana- resolve.comf always had one internal K8s DNS & an external DNS as per design.

FYR from other Mana Testbed & Aachen 1A:-

```
eccd@ccds-ucc1a:~> cat /etc/resolv.conf
```

nameserver 10.96.0.10 – Internal DNS

nameserver 10.99.53.10 – External DNS

eccd@ccds-ucc1a:~>

We have tested this with following variations but has been consistently seeing this:

software : 2.28.0, 2.28.1, 2.28.2

We had to use 192.168 range IPs for external OAM, so needed to change the internal IPs.

CommentsComment by [Fredrik Gustavsson](#) [2024-08-20]

Sorry for the delay. As long as you don't use the same context on the router for another system than the UCC, then the only potential source of conflict would be for the VIPs, and those may be set to unique subnets according to the LLD/CIQ.

For the internal addresses, as Daniel stated, UCC is not designed to allow any alteration of these. Any alteration means a deviation from the UCC specifications and support.

Please revert back to the original settings and integrate the UCC to the other systems using the VIP addresses instead.

If you have any further concerns or questions, please contact us again.

Comment by [AURELIA DINULESCU](#) [2024-06-17]

UCC will be connected to the R6675; the dual core mode will be connected to the R6274; the two routers will be connected in order to reach the JumpHost; RAN and so on... ; . Common Server; ENM; ESM; NFVI falls over 192.168.0.0/22; Common Server will belong to both solutions

A decision has been made to avoid any possibility of conflict and to choose a different range for UCC

Comment by [Fredrik Gustavsson](#) [2024-06-17]

Thanks [AURELIA DINULESCU](#),

How are these two systems (UCC and existing lab dual mode core) connected? Are they both on the inside of the same router? For UCC, it is designed to be the only equipment connected to the UCC networks on the router.

Comment by [AURELIA DINULESCU](#) [2024-06-17]

hi Daniel, this UCC will have the purpose of carrying the traffic of existing lab dual mode core deployment that needs to be upgraded. Unfortunately, the UCC internal IPs range overlapped with this lab existing deployment, so we had to pick a different range.

Comment by [Daniel Smith C](#) [2024-06-14]

Hello.

on first glance, i think that your issue is that the IP you have changed for the internals (please note: this is NOT supported and since the Router is the demarc, we would need to understand why you need to change the internal IP's if we are following the standard design, since they should not "collide" with anything else as the UCC is the only thing behind the router.

Since the range at the top of your ccdadm config doesnt capture the (include) this IP, i suspect that CCD skips over it

more to come, but can you please explain "why" you had to change the internals? the whole point of UCC is to "not do this" and has been written as such, so would be good to understand why this variant is there.

Thanks!

[UCC_PLM-50] Eridoc upload of GPR SOC result Created: 2024-06-13 Updated: 2024-08-13 Resolved: 2024-08-13

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Low
Reporter:	Blocked User (Inactive)	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

CommentsComment by [Didem Pariltay](#) [2024-08-13]

document is uploaded

[UCC_PLM-49] GPR SOC:ing - Security Created: 2024-06-13 Updated: 2024-06-13 Resolved: 2024-06-13

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Low
Reporter:	Blocked User (Inactive)	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	UCC Sprint 8
---------	--------------

Description

Security GPR SoCing must be performed before UCC release.

Comments

Comment by Didem Pariltay [2024-06-13]
UCC - appliance Security GPR SoCing completed and results handed over to Security expert team.

[UCC_PLM-48] GPR SOC:ing - General Created: 2024-06-13 Updated: 2024-06-13 Resolved: 2024-06-13

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Low
Reporter:	Blocked User (Inactive)	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	UCC Sprint 8
---------	--------------

Description

General GPR SoCing must be performed before UCC Release

Comments

Comment by Didem Pariltay [2024-06-13]
UCC - appliance General GPR SoCing completed, and 2 review session held with PM and technical team

--

[UCC_PLM-47] Missing steps in UCC - Software Installation Guide related to Apache2 setup	Created: 2024-06-10 Updated: 2025-04-24 Resolved: 2025-04-24
--	--

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Cheng-Jun Li	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks		
	is blocked by	UCCPOCDEV-371	PLM: Missing steps in UCC - Software ... Done
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

UCC - Software Installation Guide 1/1531-HSC 901 198/1 Uen Rev D

Chapter 7, step 14:

Additional steps for Apache2 setup/config are needed, without which 'curl http://<ip addr>:<port number>/empty.txt' will result in '403 Forbidden' HTTP response.

Here are the additional steps needed:

- 1) chmod -R o+x /home/ucc
- 2) Add below block to /etc/apache2/sites-available/000-default.conf

<Directory /home/ucc/software>

 Options Indexes FollowSymLinks

 AllowOverride None

 Require all granted

</Directory>

- 3) Restart the apache2 service to make the change effective:

sudo systemctl restart apache2

Without 1), 403 forbidden would occur due to this error: AH01630: client denied by server configuration: /home/ucc/software/CCD/empty.txt

Without 2), 403 forbidden would occur due to this error: AH00035: access to /empty.txt denied (filesystem path '/home/ucc/software') because search permissions are missing on a component of the path

Comments

Comment by Åsa Preuss [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

Can the ticket be closed?

BR Åsa

Comment by Fredrik Gustavsson [2024-08-12]

It has been updated for UCC 1.0

Comment by Cheng-Jun Li [2024-06-10]

That's a more secure alternative. Way to go I think.

Comment by Fredrik Gustavsson [2024-06-10]

An alternative to step #1 is to update /etc/apache2/envvars with:

export APACHE_RUN_USER=ucc

export APACHE_RUN_GROUP=ucc

[UCC_PLM-46] Wrong Instruction and command in UCC - Software Installation Guide Created: 2024-06-10 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Cheng-Jun Li	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks	is blocked by	UCCPOCDEV-372	PLM: Wrong Instruction and command in...	Done
Severity_qmt:	3- Medium				
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED				

Description

UCC - Software Installation Guide 1/1531-HSC 901 198/1 Uen Rev D

Chapter 7, step 14:

Start the apache2 service if it is not running:

```
sudo systemctl start apache2
```

This is wrong. It should rather be:

Restart the apache2 service to make the above change to DocumentRoot effective:

```
sudo systemctl restart apache2
```

Comments

Comment by Åsa Preuss [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

Can the ticket be closed?

BR Åsa

Comment by Fredrik Gustavsson [2024-08-12]

II updated for UCC 1.0

[UCC_PLM-45] Wrong commands in UCC - Software Installation Guide Created: 2024-06-10 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Cheng-Jun Li	Assignee:	Unassigned

Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks		
	is blocked by	UCCPOCDEV-369	PLM: Wrong commands in UCC - Software...
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

UCC - Software Installation Guide 1/1531-HSC 901 198/1 Uen Rev D

Chapter 7, step 10 below command doesn't work

Extract CNAT binary to CNAT base folder:

```
tar -xvf ~/software/cnat-1.7.0-e8f3e2b.tar.gz cnat-1.7.0-e8f3e2b/cnat | cp cnat-1.7.0-e8f3e2b/cnat ..//cnat/cnat
```

I Think the correct commands should be:

```
cd ~
mv ~/cnat-1.7.0-e8f3e2b.tar.gz ~/software
tar -xvf ~/software/cnat-1.7.0-e8f3e2b.tar.gz cnat-1.7.0-e8f3e2b/cnat
mkdir ~//cnat
cp cnat-1.7.0-e8f3e2b/cnat cnat/cnat
```

Comments

Comment by Åsa Preuss [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

Can the ticket be closed?

BR Åsa

Comment by Fredrik Gustavsson [2024-08-12]

Corrected in UCC 1.0

[UCC_PLM-44] Procedure to troubleshoot mTLS encrypted SBI signaling

Created: 2024-05-31 Updated: 2024-10-15 Resolved: 2024-10-15

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	High
Reporter:	Mats Persson	Assignee:	Unassigned
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Association		
	Is Associated with	UCC_PLM-69	BAH-MANA : mTLS makes troubleshooting...
	Blocks		Rejected

	is blocked by Dependent	UCCSOLDES-305	PLM: Procedure to troubleshoot mTLS e...	Rejected
	is depended on by Derive	UCCSUPPORT-30	NBC - disable mTLS	New
	Derived from	UCCSUPPORT-32	Procedure to troubleshoot mTLS encryp...	Answer Provided
Defect code_qmt:	3- Usability			
Sprint:	UCC-PLM-Sprint-15			
Detected in phase:	Production			
Severity_qmt:	2- High			
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			

Description

MA's & CU's need a documented procedure how to read mTLS encrypted SBI signaling messages for troubleshooting purposes.
Permanently encrypted SBI messaging will restrict MA/CU ability to debug during delivery.

Procedure could *for example* be a method to be able to decrypt the encrypted SBI messages or an instruction to disable (and later enable) mTLS for the SBI signaling for one specific or all CNFs in UCC.

Derived from [UCCSUPPORT-32](#). See also related ticket [UCCSUPPORT-30](#) issued by MANA.

Comments

Comment by [Fredrik Gustavsson](#) [2024-10-15]

After analysis in design and solution design, this should be handled as a requirement.

Please coordinate with Daniel and [UCC_PLM-69](#) on the authoring of this.

[UCC_PLM-43] PCX 1.12_doesnot support healthcheck job cli

Created: 2024-05-29 Updated: 2024-08-27 Resolved: 2024-08-27

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Akshaya Avin Shetty	Assignee:	Unassigned
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:			
Issue Links:	Blocks		
	is blocked by	UCCPOCDEV-538	PLM: PCx health-check missing in the ...
Severity_qmt:	Done		
Requirement Status:	3- Medium		
	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello Team,

As a part of cAAAT testcase, we observed that we are unable to run health-check jobs in pcx yang cli. The command is not present in cli option.

```
% Invalid input detected at '^' marker.
system_admin@pcc-deacucc1a#show heal
^

% Invalid input detected at '^' marker.
system_admin@pcc-deacucc1a#show ?
Possible completions:
  alarm                               Display active alarms
  alarm-history                      Display alarm history
  certm                             The top-level container of the Certificate Management model.
  cli                                Display cli settings
  configuration                      Display configuration changes
  diagnostic-data-collection        Configuration of the DDC service.
  epg                                EPG settings
  history                            Display CLI command history
  interfaces-state                  Deprecated, Data nodes for the operational state of interfaces
  keystore                           The keystore contains a list of keys.
  mm                                 Mobility Management including AMF and MME Valid for radio network
  nacm                              Parameters for NETCONF access control model.
  netconf-state                     Statistics about NETCONF
  network-instances                Network instances, each of which consists of VRFs and/or VSIs.
  parser                            Display parser information
  pm                                Performance Management model
  running-config                    Display current configuration
  swim                             Sw inventory management
  system-state                      System group operational state.
  tracing                           Preliminary, Tracing tools
  truststore                        The truststore contains sets of X.509 certificates and SSH host keys
  user-plane                         User Plane settings.

system_admin@pcc-deacucc1a#show
```

Comments

Comment by Fredrik Gustavsson [2024-08-27]

The answer from design is: PDU health check script does not exist in EP5G and hence in PCX that we are using.
If this is needed, please raise it as a new requirement via Andreas G for UCC 1.1.

Comment by Fredrik Gustavsson [2024-08-23]

Design has started he analysis on this issue and is confirming that health-check is not present in PCx.
Their investigation will continue to see if we can enable this for UCC.

Comment by Fredrik Gustavsson [2024-08-21]

The described usage for health-check in the ticket description is incorrect according to the CPI.

However, using PCX 1.12 (PCC 1.30, PCG 1.22), we see this:

```
system_admin@pcc-bubble1b#show running-config system authentication user system_admin groups
system authentication user system_admin
groups [ admin mm-admin mm-config-admin mm-expert-admin mm-gsh-lawful-intercept-admin mm-itc-admin mm-lawful-intercept-admin mm-read-only-operator mm-security-admin sm-admin sm-cdr-admin sm-charging-admin sm-itc-admin sm-lawful-intercept-admin sm-operator sm-tracing-admin sm-utrace-admin system-admin
system-read-only system-security-admin system-troubleshooter ]
!
```

system_admin@pcc-bubble1b#config

Entering configuration mode private

system_admin@pcc-bubble1b(config)#?

Possible completions:

acls This is a top-level container for Access Control Lists.

alias Create command alias.

certm The top-level container of the Certificate Management model.

diagnostic-data-collection Configuration of the DDC service.

dns-servers Preliminary, Configuration of the DNS functions of the system

epg EPG settings

gsa Preliminary, Geographical redundancy parameters.

interfaces Interface parameters.

intra-forwarding Preliminary, Intra-service forwarding interface for traffic steering settings.

keystore The keystore contains a list of keys.

mm Mobility Management including AMF and MME Valid for radio network access type:

LTE NR

nacm Parameters for NETCONF access control model.

nat NAT module

network-instances Network instances, each of which consists of VRFs and/or VSIs.

pm Performance Management model

routing-policy Preliminary, Top-level container for all routing policy

service-chaining Service Chaining settings.

session Global default CLI session parameters

swim Sw inventory management

system System group configuration.

tracing Preliminary, Tracing tools

truststore The truststore contains sets of X.509 certificates and SSH host keys.

user-plane User Plane settings.

—
abort Abort configuration session

change-password Change the password of current user

clear Remove all configuration changes

commit Commit current set of changes

compare Compare configuration

describe Display transparent command information

do Run an operational-mode command

end Terminate configuration session

exit Exit from current mode

file Perform file operations

help Provide help information

insert Insert a parameter

load Load configuration from a file, must be ACSII or XML format

metrics-query Execute a PM query to retrieve metrics and time series

move Move a parameter

no Negate a command or set its defaults

pwd Display current mode path

rename Rename an identifier

resolved Conflicts have been resolved

revert Copy configuration from running

rollback Roll back database to last committed version

show Show a parameter

top Exit to top level and optionally run command

validate Validate current configuration

—
vpn-gateway

system_admin@pcc-bubble1b(config)#

This list should contain the entry "health-check"

Comment by [Fredrik Gustavsson](#) [2024-08-21]

Feedback from originator:

Expectation is , Health check Script in Network functions like PCX, through which we able to check HC of Network function.

Thanks

Ashok Gumpu

Comment by [Fredrik Gustavsson](#) [2024-08-20]

Closing issue after no user feedback

Comment by [Fredrik Gustavsson](#) [2024-06-17]

Hi Ashok,

I couldn't find Akshaya as a user, so I assigned to you instead. Please let me know if someone else can answer my questions.

Thanks

Fredrik

Comment by [Fredrik Gustavsson](#) [2024-06-17]

Hi Akshaya,

Can you please describe at what point you saw the first unexpected result?

Can you successfully create a health check job (https://cpistore.internal.ericsson.com/elex?LI=EN/LZN7040261R31D&FB=0_2_400&FN=21_1553-AXM90107-V5UenJ.html&DT=Health+Check)?

Thanks

Fredrik

[UCC_PLM-42] Invalid HW BOM material	
Created:	2024-05-27
Updated:	2025-04-24
Resolved:	2025-04-24
Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks		
	is blocked by	UCCPOCDEV-325	PLM: Incorrect HW BOM
	Derive		Done
	Derived from	UCCSUPPORT-31	Some material in the UCC HW BOM is ei...
Detected in phase:	Production		Closed
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Some material in the HW BOM is either unavailable or deprecated.
<ul style="list-style-type: none"> "opto-cable" is no longer used RPM 777 054/01000 and RDH 102 50/11 are deprecated RPM777811 is only relevant for G1/G2 basebands (BB5216, BB6630), and only for Elastic RAN (E5) connections in the highly specialize Xcede ports. Any newer baseband uses standard optics in a standard pluggable ports, and the Xcede ports are not used on G3 (BB6648) or newer (RP6631, RP6651, RP6672, for example) basebands. Further, it would only be used in multi-baseband configurations. RDH10250/11 is an optic that we've been told by our vendor they don't produce anymore. The replacement is RDH10265/1 and this is what should be used for 10GBASE-SR applications. RPM777054 is a current valid cable.
Comment from Kevin Boyle <kevin.boyle@ericsson.com>:
<i>Finally, some examination should be made into moving to R6676. R6675 is getting a little long in the tooth, and Router 6676 is the replacement for the same applications. R6676 is 20x25 + 4x100 – meaning that we now have native ability to connect 25G server connections in the router, rather than being reliant on breakout cables. This gives you more flexibility in the configurations.</i>
<i>One last thing, I noticed some pretty long cable lengths – 3M ethernet cables, 15M optical cables... If the servers are getting put in a rack next to the R6675 there is no need for such long cables. Trying to find places to stow the slack will become problematic.</i>
<i>I am happy to walk through a cleaned-up R6675 configuration and building an R6676 configuration with you to help keep costs down and maintain the modularity of the UCC. Just let me know when you would want to go through that.</i>

Comments

Comment by Åsa Preuss [2025-04-24]
Shouldn't this ticket be labeled with Document?
We need it to make statistics.
BR Åsa
Comment by Fredrik Gustavsson [2024-09-04]
The LLD "Hardware BOM" and "UCC Cabling" sheets have been updated for UCC 1.0
Comment by Fredrik Gustavsson [2024-08-29]
After verification, it has been found that the BOM still contains obsolete information. We will reopen this ticket.
Comment by Fredrik Gustavsson [2024-08-12]
The BOM has been verified for UCC 1.0

[UCC_PLM-41] MANA BAH:17//CCXX 5GMM cause: N1 mode not allowed (27) Created: 2024-05-10 Updated: 2025-04-29 Resolved: 2025-04-29			
Status:	Done		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Bug	Priority:	Medium
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Meryam Nachi
Resolution:	Closed	Votes:	0
Labels:	BAH		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Issue Links:	Association Associates with UCC_PRODIV-554 PLM: MANA BAH:16//PCX CNAT tool add a... Cancelled Associates with UCC_PLM-40 MANA BAH:16//PCX CNAT tool add additi... Rejected Is Associated with UCC_PLM-118 Unexpected roaming due to truncated MNC Done Blocks is blocked by UCC_PRODIV-552 PLM: MANA BAH:17//CCXX 5GMM cause: N1... Done
Sprint:	UCC XFT2 Sprint 2, UCC XFT2 Sprint 3
Team/s:	UCC_XFT2
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello,

Site-global-ccd.yaml file has plmn information , However CCXS fqdn is formed by domain_3gpp_5gc parameter. If SUPI is used with additional "0" e.g. 315010xxxxxxxx then and returns authentication failure.

```
mnc: '10'  
mcc: '315'
```

See CCXS FQDN formation logic:

```
bahucc01b@sfs:~/ucc-workdir/config/templates/ccsm$ grep -e fqdn *.jinja2  
ausf_conf.xml.jinja2:      <fqdn>{{ ccsm.ausf.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
ausf_conf.xml.jinja2:      <fqdn>{{ ccsm.ausf.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
hss-config-mls.xml.jinja2:          <fqdn>{{ ccsm.hss.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
hss-config-mls.xml.jinja2:          <fqdn>{{ ccsm.hss.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
hss-config-mls.xml.jinja2:          <fqdn>{{ ccsm.hss.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
hss-remote-nf-profile.xml.jinja2:          <fqdn>{{ ccsm.udm.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
nrf-agent-mls.xml.jinja2:          <fqdn>{{ nrf.0.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
nrf-agent-mls.xml.jinja2:          <fqdn>{{ nrf.0.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
nrf-agent-mls.xml.jinja2:          <fqdn>{{ nrf.0.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
nrf-agent-mls.xml.jinja2:          <fqdn>{{ ccsm.udm.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
udm_conf_common_0-mls.xml.jinja2:          <fqdn>{{ ccsm.udm.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
udm_remote_nf_profile.xml.jinja2:          <fqdn>{{ ccsm.hss.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
udm_remote_nf_profile.xml.jinja2:          <fqdn>{{ ccsm.hss.host }}.{{ DOMAIN_3GPP_5GC }}</fqdn>  
values.yaml.jinja2:    fqdn: {{ cnom.fqdn }}
```

See error received in CCSM Pod during authentication if PLMN and SUPI range does not be aligned.

```
{"version":"0.3.0","timestamp":"2024-05-03T20:01:30.640Z","severity":"error","metadata":{"function":"AUSF"},"service_id":"eric-ausf-nausf-auth","message":"Auth vec response error. ,podip:192.168.53.165, stackinfo:/go/src/gerrit.ericsson.se/HSS/CCSM/AUSF/engine/pkg/udmagent/udmagent.go:181","resp_code":"403"} {"version":"0.3.0","timestamp":"2024-05-03T20:01:30.640Z","severity":"error","metadata":{"function":"AUSF"},"service_id":"eric-ausf-nausf-auth","message":"Process AIR request failed, error : AUTHENTICATION_REJECTED ,podip:192.168.53.165, stackinfo:/go/src/gerrit.ericsson.se/HSS/CCSM/AUSF/engine/app/router.go:179","resp_code":"403"} eccd@ccd-bahucc01b:~>
```

Issue Fix: Use supi according to PLMN range ie 31510xxxxxxxxx to provision UE via EDA2 in UDR.

Suggestion: As we see different logic of CNAT to form configuration for PCX and CCXX. It is right time we align common logic so all configurations are form correctly to avoid post deployment of UCC.

Comments

Comment by [Jim Dumont](#) [2025-04-28]

[Rajan Rajeshprasad Gupta](#) - can this be closed/done? Just cleaning up some old bugs. Thanks!

Comment by [Rajan Rajeshprasad Gupta](#) [2025-03-25]

Thank you !

Comment by [Meryam Nachi](#) [2025-03-25]

hi Rajan, this is the same issue as this ticket: [UCC_PLM-197](#) MANA: cnat is clipping the leading zero forcing a 6 digit PLMN to 5 digit PLMN - eTeamProject Alpha.

The Solution is implemented and it will be part of LFD2.

Comment by [Fredrik Gustavsson](#) [2024-11-05]

There are a few issues related to MNC length right now. To handle this correctly, we must start by preserving the MNC configured without alteration. An MNC 010 is a different MNC than 10.

There is a related ticket on SMF where they are not handling this correctly for some three-digit MNCs. We have a workaround for UCC by configuring UDM to allow roaming for an MNC consisting of the first two digits of the three-digit MNC.

The I&V team has investigated this issue and concluded that some config updates are needed:

I checked all the templates in ucc configuration and the following files are striping the leading 0 from the MNC parameter and need to be updated to use the complete MNC, ex. 010:

```
./config/templates/ccsm/ausf_conf.xml.jinja2
./config/templates/ccsm/hss-config-mlts.xml.jinja2
./config/templates/ccsm/hssepc-config.xml.jinja2
./config/templates/ccsm/udm_conf_common_0-mlts.xml.jinja2
./config/templates/ccdm/udr-config-geored.xml.jinja2
./config/templates/ccdm/udr-config.xml.jinja2
./config/templates/ccrc/nrf-config-geored.xml.jinja2
```

I believe that below files also can use the MNC without removing the leading 0, but needs to be tested to be sure:

```
./config/templates/pcx/day1-ccpc/ccpc-nf-profile.xml.jinja2
./config/templates/pcx/pc-cre-config.txt.jinja2
./config/templates/pcx/pc-mm-config.txt.jinja2
./config/templates/pcx/pc-sm-config.txt.jinja2
```

Below files are setting mnc_short variable, but they never use it, so it can be also removed:

```
./config/templates/pcx/values-ccpc.yaml.jinja2
./config/templates/pcx/values-pcc.yaml.jinja2
./config/templates/pcx/values-pcg.yaml.jinja2
```

[UCC_PLM-40] [MANA BAH:16//PCX CNAT tool add additional zero in mnc](#) Created: 2024-05-10 Updated: 2025-02-13 Resolved: 2024-11-05

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:			
Issue Links:	Association Is Associated with UCC_PLM-41 MANA BAH:17//CCXX 5GMM cause: N1 mode... Done Is Associated with UCC_PLM-118 Unexpected roaming due to truncated MNC Done Blocks is blocked by UCC_PRODIV-554 PLM: MANA BAH:16//PCX CNAT tool add a... Cancelled		
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello,

Site-global-cccd.yaml file has plmn information see below. However, when PCX jinja2 files are created, it is adding additional zero. This force not possible to configure 3 digit mnc e.g. MNC=010.

```
mnc: '10'  
mcc: '315'
```

```
So 6 dibahucc01b@sfs:~/ucc-workdir/config/templates/pcx$ grep -e mnc0 *jinja2  
pc-mm-config.txt:jinja2:mm dns 5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org.  
pc-mm-config.txt:jinja2: gw-sel-apn-oi-name mnc0{{mnc}}.mcc{{mcc}}.gprs  
pc-mm-config.txt:jinja2: default-apn-operator-id mnc0{{mnc}}.mcc{{mcc}}.gprs  
pc-mm-config.txt:jinja2: fqdn {{nrf.0.host}}.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-mm-config.txt:jinja2: fqdn {{nrf.1.host}}.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-mm-config.txt:jinja2: fqdn {{nrf.1.host}}.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-mm-config.txt:jinja2: fqdn {{nrf.0.host}}.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-mm-config.txt:jinja2: default-dnn-operator-id mnc0{{mnc}}.mcc{{mcc}}.gprs  
pc-sm-config.txt:jinja2:epg pgw dns supervision-record-name 5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2:epg pgw sbi udm notification fqdn {{ pcc1.pcsdm.nodeld }}.smf-notification.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2:epg pgw sbi amf notification fqdn {{ pcc1.pcsdm.nodeld }}.smf-notification.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2:epg pgw sbi nrf notification fqdn {{ pcc1.pcsdm.nodeld }}.smf-notification.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2: fqdn {{nrf.0.host}}.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2: fqdn {{nrf.0.host}}.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2: fqdn {{nrf.1.host}}.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2: fqdn {{nrf.1.host}}.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2:epg pgw sbi smf-services fqdn {{ pcc1.pcsdm.nodeld }}.smf.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2:epg pgw sbi fqdn {{ pcc1.pcsdm.nodeld }}.smf.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org  
pc-sm-config.txt:jinja2: fqdn {{ pcc1.pcsdm.nodeld }}.smf.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org
```

Impact: It is not possible to configure 3 digit MNC in UCC via CNAT tool.

Issue Fix: Manually update jinja2 files of PCX.

Suggestion: CNAT scripts should have logic to add 2 or 3 digit MNC.

Comments

Comment by Fredrik Gustavsson [2024-11-05]

Based on the previous comment, this issue is no longer valid.

See associated tickets for tracking of related issues.

This ticket will be closed

Comment by [Fredrik Gustavsson](#) [2024-10-15]

The tool has to preserve the MNC configured. Both 2-digit and 3-digit MNCs must be supported.
Also, leading zeroes are significant and the MNC 10 is a different MNC than 010.

Comment by [Fredrik Gustavsson](#) [2024-08-12]

A jinjaz way to strip the provided mnc/mcc string from leading zeroes and then zero-pad them to three char sized strings could be:

```
-  
{%- set mnc_short = mnc_input.lstrip('0') %}  
  
-  
  
-  
{%- set mnc = '{:0>3}'  
.format(mnc)}  
  
-  
  
-  
{%- set mcc_short = mcc_input.lstrip('0') %}  
  
-  
  
-  
{%- set mcc = '{:0>3}'  
.format(mcc)}  

```

[UCC_PLM-39] MANA BAH:13//unable to see AMF discovery message as mTLS "ON" Created: 2024-05-10 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:			
Issue Links:	Blocks is blocked by UCCSOLDES-305 PLM: Procedure to troubleshoot mTLS e... is blocked by UCCPOCDEV-376 PLM: MANA BAH:13//unable to see AMF d... Rejected Done		
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello,

UCC has mTLS on for all SBI interfaces which makes if Authentication is failed, We cant see Uetrace on AMF as it need SUCI to be decrypted to get signaling SBI traffic on PCAP.

There is no easy way to disable or enable mTLS in single CLI.

This makes troubleshooting lengthy ,time consuming, difficult to conclude root-cause.

Temporary to troubleshoot:

mTLS is off in AMF by below CLIs

```

+++++without mTLS(To make mTLS off)+++++
mm ip-service SBI-Client
ip-network ip-network-name SIG
no node-credential node-credential-id CLIENT
no trust-category trust-category-id CA
ip-service-address 10.136.160.217
!
mm ip-service SBI-Server
ip-network ip-network-name SIG
no node-credential node-credential-id SERVER
no trust-category trust-category-id CA
ip-service-address 10.136.160.217

mm nrf-service-instance nnrf_nfdiscovery_1
nrf-service-name nnrf_nfdiscovery
service-role primary
fqdn nrf-ccrc-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org
scheme http
fqdn-port-number 80
nrf-nf-instance-id no_value
!
mm nrf-service-instance nnrf_nfmanagement_1
nrf-service-name nnrf_nfmanagement
service-role primary
fqdn nrf-ccrc-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org
scheme http
fqdn-port-number 80
nrf-nf-instance-id no_value

```

After troubleshooting mTLS is on:

```

++++With mTLS(To make mTLS on)+++++
mm nrf-service-instance nnrf_nfdiscovery_1
nrf-service-name nnrf_nfdiscovery
service-role primary
fqdn nrf-ccrc-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org
scheme https
fqdn-port-number 443
nrf-nf-instance-id no_value
!
mm nrf-service-instance nnrf_nfmanagement_1
nrf-service-name nnrf_nfmanagement
service-role primary
fqdn nrf-ccrc-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org
scheme https
fqdn-port-number 443
nrf-nf-instance-id no_value

mm ip-service SBI-Client
ip-network ip-network-name SIG
node-credential node-credential-id CLIENT
trust-category trust-category-id CA
ip-service-address 10.136.160.217
!
mm ip-service SBI-Server
ip-network ip-network-name SIG
node-credential node-credential-id SERVER
trust-category trust-category-id CA
ip-service-address 10.136.160.217

```

This is not full-proof WA, as after we see discovery message. AMF has to contact AUSF, UDM, SMF on mTLS but it will fail as mTLS is disabled. So all UEs will be affected.

Suggestion:

To documents easy way to disable or enable mTLS in single CLI/Script for all NFs.

To do troubleshooting easily and quickly to meet delivery timelines for UCC.

Comments

Comment by [Reema Sidhwani](#) [2025-04-24]

New requirement. Needs to be brought in through OA and not PLM.

[UCC_PLM-38] MANA BAH:10//Eda deployment failed oam-eda2 FQDN Created: 2024-05-10 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Issue Links:	Blocks is blocked by UCCPOCDEV-375 PLM: MANA BAH:10//Eda deployment fail... Done
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

For Eda GUI access, FQDN need to be configured.

This FQDN should be configured in DNS.

However, We understood Eda generate httpproxy by hardcoded format as "." eg. oam.eda2

This is hardcoded and cant be changed.

See below;

For BAH, Customer wanted to align FQDN format. He choose "-" instead of "." and we could not make it working.

```
requests.exceptions.ConnectionError: HTTPSConnectionPool(host='oam-eda2-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org', port=443): Max retries exceeded with url: /am-rest/v1/onboard (Caused by NewConnectionError('<urllib3.connection.HTTPSConnection object at 0x7f73bb65bb80>: Failed to establish a new connection: [Errno -2] Name or service not known'))
```

What Eda tries to config

2024/05/02 15:03:54 DEBUG [urllib3.connectionpool_new_conn:1003]: Starting new HTTPS connection (1): oam-eda2-

bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org:443

2024/05/02 15:03:54 DEBUG [utils.misc.newfn:232]: Failed to run <function ProvisionClient.request at 0x7f2ca81090d0>: ('Connection aborted.', ConnectionResetError(104, 'Connection reset by peer')).

What Eda does automatically

NAME	FQDN	TLS SECRET	STATUS
eric-act-cna-notif-ingress	noti.eda2-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org	eric-act-cna-notif-secret	val
eric-act-cna-oam-ingress	oam.eda2-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org	eric-act-cna-oam-secret	val
eric-act-cna-proxy-ingress	proxy.eda2-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org	eric-act-cna-proxy-secret	val

Issue Fix: To correct FQDN Format in site.yaml and DNS entry

oam-eda2-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org (From) --> oam.eda2-bahucc01b.5gc.mnc010.mcc315.3gppnetwork.org (To)

Suggestion:

LLD and Installation guide should have information of hardcoded parameters

1. Parameters which cant be changed and
2. Parameters which can customer is allowed to changed

Or Short term way to include hardcoded parameters in CIQ or Installation guide.

This will help us to avoid engage in troubleshooting and meet UCC delivery timelines.

Comments

Comment by Fredrik Gustavsson [2024-08-12]

Clarified in UCC 1.0 documentation

[UCC_PLM-37] MANA BAH:8//CCDM remains in suspend mode in NRF <small>Created: 2024-05-10 Updated: 2025-06-16 Resolved: 2025-06-16</small>			
--	--	--	--

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Soner Mus
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:			
Issue Links:	Blocks is blocked by UCC_PRODIV-553 Duplicate duplicates UCCXFT-42 Parent Is a Child of UCCXFT-13	PLM: MANA BAH:8//CCDM remains in susp... CNAT does not unlock CCDM administrat... Task to Follow Coming From the Previo...	Done Rejected Cancelled
Team/s:	UCC_XFT3		
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello, CNAT tool deploy NF and inject configuration after deployment. Seems, CNAT tool does not unlock CCDM which cause CCDM to remain in suspended mode. See alarms post deployment: <pre>ccdmoam@bahucc01b-ccdm#show alarm Thu May 2 13:49:08.555 UTC-04:00 adminStateLocked active-severity Warning service-name eric-udr-system-monitor event-type Other expires 20217 source /udre:udr/administrative-state specific-problem UDR eric-udr-system-monitor Instance administratively locked probable-cause 1024 major-type 193 minor-type 7733279 last-event-time 2024-05-02T13:26:04.868699 EDT additional-text UDR eric-udr-system-monitor Instance administratively locked</pre>

We already see, In Healthcheck section it is mention to unlock URR.

Issue Fix: unlock ccdm application though CLI

config; udr administrative-state unlocked;commit

Suggestion: We want to avoid doing configuration in Healthcheck. Healthcheck only for read-only verification. CNAT can automate post deployment unlock as well. So highly recommend to add step by CNAT post deployment config injection.

Comments

Comment by [Soner Mus](#) [2025-06-16]

Hello [Jim Dumont](#),

As stated by Alvaro this has to be done after the proper health-check as of now the automation around this step can't be done. I will reject the ticket under this circumstance in the pipeline but from the CNF perspective it requires health-check.

Thanks

Comment by [Jim Dumont](#) [2025-04-29]

[Soner Mus](#) sounds like a future improvement. If agreed, I can convert this to an 'improvement' story and add to Improvement Board - so at least we won't forget it there.

Agreed?

Comment by [Soner Mus](#) [2025-04-29]

Hello [Jim Dumont](#)

Please check the related ticket [UCCXFT-42](#) CNAT does not unlock CCDM administrative state after CCDM deployment - eTeamProject Alpha. Per UCC CNF expert, this has to now, there is no automated Health Check in the place. When the Automated Health Check is in place (at the time of writing CNAT supports, however it is not implemented in I based command, it is a matter to add steps after the health-check.

I am not so clear how to handle this type of Bug Tickets. Because this is not an issue, it is due to the product CPI is forcing to-do that after the Health Check, as of now it is r

 Sherif Farag F added a comment - 2025-03-25 13:13

feedback from Alvaro Martin

Hi,

I don't think it's a bug how it is now. In my opinion, the ticket should be rejected.

The way the procedure is described now in Installation Guide is how it is described in CCDM CPI. Before unlocking CCDM, it is recommended to do a healthcheck to ensure everything is OK, not ready yet, so for example CCSM selects it and maybe it is not healthy, impacting the service performance.

That's why the unlock must be done after healthcheck has passed.

We can automate this step when healthcheck is automated. Till then I think it should be done as it is now.

Everything is well explained in Installation Guide.

Regards/Álvaro

[Edit](#) · [Delete](#) · [Pin](#) · [@](#)

Thanks

Comment by [Jim Dumont](#) [2025-04-29]

[Soner Mus](#) - should this TR remain in the backlog? Sounds like it's still an issue even though getting a bit old...

Comment by [Zhigang Han](#) [2025-04-29]

Hi Jim,

From [UCCXFT-42](#), Isabel Cui said the issue was still there from UCC 1.1 drop2 release. Should we close the ticket or not? I had discussed with Rajan about this ticket. Rajan w

Thanks,

BR/Zhigang

Comment by [Rajan Rajeshprasad Gupta](#) [2025-04-29]

sure, lets close this.

Comment by [Jim Dumont](#) [2025-04-28]

Rajan Rajeshprasad Gupta - can this be closed/done? Related PRODIV ticket is done. Just cleaning up some old bugs. Thanks!

Comment by Reema Sidhwani [2024-11-05]

Please check the comment in the associated PRODIV ticket for CNAT update

[UCC_PLM-36] MANA BAH:6//CCDM installation failed for nels FQDN Created: 2024-05-10 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:			
Issue Links:	Blocks is blocked by UCCPOCDEV-377	PLM: MANA BAH:6//CCDM installation fa...	Done
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello,

During BAH POC, We understand that.

Nels FQDN is not used as we are also using IP address.

So if both FQDN and IP is used, node will always give priority to IP address. However, Configuration requires FQDN for completeness.

UCC LLD has Nels FQDN format: "nels.5gc.mnc099.mcc244.3gppnetwork.org".

This is not correct.

See error we received:

```
2024/05/02 12:43:56 ERROR: Failed to install helm: Failed to run Helm command: Error: INSTALLATION FAILED: execution error at (eric-ccdm/charts/eric-adp/charts/eric-lm-combined-server/templates/lsc_deployment.yaml:308:24): Invalid Hostname: nels.5gc.mnc010.mcc315.3gppnetwork.org. Exit!
```

NeLS Node Credential certificate subject Name is improper, as per CPI It must be "nels.ericsson.com".

Reasoning is understood as Nels is internal to E///. It need to generate CSR certificate and that need to be signed by E/// Nels team, for Nels team they can only sign CSR in nels.ericsson.com.

Issue Fix: Changed FQDN is nels format ie. xx.ericsson.com in configuration file.

Suggestion: To correct nels fqdn format in LLD and configurations.

Comments

Comment by Fredrik Gustavsson [2024-08-12]

Resolved as of UCC 1.0

[UCC_PLM-34] Differences between full DMC and UCC on feature/pod level			
Created: 2024-05-07 Updated: 2025-04-28 Resolved: 2025-04-28			
Status:	Cancelled		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Epic	Priority:	Low
Reporter:	Ahmed Elkhouly	Assignee:	Unassigned
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED
Epic Name:	Differences between full DMC and UCC on feature/pod level

Description

For UCC to have the smallest footprint possible, some features – or only on pod level - could be removed. We have multiple requests from MELA and MANA regions to illustrate the differences between full DMC and UCC. The same could be applicable for CCD level – if any.

[UCC_PLM-33] drop 0.2.1 Installation Instruction chapter 11.8 HSS validator needs to be rewritten			
Created: 2024-05-04 Updated: 2025-04-24 Resolved: 2025-04-24			
Status:	Done		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	UCC Appliance 0.2.1, UCC Appliance 0.2.2		
Fix Version/s:	None		

Type:	Bug	Priority:	Medium
Reporter:	Jossy Pallan	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:				
Defect code_qmt:	3- Usability			
Detected in phase:	Staging			
Severity_qmt:	4-Low/Cosmetic			
Found in Build:	UCC Appliance 0.2.1			
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED			

Description

https://eteamproject.internal.ericsson.com/projects/UCCSUPPORT/issue/UCCSUPPORT-25
Clearly this part written by another author who did not follow rest of the document format
some examples:

- CA package (downloaded from the SW Gateway): EDA2_SDK_CA-

Section 11.2 from the Drop-0.2.1 installation guide (PA4) can be referred for the same steps but still a Ticket has been created to UCC PLM based on your feedback.

Regards

Rishi Shekhar

[UCC_PLM-32] Updated LLD with Router assumptions needed Created: 2024-05-02 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Jossy Pallan	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Severity_qmt:	4-Low/Cosmetic
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Please could an updated LLD be published detailing the expected Router connections interfaces to external nodes in a typical customer environment. Can the customer connect all other external nodes directly into our UCC router etc if so which cable/port should be used...

1. In LLD 1/22 is mentioned as Uplink, whereas 1/28 is Uplink (100Gig) Port.
2. Not mentioned anywhere about 1/28 100 Gig which will be used Uplink
3. Need to Mention about requirement of **customer router** which can be connected to Port 1/28 (100 gig)

Thanks

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-27]

This ticket was transferred from task to bug in order to process it by the PLM team.

Port 1/28 is not to be used for uplink for UCC.

In 0.2.1, you may use 1/22 (1Gbps) or 1/20 (10Gbps)

In 1.0, you may use 1/21 and 1/22 (1Gbps), or 1/23 and 1/24 (10Gbps)

[UCC_PLM-31] Apache config instruction incorrect Created: 2024-04-29 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Ashok Gumpu	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		

Time Spent:	Not Specified
Original Estimate:	Not Specified
Attachments:	
Issue Links:	Derive Derived to UCCPOCDEV-300 PLM: Installation Guide - Clarify var... Done
Sprint:	UCC Sprint 6
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello All ,

Software Installation Guide requires update for the following items.

1. In steps 13 -install apache2 server

Along with update of **000-default.conf** file, **apache2.conf** file should also get updated, as shown in below example.

```
<Directory /data/ucc/software/CCD>
  Options Indexes FollowSymLinks
  AllowOverride None
  Require all granted
</Directory>
```

2. As part of Infra Verification, If we can add step verifying, all Storage devices and other cabling has been installed or not as part of check list

observed issue: In Telefonica Spain, we observed the HDD disk has not been Installed in Servers. We came across during to ECCD installation. As CCD installation is getting failed, as Storage device (HDD) not found.

Snap from Telefonica (In Below Snap, 3.2 TB Storage device is missing)

Storage Information ↴

- › **Embedded SATA Controller #1**
- › **Embedded SATA Controller #3**
- › **HPE NS204i-u Gen11 Boot Controller**

Snap from Working environment.

Storage Information ↴

- › **Embedded SATA Controller #1**
- › **Embedded SATA Controller #3**
- › **MO003200KYDNC**
- › **MO003200KYDNC**
- › **HPE NS204i-u Gen11 Boot Controller**

Above mentioned steps are missing in Solution installation guide, if we can add the same, that would be great.

Thanks

Ashok Gumpu

Comments

Comment by Åsa Preuss [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

Can the ticket be closed?

BR Åsa

Comment by Fredrik Gustavsson [2024-05-03]

I raised an improvement suggestion with design to clarify the paths.

However, all pathnames are suggestions and may differ at each new installation.

Comment by Fredrik Gustavsson [2024-05-03]

Ashok Gumpu, please raise another ticket for the CCD installation error and storage configuration

Comment by Ashok Gumpu [2024-04-29]

Hello

Updated description with Snaps on Storage on HP Servers

Thanks

Ashok Gumpu

Comment by Fredrik Gustavsson [2024-04-29]

For the HDD issue, this is clearly stated in the installation guide as one of the prerequisites for the jump server: "The jump host machine needs to meet the following minimum resource requirements: 8 GB RAM, 2 vCPUs, 150 GB disk space. To have a more stable environment, it is recommended to have these resources on the jump host machine: 16 GB RAM, 4 vCPUs, 200 GB disk space."

Comment by Fredrik Gustavsson [2024-04-29]

Hi, yes, the installation guide gives directions to install and configure the apache2 server.

In my opinion, this should only be a recommendation since any web server may be used and thus the configuration steps will differ.

It should however clearly state where the document root is located and advice to configure the web server for this location according to the relevant web server documentation.

I will forward this to design for their view.

[UCC_PLM-30] UCC MANA : PCC-SM wrong port(7070 instead of 443) in configuration template Created: 2024-04-25 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UCCPOCDEV-374	PLM: UCC MANA : PCC-SM wrong port(707...)	Done
Sprint:	UCC Sprint 8		
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello,

It is observed on drop2 artifact.

CXS1010198_1-R1B\ucc-config\config\templates\pcx\pc-sm-config.txt.jinja2

Port used for SMF service is 7070.

See below config:

```

epg pgw sbi smf-services service nsmf-pdusession
authorization allowed-nf [ AMF ]
fqdn {{ pcc1.pcsim.nodeld }}.smf.5gc.mnc0{{mnc}}.mcc{{mcc}}.3gppnetwork.org
port [ 7070 ]
!
epg pgw sbi nrf notification port 7070

```

However, as we know, we are using mTLS in UCC. we should have used 443 port(Just like we are using for rest of SBI services).

It is interesting to be noted that N1N2 message from SMF to AMF does work but it takes bit of the time.

1. Is this typo? or Intentionally configured.
2. If internationally configured, what is reasoning to kept port other than 443?

Clarification is need to avoid questions coming up during service delivery phase.

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-12]

Correct in UCC 1.0

[UCC_PLM-29] UCC MANA : PCC-SM unused service IPs in LLD design Created: 2024-04-25 Updated: 2024-09-03 Resolved: 2024-04-30

Status:	Duplicated
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Duplicate duplicates UCC_PLM-28	UCC MANA : PCC-SM unused service IPs ...	Done
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello,

It is more of the query + opportunity of optimization.

see below: SMF service IPs, we have used ips in LLD and configuration.

```
epg node logical-interface amf-notify-if
```

```
routing-instance sig_cn
```

```
address 172.16.5.97
```

```
vpn-gw false
```

```
!
```

```
epg node logical-interface amf-service-if
```

```
routing-instance sig_cn
```

```
address 172.16.5.98
```

```
vpn-gw false
```

```
!
```

```

epg node logical-interface chf-if
routing-instance sig_cn
address 10.10.10.10
!
epg node logical-interface chf-notify-if
routing-instance sig_cn
address 10.10.10.10
epg node logical-interface nrf-notify-if
routing-instance sig_cn
address 172.16.5.101
vpn-gw false
!
epg node logical-interface nrf-service-if
routing-instance sig_cn
address 172.16.5.98
vpn-gw false
!
epg node logical-interface pcf-notify-if
routing-instance sig_cn
address 172.16.5.102
vpn-gw false
!
epg node logical-interface pcf-service-if
routing-instance sig_cn
address 172.16.5.98
vpn-gw false

```

however, only 2 IPs are actually used ie. smf-notification, smf as these 2 IPs are part of DNS FQDN resolution for mTLS.

I understand this is configured on application as dummy configuration.

question; CUs and Teams are getting confused with configuration and requesting to remove configuration and release IP address as not used.

Can we optimize PCC-SM unused service IPs in LLD design?

Objective here to reduce confusion and keep optimize design for ucc.

[UCC_PLM-28] UCC MANA : PCC-SM unused service IPs in LLD design Created: 2024-04-25 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UCCPOEDEV-373 Duplicate is duplicated by UCC_PLM-29	PLM: UCC MANA : PCC-SM unused service... UCC MANA : PCC-SM unused service IPs ...	Resolved Duplicated
Sprint:	UCC Sprint 8		
Severity_qmt:	3- Medium		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		

Description

Hello,

It is more of the query + opportunity of optimization.

see below: SMF service IPs, we have used ips in LLD and configuration.

```
epg node logical-interface amf-notify-if
  routing-instance sig_cn
  address      172.16.5.97
  vpn-gw       false
!
epg node logical-interface amf-service-if
  routing-instance sig_cn
  address      172.16.5.98
  vpn-gw       false
!
epg node logical-interface chf-if
  routing-instance sig_cn
  address      10.10.10.10
!
epg node logical-interface chf-notify-if
  routing-instance sig_cn
  address      10.10.10.10
!
epg node logical-interface nrf-notify-if
  routing-instance sig_cn
  address      172.16.5.101
  vpn-gw       false
!
epg node logical-interface nrf-service-if
  routing-instance sig_cn
  address      172.16.5.98
  vpn-gw       false
!
epg node logical-interface pcf-notify-if
  routing-instance sig_cn
  address      172.16.5.102
  vpn-gw       false
!
epg node logical-interface pcf-service-if
  routing-instance sig_cn
  address      172.16.5.98
  vpn-gw       false
```

however, only 2 IPs are actually used ie. smf-notification, smf as this 2 IPs are part of DNS FQDN resolution for mTLS.

I understand this is configured on application as dummy configuration.

question; CUs and Teams are getting confused with configuration and requesting to remove configuration and release IP address as not used.

Can we optimized PCC-SM unused service IPs in LLD design?

Objective here to reduce confusion and keep optimize design for ucc.

Comments

Comment by [Rajan Rajeshprasad Gupta](#) [2025-04-24]

Hello Asa, yes, I will close ticket which are already delivered for raised issue.

Comment by [Åsa Preuss](#) [2025-04-24]

Can this ticket be closed? / Åsa

Comment by [Fredrik Gustavsson](#) [2024-08-12]

Corrected in UCC 1.0

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	High
Reporter:	Rajan Rajeshprasad Gupta	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Issue Links:	Blocks is blocked by UCCPOCDEV-368 PLM: UCC MANA : PCC-MM UE trace never... Done
Sprint:	UCC Sprint 8
Severity_qmt:	2- High
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello,

We started UE trace from Standalone CNOM for PCC-MM and PCC-SM.

PCC-SM UEtrace started and working fine.

PCC-MM UEtrace can not be started from CNOM.

It says "Node Error: Start UE trace operation failed".

PFA1.

Further analysis, as we are using yang cli for pcc-mm. CNOM CPI says, we need to enable yang cli for pcc-mm by login via ssh to cnom.

PFA2.

Question:

1. Do you agree that we need to apply yang change in CNOM?
2. If yes, How do we login via ssh to CNOM? I see we only allowed port 80 and 443 for CNOM service and not port 22.

See below:

```
eccd@ccds-ucc1b:~> kubectl get svc -A | grep -i 10.99.53.109
cnom      eric-tm-ingress-controller-cr      LoadBalancer  10.99.152.135  10.99.53.109  80/TCP,443/TCP
```

Please share your views and suggestion to fix problem.

UE Trace +

om-nom-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org/nom/v1/#tracing

Core Network Operations Manager

Core Network Operations Manager / UE Trace

UE Trace

Start New Download Stop Save Delete

UE Trace UE Trace(Saved) Event Trace UE Status

UE Trace Sessions

Description	Status	Started	Stopped	User ID	PCAP Files Count(New)
UE11	Stopped	2024-04-22 ...	2024-04-25 ...	310140000...	0

Scheduled(0) Started(0) Stopped(1)

Details

2024-04-22 12:17:22 (UE11)

Description	UE11
Started	2024-04-22 12:17:22
Stopped	2024-04-25 09:42:03
Trace Session Reference	31014000011
User ID	310140000000011
User ID Type	imsi
Started By	sec_admin
PCAP Files Count(New)	0

Status	Reason	Node Type	Node Name	CPI/UP	APN	Snap Length
Stopped	-	PCC-SM	SMF	CP	-	-
Stop E...	No f...	PCC-MM	AMF	CP	-	-

Node Error: Stop UE Trace operation failed.



7.1

PCC-MM

7.1.1

OAM IP Addresses



The PCC-MM requires two separate OAM IP addresses. One IP address is used for SFTP, and one IP address is used for CLI.

When creating the node, the entered IP address for **SFTP IP** should be the IP address to access SFTP Server (eric-data-sftp-server-external).

When creating the node, the entered IP address for **Node IP** should be the IP address to reach legacy CLI (GSH based) or the IP address to reach the CM YANG Provider CLI.

The usage of the CM YANG Provider CLI must be enabled per PCC-MM node in CNOM. The functionality must also be enabled on the PCC-MM node. For more information, see [Packet Core Controller CPI library](#).

Steps

1. Log in to the CNOM server as the cnom Linux user.
2. Add the CNOM_CM_YP_CLI_PCC_MM parameter to the configuration file on the CNOM under the path /var/opt/ericsson/cnom/etc/option.env. Create the file if it does not exist.

Example

CNOM_CM_YP_CLI_PCC_MM=pcc-mm-1,pcc-mm-2

Note: The CNOM_CM_YP_CLI_PCC_MM parameter should be configured with the list of the PCC-MM nodes, which has the CM YANG Provider CLI enabled. The node names must be the same as configured in the CNOM GUI.

The user can set the parameter to all, for example,

CNOM_CM_YP_CLI_PCC_MM=all

3. Restart the CNOM.

```
$ cnomctl stop
```

```
$ cnomctl start
```

Start UE Trace

Core Network Operations Manager / UE Trace / Start UE Trace

Start UE Trace

Nodes	UE Trace Session	UE Trace Session Status																				
<ul style="list-style-type: none"> > SGSN-MME (0/0) > EPG (0/0) > SAPC (0/0) PCC-MM (1/1) <input checked="" type="checkbox"/> AMF(NL) PCC-SM (1/1) <input checked="" type="checkbox"/> SMF > PCG (0/1) > SBG (0/0) > MTAS (0/0) > CSCF (0/0) > Multiple Network Services (0/6) 	<table border="1"> <tr><td>IMSI</td><td>310140000000011</td><td>Scheduled</td><td>0</td></tr> <tr><td>Description</td><td>UE11</td><td>Started</td><td>0</td></tr> <tr><td>Trace Reference</td><td>310</td><td>Stopped</td><td>0</td></tr> <tr><td></td><td>14</td><td></td><td></td></tr> <tr><td></td><td>000011</td><td>Remaining</td><td>256</td></tr> </table>	IMSI	310140000000011	Scheduled	0	Description	UE11	Started	0	Trace Reference	310	Stopped	0		14				000011	Remaining	256	
IMSI	310140000000011	Scheduled	0																			
Description	UE11	Started	0																			
Trace Reference	310	Stopped	0																			
	14																					
	000011	Remaining	256																			

Capture Options

MME

Include eNodeB No

eNodeB Interfaces s1 x2 uu

OSS Log Server

Scheduling

Scheduling No

Start Time

Stop Time

Comments

Comment by Fredrik Gustavsson [2024-08-12]

Fixed in CNOM version used for UCC 1.0.

[UCC_PLM-26] Release Updated LCM Plan (target for 1.0 GA) and update in EriDoc Created: 2024-04-25 Updated: 2024-09-03 Resolved: 2024-04-25

Status:	Closed
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Low
Reporter:	Daniel Smith C	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	0h		

Time Spent:	Not Specified
Original Estimate:	20h
Sprint:	UCC Sprint 5
Target start:	2024-04-17
Target end:	2024-04-23
Acceptance Criteria:	<p>DoD: The Document is linked here in ticket and marked for approval in EriDoc by SPM.</p> <p>LINK TO LCM IN ERIDOC : https://erilink.ericsson.se/eridoc/erl/objectId/09004cffd0025619?docno=1/1201-FCP1333198/1Uen&action=current&format=pdf</p>

Description

TASK: Generate the UCC LCM Lifecycle plan update required for GA.

DoD: Update the Document in EriDoc, send around for approval and release with 1.0 (or sooner if available).

[UCC_PLM-25] Provide the Required GPR Servicability Card for Support

Created: 2024-04-23 Updated: 2024-08-13 Resolved: 2024-08-13

Status:	Cancelled
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Objective	Priority:	Medium
Reporter:	Daniel Smith C	Assignee:	Didem Pariltay
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	 MicrosoftTeams-image(16).png
---------------------	--

Description

We need to provide the following information to [Frances Wei](#) as part of the UCC Support documentation build up as outlined in the attached in the ticket.

Comments

Comment by [Daniel Smith C](#) [2024-04-23]

Please have a look and let me know what you think?

Something we have / can point to and link in the doc?

D

[UCC_PLM-24] Difference in product Number in Deployment guide and Tef Target Group

Created: 2024-04-23 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Ashok Gumpu	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	
Issue Links:	Blocks is blocked by UCCPOCDEV-299 PLM: Installation Guide - Product Num... Done
Sprint:	UCC Sprint 8
Severity_qmt:	2- High
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello All,

Its been identified, Product number is different in Drop2 Solution Deployment guide as solution in Below Snap for EDA2 and CCRC

Node	AS per Deployment Guide	in SW Gateway
CCRC 1.14	CSH109708/1-161	CXS 101 7716
EDA2	CSH 109 706/1	CXP 905 0675/1

Are these are tested SW Deliveries ?

Note Ticket Number used are

CCRC 1.14	CSH109708/1- 161	R1A	T- 152358	Ericsson.CCRC.CXP9037716_1_14_4_1.csar
EDA2 2.16	CSH 109 706/1	R17A/1	T- 152239	eric-act-cna-1.57.127.csar

Thanks

Ashok Gumpu

Comments

Comment by [Åsa Preuss](#) [2025-04-24]

Can we close this ticket? / Åsa

Comment by [Fredrik Gustavsson](#) [2024-06-17]

This was removed in UCC 0.2.2. Marking this ticket as resolved.

Comment by [Fredrik Gustavsson](#) [2024-04-30]

Please use the SWGW ticket to find the supported SW package. For verification, you may double-check by using the CNF name. E.g. "CCSM 1.12 EP1"

[Vibhor Jain](#), please address the product number discrepancy for the next release or remove that column.

[UCC_PLM-23] AMF SBI Networking			
Created: 2024-04-22	Updated: 2024-09-24	Resolved: 2024-09-24	

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Ashok Gumpu	Assignee:	Ashok Gumpu
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Severity_qmt:	4-Low/Cosmetic
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello All,
In Target Solution Default Network used for AMF SBI is primary networking.
Here is UCC we found; we are suing Secondary Networking.
Do we have any plan to use Primary networking for AMF SBI ?
Thanks
Ashok Gumpu

Comments

Comment by Reema Sidhwani [2024-09-24]
Please test with 1.0 and open a new TR if the issue is still present
Comment by Fredrik Gustavsson [2024-08-13]
Ashok Gumpu, can you please verify this in UCC 1.0 when you have the possibility and get back to us if this is still an issue?

[UCC_PLM-22] PDU Session Establishment issue			
Created: 2024-04-22	Updated: 2025-04-24	Resolved: 2025-04-24	
Status:	Done		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Bug	Priority:	Low
Reporter:	Ashok Gumpu	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Relates		
	relates to	UCC_PLM-19	Mana- PCX registration failure in UCC
Sprint:	UCC Sprint 8		Done

Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hello All ,

We were facing PDU Session Establishment issue.

After PFCP Establishment with UPF, SMF Performs AMF Discovery with NRF and Get FQDN.

SMF Could not Perform DNS query in given time frame (1000 ms- Defined in AMF as SMF Profile)

So, N1N2 message cannot be send and PFCP Deletion occurs and PDU Session gets Failed.

Resolution:

Updated Profile in AMF and increased timer value to 2000



Thanks

Ashok Gumpu

Comments

Comment by [Fredrik Gustavsson](#) [2024-06-17]

Closing this as DNS solution is changed for UCC 1.0.

[UCC_PLM-21] [fivegcCertInfo-all.yaml path has been changed in drop2](#) Created: 2024-04-22 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	0.2.1

Type:	Bug	Priority:	High
Reporter:	SANGIT KUMAR	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

fivegcCertInfo-all.yaml path has been changed in drop2 , we need to update in software installation guide as well
path is as per below

[CX51010198_1-R1B\UCC_Artifacts_-_Configuration_Files\ucc-config\config\ccdb\cert](#)

Comments

Comment by [Fredrik Gustavsson](#) [2024-04-29]

Released in UCC 0.2.1 version

Comment by [Kamal Ait Hammou](#) [2024-04-23]

Correct path to the file will be updated in the UCC-0.2.2 version

[UCC_PLM-20] Establish SWGW structure for UCC artifacts and dependencies	
Status:	Cancelled
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Epic	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

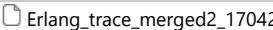
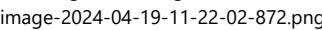
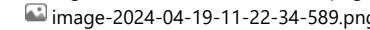
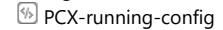
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED
Epic Name:	Establish SWGW structure for UCC artifacts and dependencies

Description

Investigate the possibility to manage all UCC artifacts and CNF tickets/artifacts, via a top-level UCC target that can be enabled via UCC license (when available). Also, investigate how to manage restricted CNF tickets, e.g. in the case of a withdrawn release when an emergency package is released. Do we, in UCC, as owners of the top-level ticket manage this restriction, or is that managed by the affected CNF.

[UCC_PLM-19] Mana- PCX registration failure in UCC	
Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Rishi Shekhar	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		
Environment:	Mana		

Attachments:	     
Issue Links:	
Association	
Is Associated with	UCCSUPPORT-20
Blocks	
is blocked by	UCCPOCDEV-366
Relates	
relates to	UCC_PLM-22

Sprint:	UCC Sprint 8
Detected in phase:	Staging
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

Hi Team,

We are doing 1st call testing in Mana-UCC engagement lab. UE registration is failed with congestion error in the setup.

UE testing logs from simulator:-

```
tester@ckit2infra:~/UERANSIM/build$ ./nr-ue -c ue-31014000000011.yaml
UERANSIM v3.2.6
[2024-04-17 10:04:42.696] [nas] [info] UE switches to state [MM-DEREGISTERED/PLMN-SEARCH]
[2024-04-17 10:04:42.697] [rrc] [debug] New signal detected for cell[1], total [1] cells in coverage
[2024-04-17 10:04:42.697] [nas] [info] Selected plmn[310/14]
[2024-04-17 10:04:42.697] [rrc] [info] Selected cell plmn[310/14] tac[32] category[SUITABLE]
[2024-04-17 10:04:42.697] [nas] [info] UE switches to state [MM-DEREGISTERED/PS]
[2024-04-17 10:04:42.697] [nas] [info] UE switches to state [MM-DEREGISTERED/NORMAL-SERVICE]
[2024-04-17 10:04:42.697] [nas] [debug] Initial registration required due to [MM-DEREG-NORMAL-SERVICE]
[2024-04-17 10:04:42.697] [nas] [debug] UAC access attempt is allowed for identity[0], category[MO_sig]
[2024-04-17 10:04:42.697] [nas] [debug] Sending Initial Registration
[2024-04-17 10:04:42.697] [nas] [info] UE switches to state [MM-REGISTER-INITIATED]
[2024-04-17 10:04:42.697] [rrc] [debug] Sending RRC Setup Request
[2024-04-17 10:04:42.697] [rrc] [info] RRC connection established
[2024-04-17 10:04:42.697] [rrc] [info] UE switches to state [RRC-CONNECTED]
[2024-04-17 10:04:42.697] [nas] [info] UE switches to state [CM-CONNECTED]
[2024-04-17 10:04:42.715] [rrc] [debug] RRC Release received
[2024-04-17 10:04:42.715] [nas] [error] Initial Registration failed [CONGESTION]
[2024-04-17 10:04:42.715] [nas] [debug] Handling Registration Reject abnormal case
[2024-04-17 10:04:42.715] [nas] [info] UE switches to state [MM-DEREGISTERED/ATTEMPTING-REGISTRATION]
[2024-04-17 10:04:42.715] [nas] [info] UE switches to state [CM-IDLE]
[2024-04-17 10:04:53.707] [nas] [debug] NAS timer[3511] expired [1]
[2024-04-17 10:04:53.707] [nas] [debug] Initial registration required due to [T3511-EXPIRY-IN-ATT-REG]
[2024-04-17 10:04:53.707] [nas] [debug] UAC access attempt is allowed for identity[0], category[MO_sig]
[2024-04-17 10:04:53.707] [nas] [debug] Sending Initial Registration
[2024-04-17 10:04:53.707] [nas] [info] UE switches to state [MM-REGISTER-INITIATED]
[2024-04-17 10:04:53.707] [rrc] [debug] Sending RRC Setup Request
[2024-04-17 10:04:53.707] [rrc] [info] RRC connection established
[2024-04-17 10:04:53.707] [rrc] [info] UE switches to state [RRC-CONNECTED]
[2024-04-17 10:04:53.707] [nas] [info] UE switches to state [CM-CONNECTED]
[2024-04-17 10:04:53.723] [rrc] [debug] RRC Release received
[2024-04-17 10:04:53.723] [nas] [error] Initial Registration failed [CONGESTION]
[2024-04-17 10:04:53.723] [nas] [debug] Handling Registration Reject abnormal case
[2024-04-17 10:04:53.723] [nas] [info] UE switches to state [MM-DEREGISTERED/ATTEMPTING-REGISTRATION]
[2024-04-17 10:04:53.723] [nas] [info] UE switches to state [CM-IDLE]
[2024-04-17 10:05:04.718] [nas] [debug] NAS timer[3511] expired [1]
[2024-04-17 10:05:04.718] [nas] [debug] Initial registration required due to [T3511-EXPIRY-IN-ATT-REG]
[2024-04-17 10:05:04.718] [nas] [debug] UAC access attempt is allowed for identity[0], category[MO_sig]
[2024-04-17 10:05:04.718] [nas] [debug] Sending Initial Registration
[2024-04-17 10:05:04.718] [nas] [info] UE switches to state [MM-REGISTER-INITIATED]
[2024-04-17 10:05:04.718] [rrc] [debug] Sending RRC Setup Request
[2024-04-17 10:05:04.718] [rrc] [info] RRC connection established
[2024-04-17 10:05:04.718] [rrc] [info] UE switches to state [RRC-CONNECTED]
[2024-04-17 10:05:04.718] [nas] [info] UE switches to state [CM-CONNECTED]
[2024-04-17 10:05:04.737] [rrc] [debug] RRC Release received
[2024-04-17 10:05:04.737] [nas] [error] Initial Registration failed [CONGESTION]
[2024-04-17 10:05:04.737] [nas] [debug] Handling Registration Reject abnormal case
[2024-04-17 10:05:04.737] [nas] [info] UE switches to state [MM-DEREGISTERED/ATTEMPTING-REGISTRATION]
[2024-04-17 10:05:04.737] [nas] [info] UE switches to state [CM-IDLE]
[2024-04-17 10:05:15.729] [nas] [debug] NAS timer[3511] expired [1]
[2024-04-17 10:05:15.729] [nas] [debug] Initial registration required due to [T3511-EXPIRY-IN-ATT-REG]
[2024-04-17 10:05:15.729] [nas] [debug] UAC access attempt is allowed for identity[0], category[MO_sig]
[2024-04-17 10:05:15.729] [nas] [debug] Sending Initial Registration
[2024-04-17 10:05:15.729] [nas] [info] UE switches to state [MM-REGISTER-INITIATED]
[2024-04-17 10:05:15.729] [rrc] [debug] Sending RRC Setup Request
[2024-04-17 10:05:15.729] [rrc] [info] RRC connection established
[2024-04-17 10:05:15.729] [rrc] [info] UE switches to state [RRC-CONNECTED]
[2024-04-17 10:05:15.729] [nas] [info] UE switches to state [CM-CONNECTED]
```

[2024-04-17 10:05:15.747] [rrc] [debug] RRC Release received
[2024-04-17 10:05:15.747] [nas] [error] Initial Registration failed [CONGESTION]
[2024-04-17 10:05:15.747] [nas] [debug] Handling Registration Reject abnormal case
[2024-04-17 10:05:15.747] [nas] [info] UE switches to state [MM-DEREGISTERED/ATTEMPTING-REGISTRATION]
[2024-04-17 10:05:15.747] [nas] [info] UE switches to state [CM-IDLE]
[2024-04-17 10:05:26.740] [nas] [debug] NAS timer[3511] expired [1]
[2024-04-17 10:05:26.740] [nas] [debug] Initial registration required due to [T3511-EXPIRY-IN-ATT-REG]
[2024-04-17 10:05:26.740] [nas] [debug] UAC access attempt is allowed for identity[0], category[MO_sig]
[2024-04-17 10:05:26.740] [nas] [debug] Sending Initial Registration
[2024-04-17 10:05:26.740] [nas] [info] UE switches to state [MM-REGISTER-INITIATED]
[2024-04-17 10:05:26.740] [rrc] [debug] Sending RRC Setup Request
[2024-04-17 10:05:26.740] [rrc] [info] RRC connection established
[2024-04-17 10:05:26.740] [rrc] [info] UE switches to state [RRC-CONNECTED]
[2024-04-17 10:05:26.740] [nas] [info] UE switches to state [CM-CONNECTED]
[2024-04-17 10:05:26.752] [nas] [error] Initial Registration failed [CONGESTION]
[2024-04-17 10:05:26.752] [nas] [debug] Handling Registration Reject abnormal case
[2024-04-17 10:05:26.752] [nas] [info] UE switches to state [5U2-NOT-UPDATED]
[2024-04-17 10:05:26.752] [nas] [info] UE switches to state [MM-DEREGISTERED/ATTEMPTING-REGISTRATION]
[2024-04-17 10:05:26.759] [rrc] [debug] RRC Release received
[2024-04-17 10:05:26.760] [nas] [info] UE switches to state [CM-IDLE]
[2024-04-17 10:17:27.460] [nas] [debug] NAS timer[3502] expired [1]
[2024-04-17 10:17:27.460] [nas] [debug] Initial registration required due to [T3502-EXPIRY-IN-ATT-REG]
[2024-04-17 10:17:27.460] [nas] [debug] UAC access attempt is allowed for identity[0], category[MO_sig]
[2024-04-17 10:17:27.460] [nas] [debug] Sending Initial Registration
[2024-04-17 10:17:27.460] [nas] [info] UE switches to state [MM-REGISTER-INITIATED]
[2024-04-17 10:17:27.460] [rrc] [debug] Sending RRC Setup Request
[2024-04-17 10:17:27.460] [rrc] [info] RRC connection established
[2024-04-17 10:17:27.460] [rrc] [info] UE switches to state [RRC-CONNECTED]
[2024-04-17 10:17:27.460] [nas] [info] UE switches to state [CM-CONNECTED]
[2024-04-17 10:17:27.470] [nas] [error] Initial Registration failed [CONGESTION]
[2024-04-17 10:17:27.470] [rrc] [debug] RRC Release received
[2024-04-17 10:17:27.470] [nas] [debug] Handling Registration Reject abnormal case
[2024-04-17 10:17:27.470] [nas] [info] UE switches to state [MM-DEREGISTERED/ATTEMPTING-REGISTRATION]
[2024-04-17 10:17:27.470] [nas] [info] UE switches to state [CM-IDLE]
[2024-04-17 10:17:37.470] [nas] [debug] NAS timer[3511] expired [1]
[2024-04-17 10:17:37.470] [nas] [debug] Initial registration required due to [T3511-EXPIRY-IN-ATT-REG]
[2024-04-17 10:17:37.470] [nas] [debug] UAC access attempt is allowed for identity[0], category[MO_sig]
[2024-04-17 10:17:37.470] [nas] [debug] Sending Initial Registration
[2024-04-17 10:17:37.470] [nas] [info] UE switches to state [MM-REGISTER-INITIATED]
[2024-04-17 10:17:37.470] [rrc] [debug] Sending RRC Setup Request
[2024-04-17 10:17:37.470] [rrc] [info] RRC connection established
[2024-04-17 10:17:37.470] [rrc] [info] UE switches to state [RRC-CONNECTED]
[2024-04-17 10:17:37.470] [nas] [info] UE switches to state [CM-CONNECTED]
[2024-04-17 10:17:37.477] [nas] [error] Initial Registration failed [CONGESTION]
[2024-04-17 10:17:37.477] [rrc] [debug] RRC Release received
[2024-04-17 10:17:37.477] [nas] [debug] Handling Registration Reject abnormal case
[2024-04-17 10:17:37.477] [nas] [info] UE switches to state [MM-DEREGISTERED/ATTEMPTING-REGISTRATION]
[2024-04-17 10:17:37.477] [nas] [info] UE switches to state [CM-IDLE]
[2024-04-17 10:17:47.480] [nas] [debug] NAS timer[3511] expired [1]
[2024-04-17 10:17:47.480] [nas] [debug] Initial registration required due to [T3511-EXPIRY-IN

No packets captured in UE trace & ITC traces. Erlan trace captured for your reference.

system_admin@pcc-ucc1b#show alarm

cmNoncheckpointedConfigExists
active-severity Warning
service-name eric-pc-mm-controller
event-type ProcessingErrorAlarm
expires 30
source /mm/configurationManagement/7
specific-problem CM Noncheckpointed Config Exists
probable-cause 100549
major-type 193
minor-type 4239786243
last-event-time 2024-04-17T01:15:10.566565 CEST
additional-text There is non-checkpointed configuration.

WorkloadMemoryUsageThresholdReached

active-severity Minor
service-name eric-pm-bulk-reporter

```

event-type      ProcessingErrorAlarm
expires        23
source         /sys:system/x/workload-type[name=StatefulSet]/workload-name[name=eric-data-object-storage-mn]/container[name=eric-data-object-storage-
mn]
specific-problem   Workload Memory Usage Threshold Reached
probable-cause    207
major-type       193
minor-type       13041715
last-event-time  2024-04-16T22:00:10.000092 CEST
additional-text   The memory resource usage threshold is reached for a workload.
system_admin@pcc-ucc1b#
AMF registration:-
eccd@ccds-ucc1b:~> for VAR in `curl -s http://172.16.5.112:80/nnrf-nfm/v1/nf-instances | jq '.links.item[].href' | sed 's/.ces(.)"/\1/g'; do echo "NF Info:"; curl -s
http://172.16.5.112:80/nnrf-nfm/v1/nf-instances\$VAR |jq '{nfType,nfStatus,fqdn}' ; done
NF Info:
{ *"nfType": "AMF",*  *"nfStatus": "REGISTERED",*  "fqdn": "pcc-ucc1b.amf.5gc.mnc014.mcc310.3gppnetwork.org" }

Pod Status
eccd@ccds-ucc1b:~>
eccd@ccds-ucc1b:> kubectl -n ep5g get pod -o wide| egrep -v "RESTARTS|Succeeded|Evicted|Completed|1/1|2/2|3/3|4/4|5/5|9/9|Running"
eccd@ccds-ucc1b:~>
eccd@ccds-ucc1b:~>
```

I can share more details if needed, pls let me know.

Thanks

Rishi Shekhar

Comments

Comment by Fredrik Gustavsson [2024-08-12]

New DNS solution introduced in UCC 1.0, is likely to resolve the issue.
If this issue re-occurs, the described workaround may be used.

Comment by Fredrik Gustavsson [2024-04-19]

Ok, found it:

ISP	Root DNS Server
Usage Type	Data Center/Web Hosting/Transit
Hostname(s)	M.ROOT-SERVERS.NET
Domain Name	root-servers.org
Country	Japan
City	Yokohama, Kanagawa

It seems to be some sorts of fallback when the local DNS server is not reachable.

Comment by Fredrik Gustavsson [2024-04-19]

Hi Rajan Rajeshprasad Gupta ,

Could you please check where this DNS server came from?

```
% find <config dir> -type f -exec grep -E '202\.\d{2}\.\d{2}\.\d{2}' {} /dev/null \;
```

If we don't find any match there, we should check the network config on the CCD host:

```
% cat /etc/resolv.conf
```

```
% ( nmcli dev list || nmcli dev show ) 2>/dev/null | grep DNS
```

Comment by Fredrik Gustavsson [2024-04-19]

Thanks Rajan Rajeshprasad Gupta , and good work to find this issue!

I'll summarize the issue in case we cannot reach the ppt in the future.

Congestion (22) // AMF ↔ DNS[UDM]3/4

No.	Time	ID	Source	Destination	Protocol	Frame	HI (I RAT Type	F-TIEID IPv4	Info
139	2024-04-18 12:10:54.904802	1	192.168.239.43	202.127.37.33	DNS	121			Standard query Request A ude-cce-ucc3.5gc.mcc014.mcc310.3gppnetwork.org OPT
208	2024-04-18 12:10:55.169551	2	202.127.37.33	192.168.239.43	DNS	121			Standard query response ude-cce-ucc3.5gc.mcc014.mcc310.3gppnetwork.org OPT
281	2024-04-18 12:10:55.169518	3	192.168.239.43	202.127.37.33	DNS	147			Standard query ude-cce-ucc3.5gc.mcc014.mcc310.3gppnetwork.org OPT
282	2024-04-18 12:10:55.169520	4	202.127.37.33	192.168.239.43	DNS	890			Standard query response ude-cce-ucc3.5gc.mcc014.mcc310.3gppnetwork.org NS 10.96.0.19 afilles-net.org

Point 2: AMF send DNS request to unknown DNS server(s)

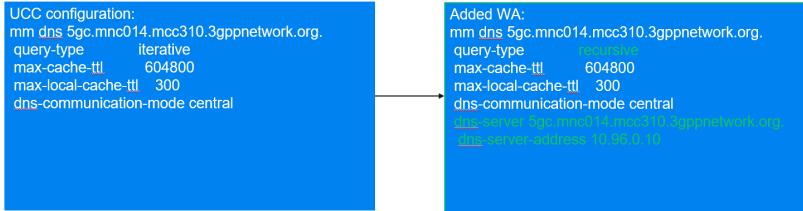
Point 3: AMF try to send DNS request to unknown DNS server(s)

DNS : Request

DNS : Response

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Congestion (22) // WA Applied on AMF



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Comment by [Rajan Rajeshprasad Gupta](#) [2024-04-19]

Hello [Fredrik Gustavsson](#),

We identified issue and applied WA.

Please see detailed RCA slides.

[UCC-Learning.pptx](#)

Slide 8: For exact problem identification.

Slide 14: As work-around. WA works.

Now, we have question, we need to identify why AMF in MANA lab is behaving weirdly (What is trigger and what can be done to bring back to work properly). Can you have Let me know if any specific logs are required. I am unable to upload logs in ticket.

Comment by [Rajan Rajeshprasad Gupta](#) [2024-04-18]

Hello,

FYI journal logs. I could not locate problem, sharing for second view.

[journalctl-test-18-04-2024.log](#)

Comment by [Fredrik Gustavsson](#) [2024-04-18]

Thanks for the info.

If the AMF sends packets, please try to probe these packets at the AMF and then step by step out from the AMF until you find where the expected packets are no longer available. Also, did you check additional logs (e.g. journalctl) to see if we have basic networking errors?

Comment by [Rajan Rajeshprasad Gupta](#) [2024-04-18]

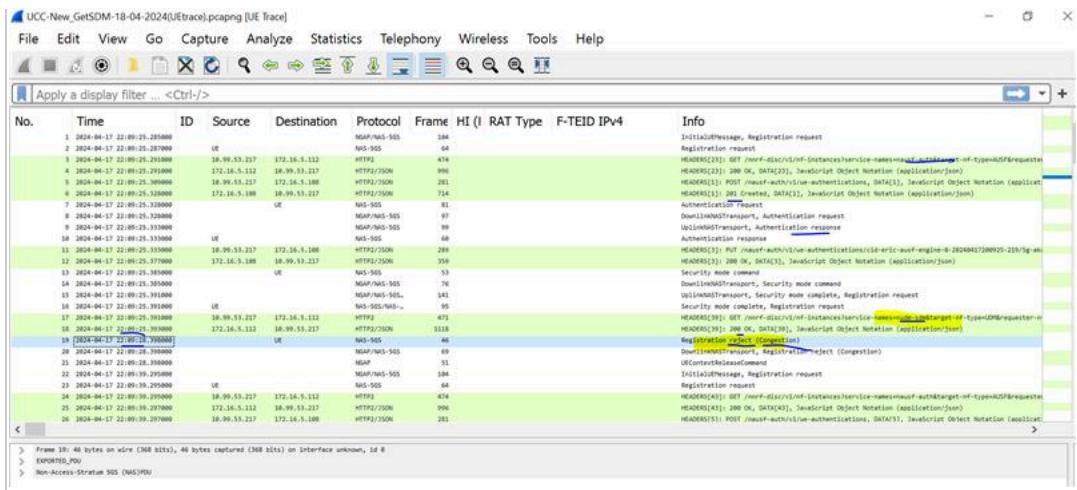
Hello,

Further troubleshooting observation.

1. AMF just after UDM discovery.
2. AMF unable to send http message/tcp-syn message towards UDM
3. AMF tried for 3 second and give up.

I have impression that AMF unable to allocate tcp socket to initiate message towards UDM.

See below;



Note:

Point1: UDM fqdn is resolved and curl works from both worker and AMF Mobility and Controller pod.

Point2: Counters indicate, AMF application has send packets but we dont see actual packet on wire (ie on UETrace).

Point1 logs:

```
eccd@ccds-ucc1b:~> dig ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org
net.c:537: probing sendmsg() with IPV6_TCLASS=b8 failed: Network is unreachable
```

```
; <>> DiG 9.16.44 <>> ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org
;; global options: +cmd
;; Got answer:
;; >>>HEADER<< opcode: QUERY, status: NOERROR, id: 3226
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1
```

```
; OPT PSEUDOSECTION:
; EDNS: version: 0, flags: udp: 4096
; COOKIE: 5fcf3b8960f75c73010000006620b6085eb7a2dd434c8715 (good)
; QUESTION SECTION:
;ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org. IN A
```

```
; ANSWER SECTION:
ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org. 3600 IN A 172.16.5.108
```

```
; Query time: 0 msec
;; SERVER: 10.96.0.10#53(10.96.0.10)
;; WHEN: Thu Apr 18 00:56:24 CDT 2024
;; MSG SIZE rcvd: 171
```

```
eccd@ccds-ucc1b:~> dig udm-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org
net.c:537: probing sendmsg() with IPV6_TCLASS=b8 failed: Network is unreachable
```

```
; <>> DiG 9.16.44 <>> udm-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org
;; global options: +cmd
;; Got answer:
;; >>>HEADER<< opcode: QUERY, status: NOERROR, id: 44830
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1
```

```
; OPT PSEUDOSECTION:
; EDNS: version: 0, flags: udp: 4096
; COOKIE: b4600588939ec1ba010000006620b6226c37b80b4a5b744c (good)
```

```
;; QUESTION SECTION:  
;udm-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org. IN A
```

```
;; ANSWER SECTION:  
udm-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org. 3600 IN A 172.16.5.111
```

```
; Query time: 0 msec  
; SERVER: 10.96.0.10#53(10.96.0.10)  
; WHEN: Thu Apr 18 00:56:50 CDT 2024  
; MSG SIZE rcvd: 169
```

```
eccd@ccds-ucc1b:~> kubectl get svc -A | grep 172.16.5.111  
ccsm           eric-ingressgw-udm-traffic          LoadBalancer 10.99.68.159  172.16.5.111  
82/TCP,443/TCP  
9d  
eccd@ccds-ucc1b:~>  
eccd@ccds-ucc1b:~>  
eccd@ccds-ucc1b:~>  
eccd@ccds-ucc1b:~> kubectl get svc -A | grep 172.16.5.108  
ccsm           eric-ingressgw-ausf-traffic         LoadBalancer 10.110.186.165 172.16.5.108  
443/TCP  
eccd@ccds-ucc1b:~> curl -v http://172.16.5.111:443  
* Trying 172.16.5.111:443...  
• Connected to 172.16.5.111 (172.16.5.111) port 443 (#0)  
  > GET / HTTP/1.1  
  > Host: 172.16.5.111:443  
  > User-Agent: curl/8.0.1  
  > Accept: /  
  >  
• Empty reply from server  
• Closing connection 0  
curl: (52) Empty reply from server  
eccd@ccds-ucc1b:~> curl -v http://172.16.5.108:443  
* Trying 172.16.5.108:443...  
• Connected to 172.16.5.108 (172.16.5.108) port 443 (#0)  
  > GET / HTTP/1.1  
  > Host: 172.16.5.108:443  
  > User-Agent: curl/8.0.1  
  > Accept: /  
  >  
• Empty reply from server  
• Closing connection 0  
curl: (52) Empty reply from server  
eccd@ccds-ucc1b:~>
```

Point2 logs:

```
system_admin@pcc-ucc1b#metrics-query pcmm_VS_UDM_SdmGetAtt_5GS  
{  
  "data": {  
    "result": [  
      {  
        "metric": {  
          "_name_": "pcmm_VS_UDM_SdmGetAtt_5GS",  
          "app_kubernetes_io_name": "eric-pc-mm-controller",  
          "instance": "192.168.239.43:9361"  
        },  
        "value": [  
          "2024-04-17T22:50:41+02:00",  
          "0"  
        ]  
      },  
      {  
        "metric": {  
          "_name_": "pcmm_VS_UDM_SdmGetAtt_5GS",  
          "app_kubernetes_io_name": "eric-pc-mm-mobility",  
          "instance": "192.168.239.23:9369"  
        }  
      }  
    ]  
  }  
}
```

```

        "value": [
            "2024-04-17T22:50:41+02:00",
            "2"
        ]
    },
    "resultType": "vector"
},
"status": "success"
}
Point4:
system_admin@pcc-ucc1b#metrics-query "pcmm_VS_UDM_SdmGetSucc_5GS"
{
    "data": {
        "result": [
            {
                "metric":
                    {"__name__": "pcmm_VS_UDM_SdmGetSucc_5GS", "app_kubernetes_io_name": "eric-pc-mm-controller", "instance": "192.168.239.43:9361"},

                    "value": [
                        "2024-04-17T22:50:51+02:00",
                        "0"
                    ]
            },
            {
                "metric":
                    {"__name__": "pcmm_VS_UDM_SdmGetSucc_5GS", "app_kubernetes_io_name": "eric-pc-mm-mobility", "instance": "192.168.239.23:9361"},

                    "value": [
                        "2024-04-17T22:50:51+02:00",
                        "0"
                    ]
            }
        ],
        "resultType": "vector"
},
"status": "success"
}

```

Comment by [Rajan Rajeshprasad Gupta](#) [2024-04-17]

Hello,

Yes, off-course. That was our first check.

Ping from single worker to AUSF IP -->Works.

Curl auf Fqdn from single worker to AUSF IP -->Works.

Rishi will share logs.

Comment by [Fredrik Gustavsson](#) [2024-04-17]

Did you investigate "Network is unreachable"? Please check for port flapping or possible link congestion. If only, so we can eliminate this as a possible root cause.

Comment by [Rajan Rajeshprasad Gupta](#) [2024-04-17]

Hello,

Observation during erlang trace.

AMF complaints for "DNS lookup for AUSF" failed with reason nxdomain. See attachment.

```
(e_Erlang__Global_pm1_63_2_1@192.168.239.59)19>
### GSN - Time:13:08:41.536 : GSS: HTTP: warning, DNS lookup on "ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org" failed with reason nxdomai
```

However, DNS lookup by dig/ndstool is fine from ccd and amf mm-controller.

See below:

```
eccd@ccds-ucc1b:~> dig ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org
net.c:537: probing sendmsg() with IPV6_TCLASS=b8 failed: Network is unreachable
```

```
; <>> DiG 9.16.44 <>> ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org
;; global options: +cmd
;; Got answer:
;; >>>HEADER<<- opcode: QUERY, status: NOERROR, id: 61426
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags: udp: 4096
; COOKIE: 9f78405f8c5ff60e01000000661fafdef0fb62966a00e20da (good)
;; QUESTION SECTION:
;ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org. IN A
```

;; ANSWER SECTION:
ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org. 3600 IN A 172.16.5.108

;; Query time: 0 msec
;; SERVER: 10.96.0.10#53(10.96.0.10)
;; WHEN: Wed Apr 17 06:09:35 CDT 2024
;; MSG SIZE rcvd: 171

```
eccc@ccds-ucc1b:~> kubectl exec -it -n ep5g eric-pc-mm-controller-6c9986cd7c-qvr89 – bash
Defaulted container "eric-pc-mm-controller" out of: eric-pc-mm-controller, ensure-net-sysctls (init), prepare-object-storage (init)
bash-4.4$  

bash-4.4$  

bash-4.4$ dig ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org
```

```
; <>> DiG 9.11.4 <>> ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org
;; global options: +cmd
;; Got answer:
;; >>>HEADER<<- opcode: QUERY, status: NOERROR, id: 57812
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1
```

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags: udp: 4096
; COOKIE: edb98366b803140b01000000661faf21c13fc8cadcd120e5 (good)
;; QUESTION SECTION:
;ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org. IN A

;; ANSWER SECTION:
ausf-ccsm-ucc1b.5gc.mnc014.mcc310.3gppnetwork.org. 3600 IN A 172.16.5.108

;; Query time: 0 msec
;; SERVER: 10.96.0.10#53(10.96.0.10)
;; WHEN: Wed Apr 17 13:14:41 CEST 2024
;; MSG SIZE rcvd: 171

We dont understand why we see error in erlang logs.

Can you help to check?

[UCC_PLM-18] UCC Jump server requirements to include 3pp SW prerequisites <small>Created: 2024-04-16 Updated: 2025-04-24 Resolved: 2025-04-24</small>	
Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Jossy Pallan	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	Aachen-installed_packages 1.txt	Aachen-services 1.txt	Achen-docker_list 1	Tef-docker_list	tef-installed_packages.txt	tef-services.txt
Defect code_qmt:	4- Process Definition Change					
Sprint:	UCC Sprint 5, UCC Sprint 8					
Severity_qmt:	3- Medium					
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED					

Description

To add to this, if they prepared the jumpserver according to the documentation, should we update the documentation to also include the web server and docker installation as a prerequisite rather than a later part of the installation steps? @Vibhor Jain , is this possible?
As Jump server is outside of UCC, we could have stated the requirement along with tenant space requirement. Customer is the one who prepared the Jump server as per the specification we have mentioned in the deployment guide and the system doesn't have internet connectivity. If there is an internet connection, we could have uploaded the required components to make it ready for UCC deployment.
We don't have linux expertise to upgrade Jump server in an offline mode (we have access to the Jump server thru router), so if you or anyone can help us with this step, would be highly appreciated. We are checking with CU team as well.
As requested by Ashok on the teams channel, do we have a work around to get the necessary files (apache, docker..)into jump server as the internet access is blocked in Customer environment?

Comments

Comment by Fredrik Gustavsson [2024-06-17]
Sorry for the late update.
Thanks for the info. I will consider this issue resolved.
Comment by Viktor Dimitrov [2024-04-30]
Hi Daniel, Frederik,
<ul style="list-style-type: none"> ■ We have updated our guide with unzip and genisoimage installation in the Chapter 7: "Jumhoust preparation" ■ You have listed Docker, Apache, helm, helmfile installation, but those are already in that section so we do not need to make any changes. ■ keytool - we were advised it is not needed anymore. I assume we can remove it from our jumphost in Aachen.
Please advise?
Best Regards, Viktor and Birom
Comment by Daniel Smith C [2024-04-29]
Setting to BLOCKED - Awaiting Development update
Comment by Daniel Smith C [2024-04-29]
@Vibhor.
Can we have an update on this part please?
<ul style="list-style-type: none"> ■ the information has been provided. ■ Development needs to produce the updates that include the full view of the JS host (as a customer would use it, not just what is in the lab) ■ missing as well is the ports that are used between the system (cannot reference your Lab setup when its direct, need to assume that the systems are not direct connected and PORT and other infomration needed as well)
Please come back with an estimate on when the update can be done.
Comment by Fredrik Gustavsson [2024-04-25]
As stated in the ticket description, at a customer location, we may not have the possibility to install utilities as we progress thru the installation steps. This means that the installation of the jumpserver must be treated as one discrete step and the UCC installation as another step.
Therefore, all jumpserver SW installation, and possibly some configuration, should be done prior to the UCC installation steps and possibly by another team.
We also have the table 5 in the Install Guide today, describing 3pp SW requirements, but it's only including helm and helmfile. Could this be used as a first step to list all identified 3PP SW that we need?
So far we have: 1. docker

2. apache (or other webserver)
3. helm (2 versions)
4. helmfile
5. genisoimage
6. keytool
7. unzip

Later, we can move the jumpserver configuration steps as a separate chapter prior to the UCC installation.

Comment by [Fredrik Gustavsson](#) [2024-04-25]

If "unzip" is needed, please also add that as a requirement.

Comment by [Ashok Gumpu](#) [2024-04-25]

Hello All,

Can you please share list of utilities or binaries, or any other Applications and their version needed in jump server for deployment of ECCD and CNF's

Example:

1. While deploying ECCD we found that we also need genisoimage
2. For Certificate generation we need keytool utility

Thanks

Ashok Gumpu

Comment by [Vibhor Jain](#) [2024-04-17]

Thanks Kamal for your comment.

Comment by [Kamal Ait Hammou](#) [2024-04-17]

Hello,

Jump server is not a component from UCC. We have stated in the installation MoP to install apache2 as web server and docker as container runtime on a connected jump server to internet or internal repository.

For an offline environment you need to ask customer to install the software (apache2 and docker) needed by UCC as he is the owner of the jump server.

We will enhance the installation MoP by adding a section in general requirements about this issue.

Comment by [Vibhor Jain](#) [2024-04-17]

Hi @Kamal,

Can you please review the ticket and reply accordingly?

Regards

Vibhor Jain

Comment by [Fredrik Gustavsson](#) [2024-04-16]

We also need helm and helmfile. According to II PoC drop 2:

Product Name Version Download link

Helm V3.8.1 helm-v3.8.1-linux-386.tar.gz

Helm V3.11.3 helm-v3.11.3-linux-386.tar.gz

helmfile 0.156.0 helmfile_0.156.0_linux_386.tar.gz

[UCC_PLM-17] Support Plan - Network Impact Report Created: 2024-04-10 Updated: 2024-09-03 Resolved: 2024-08-27

Status:	Duplicated
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Description

As part of the Support Plan documentation set

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-27]

Document tracking is now done in the CNESOL project. This issue is obsolete.

Comment by [Fredrik Gustavsson](#) [2024-04-10]

At PRT, we determined that this document is only needed at the second release of UCC.

Revisit for UCC 1.1

[UCC_PLM-16] Support Plan - SW Change Instruction Created: 2024-04-10 Updated: 2024-09-03 Resolved: 2024-08-27

Status: Duplicated

Project: [UCC_PLM](#)

Component/s: None

Affects Version/s: None

Fix Version/s: None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Duplicate duplicates	CNES-62	UCC - SW Change Instruction	Released
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Description

As part of the Support Plan documentation set

For main releases, the Installation Instruction should be sufficient.

Is there a need for correction package and/or emergency correction package instructions?

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-27]

Document tracking is now done in the CNESOL project. This issue is obsolete.

[UCC_PLM-15] Support Plan - Bare Metal Restore User Guide Created: 2024-04-10 Updated: 2024-09-03 Resolved: 2024-08-27

Status: Duplicated

Project: [UCC_PLM](#)

Component/s: None

Affects Version/s: None

Fix Version/s: None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Original Estimate:	Not Specified
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Issue Links:	Duplicate duplicates	CNES-38	UCC - Backup and Restore User Guide	Released
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Description

As part of the Support Plan documentation set Assess what documentation exists for CCD-SS refer to it. Is there a need for UCC specific restore procedures on top of what CCD-SS is providing?
--

Comments

Comment by Fredrik Gustavsson [2024-08-27] Document tracking is now done in the CNESOL project. This issue is obsolete.
--

[UCC_PLM-14] Support Plan - Back up Restore User Guide <small>Created: 2024-04-10 Updated: 2024-09-03 Resolved: 2024-08-27</small>

Status:	Duplicated
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Duplicate duplicates	CNES-38	UCC - Backup and Restore User Guide	Released
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Description

As part of the Support Plan documentation set Assess what documentation exists for CCD-SS and the CNFs and refer to them. Is there a need for UCC specific backup/restore procedures on top of what CCD-SS and the CNFs are providing?
--

Comments

Comment by Fredrik Gustavsson [2024-08-27] Document tracking is now done in the CNESOL project. This issue is obsolete.
--

[UCC_PLM-13] Support Plan - Preventive Maintenance <small>Created: 2024-04-10 Updated: 2024-09-03 Resolved: 2024-08-27</small>

Status:	Duplicated
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
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Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Duplicate duplicates	CNES-65	UCC - Preventive Maintenance	Released
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Description

As part of the Support Plan documentation set
 Assess what documentation exists for CCD-SS and the CNFs and refer to them.
 Is there a need for UCC specific preventive maintenance on top of what CCD-SS and the CNFs are providing?

Comments

Comment by Fredrik Gustavsson [2024-08-27]
Document tracking is now done in the CNESOL project. This issue is obsolete.

[UCC_PLM-12] Support Plan - Health Check Created: 2024-04-10 Updated: 2024-09-03 Resolved: 2024-08-27			
Status:	Duplicated	Priority:	Medium
Project:	UCC_PLM	Assignee:	Unassigned
Component/s:	None	Votes:	0
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Duplicate duplicates	CNES-66	UCC - Health Check	Released
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Description

As part of the Support Plan documentation set
 Assess what documentation exists for the CNFs and refer to them.
 Is there a need for a UCC specific health check on top of what the CNFs are providing?

Comments

Comment by Fredrik Gustavsson [2024-08-27]
Document tracking is now done in the CNESOL project. This issue is obsolete.

[UCC_PLM-11] Support Plan - Emergency Recovery Procedure Created: 2024-04-10 Updated: 2024-09-03 Resolved: 2024-08-27			
Status:	Duplicated	Priority:	Medium
Project:	UCC_PLM	Assignee:	Unassigned

Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Duplicate duplicates	CNES-68	UCC - Emergency Recovery Procedure	Released
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Description

As part of the Support Plan documentation set
 Assess what documentation exists for the CNFs and refer to them.
 Also investigate on what level UCC should support emergency recovery (i.e. cattle vs. pet analogy).
 What should be in-field emergency recovery vs. DSI recovery?
 Is the recovery a reinstallation?

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-27]

Document tracking is now done in the CNESOL project. This issue is obsolete.

[UCC_PLM-10] Support Plan - Advanced Troubleshooting Guide Created: 2024-04-10 Updated: 2024-09-03 Resolved: 2024-08-27			
Status:	Duplicated		
Project:	UCC_PLM		
Component/s:	None		
Affects Version/s:	None		
Fix Version/s:	None		

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Duplicate duplicates	CNES-64	UCC - Troubleshooting Guide	Released
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Description

As part of the Support Plan documentation set
 Assess what documentation exists for the CNFs and refer to them.
 Also investigate on what level UCC should support troubleshooting (i.e. cattle vs. pet analogy).
 What should be in-field troubleshooting vs. DSI troubleshooting?

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-27]

Document tracking is now done in the CNESOL project. This issue is obsolete.

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[UCC_PLM-9] Support Plan - Data Collection Guideline	Created: 2024-04-10 Updated: 2024-09-03 Resolved: 2024-08-27
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Status:	Duplicated
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Duplicate	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Duplicate duplicates	CNES-67	UCC - Data Collection Guideline	Released
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Description

As part of the UCC Support Plan documentation set Assess what Data Collection Guidelines exists for CNFs and refer to them. Do we need any additional Data Collection for UCC specific additions?

Comments

Comment by Fredrik Gustavsson [2024-08-27] Document tracking is now done in the CNESOL project. This issue is obsolete.
Comment by Blocked User (Inactive) [2024-04-30] pending doc plan review with Fredrik and team

[UCC_PLM-8] Support Plan Documentation	Created: 2024-04-10 Updated: 2024-08-27 Resolved: 2024-08-27
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Status:	Cancelled
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Epic	Priority:	Medium
Reporter:	Fredrik Gustavsson	Assignee:	Unassigned
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED
Epic Name:	Support Plan Documentation

Description

During authoring of the [UCC Support Plan]https://ericsson-my.sharepoint.com/:w/p/frances_wei/ET-FftihJY1NnI9RZVIp6h0BGHcoecNiNjxMrBnJxjWjiA?e=brcsb6, the need for a standard set of CPI/CPI Support Library documents were discussed.

Support Plan	
Title	Library and search paths
Data Collection Guideline	CPI/CPI Support Library
Advanced Troubleshooting Guide	CPI/CPI Support Library
Emergency Recovery Procedure	CPI/CPI Support Library
Health Check	CPI/CPI Support Library
Preventive Maintenance	CPI/CPI Support Library
Back up Restore User Guide	CPI/CPI Support Library
Bare Metal Restore User Guide	CPI/CPI Support Library
SW Change Instruction	CPI/CPI Support Library
Network Impact Report	CPI/CPI Support Library

This Epic is to drive the UCC alignment to these needs.

Comments

Comment by [Fredrik Gustavsson](#) [2024-08-27]

Document tracking is now done in the CNESOL project. These issues are obsolete and marked as duplicates

[UCC_PLM-7] BoM queries on Router

Created: 2024-04-05 Updated: 2024-09-09 Resolved: 2024-09-09

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Medium
Reporter:	Jossy Pallan	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Sprint:	UCC Sprint 12
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Description

Thanks Daniel!

H/W BoM states the cable requirements as below;

Cables			
Price Object / Product	Qty	Description	Purpose
RDH901002/1	8	OPTICAL TRANSCEIVER/100/1000 TX SSR, SFP	Transceiver for ILO and CCD provisioning
RPM777528/02500	1	CABLE WITH CONNECTOR/POWER CABLE	Power Cable for Router
RPM777053/03000	1	CABLE WITH CONNECTOR/QSFP28 - QSFP28	Cable for Uplink connection
RPM777054/01000	2	CABLE WITH CONNECTOR/QSFP28 - 4x SFP28	Breakout cable with transceivers
	4	1 meter RJ45 Cable	Cable for Provisioning and ILO

Thanks, Jossy.

From: Daniel Smith C <daniel.c.smith@ericsson.com>

Sent: Friday, April 5, 2024 9:27 PM

To: Ashok Gumpu <ashok.gumpu@ericsson.com>; Kamal Ait Hammou <kamal.ait.hammou@ericsson.com>; Birom Bah <birom.bah@ericsson.com>; Viktor Dimitrov <viktor.dimitrov@ericsson.com>; Vibhor Jain <vibhor.jain@ericsson.com>
Cc: Jossy Pallan <jossy.pallan@ericsson.com>; Mattias Palm E <mattias.e.palm@ericsson.com>; Helen Täfvander <helen.tafvander@ericsson.com>; Rishi Shekhar <rishi.shekhar@ericsson.com>; Akshaya Avin Shetty <akshaya.avin.shetty@ericsson.com>; Ahmed Elkhouly <ahmed.elkhouly@ericsson.com>
Subject: Re: Feedback from Telefonica Spain

Hello.

you should have had 2x25GB Mellanox CX6 cards in the BOM, that is why they are included there with the QSFP that breaks out to 4 phases.

This was built to support the interfaces, where did you get this BOM from, since i dont see the Mellanox cards as per the HW specification and I dont understand where this 1000Tx transceiver came from?

Who approved this setup, since the UCC was pinned to support traffic that "should fit" within the 10GB interfaces, im not sure I understand why, to get 4GP throughput, you need such a interface.

please do raise the ticket, however my first question is where/why deviations from the BOM outlined in the POC?

To your comments:

- UCC doesnt make statements of overall bandwidth beyond our router, it is understood that the solution should of course understand that if the calling node doesnt support the port, then local adaptation is required. UCC cant possible support all possible combinations and introduction of a switch "opens this variability" - where do we stop? 100GB? Cp4? 800GB RoCE? The UCC is not responsible for overall transport in the larger network beyond the router. The router ports can be purchased north bound to accommodate the equipment integration.
- I cant comment on the App Server/gNode B part
- You should be ordering the appropriate transceivers in your router to support the northbound network yes. As UCC would "not know" what that is, there is a generic requirement there.

Open up the ticket and lets formalize this a bit more and come up with solutions!

Daniel

From: Ashok Gumpu <ashok.gumpu@ericsson.com>

Sent: Friday, April 5, 2024 11:33 AM

To: Kamal Ait Hammou <kamal.ait.hammou@ericsson.com>; Birom Bah <birom.bah@ericsson.com>; Viktor Dimitrov <viktor.dimitrov@ericsson.com>; Vibhor Jain <vibhor.jain@ericsson.com>; Daniel Smith C <daniel.c.smith@ericsson.com>

Cc: Jossy Pallan <jossy.pallan@ericsson.com>; Mattias Palm E <mattias.e.palm@ericsson.com>; Helen Täfvander <helen.tafvander@ericsson.com>; Rishi Shekhar <rishi.shekhar@ericsson.com>; Akshaya Avin Shetty <akshaya.avin.shetty@ericsson.com>; Ahmed Elkhouly <ahmed.elkhouly@ericsson.com>

Subject: Feedback from Telefonica Spain

Hello All ,

Hope you are doing good.

This is Regarding Telefonica Spain POC . Telefonica has requirement to have direct connectivity with GnodeB(base band) and N6 (application Server) from UCC as per below Diagram (Sorry for Rough diagram)

As Per Bom , we have 8 - 1 Gig Ports, 25 Gig ports and 1 – 100Gig port (for Uplink)

In Customer network , they do not have router to have connectivity with 100 Gig port , so we end up with having 1Gig port connectivity

Issue 1: We have commitment to show 4Gbps Speed .In this case , its not possible to show 4Gbps

Issue 2 : If Application server (N6) , does not support 1 Gig port , and Base band does not support 1 Gig port , we end up with No PDU Session (awaiting from Customer about this)

I am seeing 3 Possibilities

1. We need router/L3 switch between R6K and Other end point and it has to support 100Gig port (what we have tested with L3 Switch -Slx)
2. We need to have connectivity Application Server and Base band Gnode B with 1 Gig port
3. We need to order 10 Gig Hardware (SFP+ and Cables) (Router expert should confirm about model and type of hardware)

Require your Comments on this on way forward

We will raise UCCPLM JIRA to track this and any changes required in BOM/LLD for next release

Note: We are waiting detail from Telefonica about DNS, Nels, and NTP connectivity and more details of N2/N3 and N6 Connecvity

Thanks

Ashok Gumpu

Comments

Comment by [Daniel Smith C](#) [2024-08-26]

Document Updated and Sent @Jossy Palin for review and then Eric for Approval.

Comment by [Daniel Smith C](#) [2024-08-26]

Document Updated and Sent @Jossy Palin for review and then Eric for Approval.

Comment by [Daniel Smith C](#) [2024-08-26]

Document is updated with the information required (stepped to 0.6 in EriDoc) - UCC-Study - Hardware.doc. and been sent for approval of Update Section.

WORK DONE:

- added in Section 10 with a call out to the specific transceivers and cables that are required overall.

Comment by [Daniel Smith C](#) [2024-08-26]

Document is updated with the information required (stepped to 0.6 in EriDoc) - UCC-Study - Hardware.doc. and been sent for approval of Update Section.

WORK DONE:

- added in Section 10 with a call out to the specific transceivers and cables that are required overall.

Comment by [Reema Sidhwani](#) [2024-07-29]

Documents are in the repository. Needs to be approved with the assigned document no.

[UCC_PLM-6] UCC RFI technical questionnaire - Orange Group

Created: 2024-03-28 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Cancelled
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Epic	Priority:	Low
Reporter:	Ahmed Elkhouly	Assignee:	Unassigned
Resolution:	Cancelled	Votes:	0

Labels:	None
Remaining Estimate:	Not Specified
Time Spent:	Not Specified
Original Estimate:	Not Specified

Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED
Epic Name:	UCC RFI technical questionnaire - Orange Group
Other Assignees:	Kamal Ait Hammou, Vibhor Jain

Description

We have an RFI from Orange group and we have some technical questions to be answered in the RFI. Thanks to support to get these questions answered wherever possible.

Access is already granted for Vibhor and Kamal to the document. Please let me know if more access is needed.

[UCC_PLM-5] BoM - Cable length Change Created: 2024-03-13 Updated: 2025-04-29 Resolved: 2025-04-29

Status:	Cancelled
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Epics	Priority:	Medium
Reporter:	Ahmed Elkhoudy	Assignee:	Didem Pariltay
Resolution:	Cancelled	Votes:	0
Labels:	None		
Remaining Estimate:	3h		
Time Spent:	Not Specified		
Original Estimate:	3h		

Issue Links:	Composition is a part of UCC_REL-62	Generate a Documentation Release base...	Cancelled
Acceptance Criteria:	PROOF POINTS: <ul style="list-style-type: none"> • Document is checked out of EriDoc correctly • Proposed Text is agreed with OSL (at least 1) • Documentation is updated and checked into EriDoc • Documentation is Approved in eriDoc by Doc Responsible Documentation is "released" officially and available as an update for Consumers.		
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED		
Epic Name:	BoM - Cable length Change		

Description

ISSUE 1:
- PROBLEM SUMMARY: From MANA (Debajit) one update on the topic of BOM, as we found out trying to connect the servers to the router. The RPM777054/01000 cable length (1m) is too short because 6675 has front ports and HPs has ports at the back.
PROPOSED SUGGESTED DOC FIX (Daniel S.) :
<ul style="list-style-type: none"> we should update the Drop 2 BOM / Documentation and indicate that depending on the racking configuration (front to back which is variable) different cables can be used. We should outline that we tested with the ones indicated, but also include the a longer cable (we can contact HPE to get a part number on that or ask Debajit Mitra what they ended up using).
From a BoM point of view, as the 'racking" is not going to be static, we should ideally point simply to the R6K page with supported cable racking long term. For now, we can have a table with the cable part numbers and a note with the lengths and allow for flexibility and bring in Debajit's note and release the updated Doc (version step)
Ahmed Elkhoudy the picture was lost somehow - dont know if you still have it?
ISSUE 2:

- PROBLEM SUMMARY: From Telefonica ordering for POC, the Router cable without a console cable for initial installation. The BoM should include this.

PROPOSED SUGGESTED DOC FIX: We update the BoM with the correct Console Cable part number and release an updated doc (version step).



Comments

Comment by Daniel Smith C [2024-03-28]

Definition of Done:

- Release update to Documentation with in the Drop2 Product Set.

Tasks:

- Follow the UCC Documentation Update Release Process
- Source the Part Numbers and validate with IV/DEV the documentation updates

[UCC_PLM-4] [5GCAS ER for Aachen SD/PLM lab](#) Created: 2024-03-05 Updated: 2024-05-14 Resolved: 2024-05-14

Status:	Resolved
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Task	Priority:	Low
Reporter:	Jossy Pallan	Assignee:	Unassigned
Resolution:	Resolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments: [5GC Automation Solution 1.0 - June 2023 ER template.xlsx](#) [5GC Automation Solution Exemption Request.docx](#)

Sprint: UCC Sprint 7

Description

Hi,

Please could you arrange for a 5GCAS license/ER for use in Aachen UCC lab for SD/PLM activities? Main objective is to use AAT included within it similar to I&V initiative.
Thanks, Jossy.

Comments

Comment by Eric Hamelin [2024-05-14]

Closing this ticket sorry. I spoke to Jossy on the 5th of April and he told me the ER was accepted for the 5gcas on the 8th of April.

I apologize for it being open for so long (I forgot I had a ticket in PLM) and was doing teams for the information sharing and working with Jossy.

I will upload the documents I provided him in this comment as well for future use if necessary.

Thank you!

Comment by Jossy Pallan [2024-04-16]

Thx guys, I managed to get both CDD & 5GCAS ERs approved now!

[5GCAS ER for Aachen SD/PLM lab - 5GC Automation Solution - Service project \(ericsson.com\)](#)

Since we have already cAAT deployed in Aachen with the help of dev team, we plan to try this out first and then try 5GCAS route later.

Comment by Daniel Smith C [2024-04-15]

hey Eric Hamelin

did this ever get done?

Do we have an Approved ER for 5GCAS in Aachen?

Can you give a bit of a status update in the ticket and see where we are at (not sure if this is parked, moving forward, etc.)?

D

Comment by [Daniel Smith C](#) [2024-03-18]

Jossy Pallan

Apologies, Eric is away out of the office last week and i forgot to update this, sorry.

Since the plans have changed slightly, the best thing to do is to request (email) [Abhishek Jaiswal](#) directly and request the latest ER process directly.
I looked through expecting an update on the page with a link to a ER Form or something similar in our 5gCAS site, but seems that might not be created yet.

See the mail sent directly as well (with us all on it).

Cheers,

D

Comment by [Jossy Pallan](#) [2024-03-18]

Any update on this please Eric? thnaks!

Comment by [Daniel Smith C](#) [2024-03-05]

Hector Caballero Rodriguez and Eric Hamelin

Please print this for this sprint, the DOD is that Eric helps get the ER that he did for the other 5GCAS submitted to Amgad and the "process for requesting the ER" (the steps) is published somewhere with a link to the ticket here. Jossy is the contact point in the ER and you can reach out to him [Eric Hamelin](#) once [Hector Caballero Rodriguez](#) has planned this in your list for this sprint (i.e it doesnt HAVE to be done tomo0rrow, but sometime in the next 10 days)

Estimate time < 1 hour -

DoD - a link / proof that the ER was submitted and the doc submitted/attached herein.

[UCC_PLM-3] CCD- loadbalancer ip not assigned to CNF ingress services Created: 2024-03-01 Updated: 2024-09-03 Resolved: 2024-04-18

Status:	Rejected
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Mats Persson	Assignee:	Unassigned
Resolution:	Rejected	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	<input type="checkbox"/> Mana-Issue.7z
Issue Links:	Cause Caused by UCCSUPPORT-17 CCD- loadbalancer ip not assigned to ... New Derive Derived to UCC_PRODIV-352 Evaluate issue in UCC3 and decide if ... Done
Other Assignees:	Hector Caballero Rodriguez
Sprint:	UCC Sprint 5
Severity_qmt:	3- Medium
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

CCRC is deployed in one of MANA setup. Load balancer ip not assigned to ingressgw-nrf-traffic.

```
eccd@ccds-ucc2b:~> kubectl get svc -n ccrc | grep -i load
eric-cm-yang-provider-external LoadBalancer 10.105.35.70 10.99.50.101 830/TCP,22/TCP 2d22h
eric-fh-snmp-alarm-provider LoadBalancer 10.102.232.118 10.99.50.101 161/UDP 2d22h
eric-ingressgw-nrf-traffic LoadBalancer 10.96.168.123 <pending> 8092/TCP,8091/TCP,80/TCP,443/TCP 2d22h
```

eric-pm-bulk-reporter LoadBalancer 10.96.8.155 10.99.50.101 9022/TCP 2d22h

eccd@ccds-ucc2b:~>

ECFE-admin is updated with signalling pools- 172.18.x.x

eccd@ccds-ucc2b:~> kubectl get cm -n kube-system ecfeccdadm -o yaml

apiVersion: v1

data:

config: |

bgp-bfd-peers:

■ peer-address: 172.18.2.1

peer-asn: 4251100002

my-asn: 4251110002

hold-time: 90s

min-rx: 1000ms

min-tx: 1000ms

multiplier: 3

my-address-pools:

■ vip-pool-sig

■ peer-address: 10.99.50.17

peer-asn: 4251100002

my-asn: 4251110002

hold-time: 90s

min-rx: 1000ms

min-tx: 1000ms

multiplier: 3

my-address-pools:

■ vip-pool-oam*

address-pools:

■ name: vip-pool-sig*

protocol: bgp

addresses:

■ 172.18.5.96/27*

auto-assign: false

■ name: vip-pool-oam

protocol: bgp

addresses:

■ 10.99.50.96/27

auto-assign: false

kind: ConfigMap

metadata:

annotations:

ccd.ericsson.com/last-applied-configuration: {"apiVersion": "v1", "data": {"config": "bgp-bfd-peers:

n -

peer-address: 172.16.2.1

n peer-asn: 4251100002

n my-asn: 4251110002

n hold-time:

90s

n min-rx: 1000ms

n min-tx: 1000ms

n multiplier: 3

n my-address-pools:

n -

vip-pool-sig

n - peer-address: 10.99.50.17

n peer-asn: 4251100002

n my-asn:

4251110002

n hold-time: 90s

n min-rx: 1000ms

n min-tx: 1000ms

n multiplier:

3

n my-address-pools:

n - vip-pool-oam\\naddress-pools:

n - name: vip-pool-sig

n protocol:

bgp

n addresses:

```

n - 172.18.5.96/27
n auto-assign: false
n - name:
vip-pool-oam
n protocol: bgp
n addresses:
n - 10.99.50.96/27
n auto-assign:
false
n"},"kind":"ConfigMap","metadata":{"creationTimestamp":null,"name":"ecfe-ccdadm","namespace":"kube-system"}}
creationTimestamp: "2024-02-17T01:54:35Z"
name: ecfe-ccdadm
namespace: kube-system
resourceVersion: "7958513"
uid: bbac94fa-1bf4-412e-b72b-dc1ebfc75e77
eccd@ccds-ucc2b:~>

```

Attached all the logs from the node.

Pod logs from ECFE Controller have below errors:-

```

{"caller":"service_controller_reload.go:95","controller":"ServiceReconciler - reprocessAll","endpoints":[{"Type":0,"EpVal":null,"SlicesVal":null}],"event":"failed to handle service controller reload","level":"error","msg":"Service has local healthy endpoints","name":null,"op":null,"service":null,"ts":"2024-02-17T01:54:35Z"}
{"caller":"service_controller_reload.go:104","controller":"ServiceReconciler - reprocessAll","endpoints":[],"event":null,"level":null,"msg":null,"name":null,"op":null,"service":null,"ts":null}
{"level": "error", "ts": "2024-02-29T11:52:17Z", "logger": "cert-rotation", "msg": "Webhook not found. Unable to update certificate.", "name": "metallb-webhook-configuration", "op": "Controller}.processNextWorkItem\\n\\t/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.14.6/pkg/internal/controller/controller.go:274\\n[nsigs.k8s.io/controller-runtime\\kt/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.14.6/pkg/internal/controller/controller.go:235]"}
{"level": "info", "ts": "2024-02-29T11:52:17Z", "logger": "cert-rotation", "msg": "Ensuring CA cert", "name": "addresspools.metallb.io", "gvk": "apiextensions.k8s.io/v1", "Kind": "CustomResourceDefinition", "op": "Controller}.processNextWorkItem\\n\\t/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.14.6/pkg/internal/controller/controller.go:274\\n[nsigs.k8s.io/controller-runtime\\kt/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.14.6/pkg/internal/controller/controller.go:235]"}

```

All Logs from the node attached for reference.

Comments

Comment by [Nitin Swaroop](#) [2024-04-17]

We have already deployed the drop2 in the multiple clusters.

We do not see any issues when the CCD is deployed with the correct vlans in the config files.

The issue was only observed when the CCD files were deployed with using 172.16.XX and then after deployment ecfe configs were changed on the fly.

The procedure followed by the team was:

CCD was installed using the vlans (sig etc) 172.16.x.x or vice versa

After deploying the cluster team wanted to move to 172.18.x.x

In the logs from the ecfe collected

```

{"caller":"main.go:327","ips":["172.16.5.112"],"msg":"Service has local healthy endpoints","service":"ccrc/eric-ingressgw-nrf-traffic","ts":"2024-02-27T23:54:54.407005878Z"}
{"caller":"main.go:336","error":"assigned IP not allowed by config","ips":["172.16.5.112"],"msg":"IP allocated by controller not allowed by config","op":"setBalancer","service":"ccrc/eric-ingressgw-nrf-traffic","ts":"2024-02-27T23:54:54.407028399Z"} {"caller":"main.go:292","event":"endUpdate","ips":["172.16.5.112"],"msg":"end of service update","service":"ccrc/eric-ingressgw-nrf-traffic","ts":"2024-02-27T23:54:54.407055089Z"}
{"caller":"main.go:290","event":"startUpdate","msg":"start of service update","service":"ccrc/eric-lm-combined-server","ts":"2024-02-28T15:23:52.600247824Z"}

```

This is not allowed/supported.

Also when the team reinstalled the cluster using the right values in the CCD config files then the IP assignment was OK.

If further investigation is needed for changing the sig pool after CCD installation(on the fly) then it needs to be reproduced and check further.

In STC UCC 3a and 3b systems, CCD was installed choosing the correct pool and further CCRC got installed without any issues on top of it.

Comment by [Daniel Smith C](#) [2024-04-15]

Hello @hector.

Can you please take a look and determine if this issue was corrected in DROP2 or if a fix is still required in DROP3?

Cheers,

D

Comment by [Vibhor Jain](#) [2024-03-28]

Hi [Daniel Smith C](#), As discussed in email, the issue has been assigned you.

Please check via I&V if it is really needed to be troubleshooted?

In my view (also seeing Jossy's email) it looks like an issue with drop1 and also when CU was trying on Dell 640 (not a UCC recommended hardware). So, this should be rejected. But I will let you review.

Regards
Vibhor Jain

Comment by [Vibhor Jain](#) [2024-03-28]

Hi [Mats Persson](#),

Has someone from 1st line support (Jossy's team + Hector's team) looked into the issue and confirmed that it looks like a bug?
In our lab we have not encountered any issue like that so most probably this might be a config error.

I would suggest to include SDU team as the first line of support for this.

Regards
Vibhor Jain

Comment by [Daniel Smith C](#) [2024-03-28]

hey [Vibhor Jain](#) and [Hector Caballero Rodriguez](#)

is this still an issue in Drop2?

Should we look at this further or consider it fixed in DROP 2?

Cheers,

Daniel

Comment by [Mats Persson](#) [2024-03-01]

Created this as a Epic for now. Change to "Bug" issue type?

[UCC_PLM-2] External IP address examples in UCC LLD plan not generic Created: 2024-02-12 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Medium
Reporter:	Mats Persson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	documentation		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Issue Links:	Blocks is blocked by UCCPOCDEV-370 PLM: External IP address examples in ... Done
Acceptance Criteria:	Document updated.
Sprint:	UCC Sprint 5, UCC Sprint 8
Severity_qmt:	4-Low/Cosmetic
Requirement Status:	UCC Appliance 0.2.1 - UNCOVERED

Description

(reported by Mahmood Osorio <mahmood.osorio@ericsson.com>). Still waiting for a UCCSUPPORT ticket.

The examples of external IP addresses used in the IP plan in the UCC Low Level Design (LLD)Template ([1057-HSC 901 198/1](#) rev A) are owned by US DoD. We normally do not expose DoD IP space in other than approved secure communications by DoD.

Proposed and agreed update is to change the examples to generic addresses such as 11.22.33.44/24 .

Comments

Comment by [Mats Persson](#) [2025-04-24]

Added "documentation" label

This is a very old ticket that was issued long before the current process was in place.

Comment by Åsa Preuss [2025-04-24]

Shouldn't this ticket be labeled with Document?

We need it to make statistics.

BR Åsa

Comment by Fredrik Gustavsson [2024-08-12]

LLD updated for UCC 1.0

Comment by Daniel Smith C [2024-04-29]

Setting to BLOCKED - Awaiting Dev Team

Comment by Daniel Smith C [2024-04-29]

Hello @vibhor.

What is the status on this update?

When can we expect the documentation to be updated and then sent to Hector for approval?

Thank you

Daniel

Comment by Daniel Smith C [2024-04-15]

This is ready for FIX - this should be routed to Vibhor as the first "editor/owner" of the document.

Once the fix (document) is updated, this can be validated by Hector for the IV case.

Comment by Daniel Smith C [2024-03-28]

This is a typographical error, those addresses should:

A) not be "public IP" in the IANA sense. While these are routable CIDRs, they are routable private CIDRs in the context of a operators private network (Private as outlined in terms of IPV4 10.x.x.x/8, 172.16.x.x/16, 192.168.0.0/16 for example).

B) The Networks that are required should fit into the VIP Range for those outlined in the updated LLD.

Will ensure the documentation is updated.

[UCC_PLM-1] SWGW ticket access for PCx and CNOM

Created: 2024-02-07 Updated: 2025-04-24 Resolved: 2025-04-24

Status:	Done
Project:	UCC_PLM
Component/s:	None
Affects Version/s:	None
Fix Version/s:	None

Type:	Bug	Priority:	Low
Reporter:	Mats Persson	Assignee:	Unassigned
Resolution:	Closed	Votes:	0
Labels:	None		
Remaining Estimate:	0h		
Time Spent:	20h		
Original Estimate:	20h		

Issue Links:	Dependent is depended on by UCCSUPPORT-9 Relates relates to UCCPOC-46 Exemptions & special handling needed ... relates to UCCPOC-33 SWGW ticket access for MA and CU - EN... Sprint: UCC Sprint 5, UCC Sprint 6 Severity_qmt: 3- Medium Requirement Status: UCC Appliance 0.2.1 - UNCOVERED	Answered Resolved Resolved
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Description

Issues with MA/CU access to certain SWGW tickets as products not generally available for all MA/CUs. Following tickets from UCC SW installation guide ([1/1531-HSC 901 198/1](#)) can not be accessed by MANA for the AT&T NBC PoC.

- CNOM ([T-149910](#))

- PCx 1.12 ([T-150585](#))

MANA is for the AT&T case using Target Group: AT&T Government Solutions (967595).

DEFINITION OF DONE:

- ensure that for the coming ATT (MARCH RELEASE) we have the following:
- solid PCX and CNON TICKET LINK
- the ticket is available in at least EAB, CAN and GERMANY EUFTs (could be more - check with @mats)
- ensure that the R2A (or the second version of the release in March) has the correct links embedded ...

Comments

Comment by [Mats Persson](#) [2024-04-30]

Described in UCC PoC Ordering Guide;

<https://ericsson.sharepoint.com/:w/r/sites/UltraCompactCoreUCC/Shared%20Documents/General/PoC%20Reference%20documents/Ericsson%20Ultra%20Compact%20Cor%20Software%20Installation%20Guide.docx?d=we5ca7689da864a5c82ead7fff8e1106d&csf=1&web=1&e=d6NUpF>

+ individual TG approvals tracked in [UCCPOC-46](#)

Comment by [Mats Persson](#) [2024-04-16]

Yes.

The UCC PoC license ordering guide could be included I think. it is a temporary document until we have the real UCC license & SW ordering in place.

<https://ericsson.sharepoint.com/:w/r/sites/UltraCompactCoreUCC/Shared%20Documents/General/PoC%20Reference%20documents/Ericsson%20Ultra%20Compact%20Cor%20Software%20Installation%20Guide.docx?d=we5ca7689da864a5c82ead7fff8e1106d&csf=1&web=1&e=d6NUpF>

Comment by [Daniel Smith C](#) [2024-04-15]

Hello @mats

Question - is there anything for UCC 0.3 (DROP3) that we want to include in the release for licensing?

Updated Doc or process or anything?

D

Comment by [Mats Persson](#) [2024-03-28]

[Daniel Smith C](#): not yet.

I'm chasing both EDN/CNOM, PCx and CCD organizations for resolving the SWGW ticket access issues.

For CCD we have a process in place and has just executed the first round of TG additions (AT&T & BAH).

For END/CNOM we have a process in place and I am awaiting response from END SPM on my request to add AT&T & BAH.

For PCx it's more complicated as "just" adding new TG to the PCx SWGW ticket was not acceptable for the PDU. We have an alternative process agreed and are working on e systems. Hopefully ready next week. This process can be expanded to ordering/getting access also to the UCC SW ticket as well and is a first "PoC" implementation step of ordering procedure.

Status and process is tracked in ticket [UCCPOC-46](#)

Comment by [Daniel Smith C](#) [2024-03-28]

Hey there.

Can we close this @Mats Persson?

Cheers,

D

Comment by [Mats Persson](#) [2024-02-07]

Some observations from mails & discussions:

For CNOM - New ticket pointing to NWD/Network director instead? Note that the present CNOM SWGW ticket expires Mar 23, 2024!

For PCx 1.12 - Current ticket aimed for EP5G and BEWS sales, not BCSS & UCC sales. Change ticket or create new UCC specific ticket?

Comment by [Mats Persson](#) [2024-02-07]

Short-term/workaround solution needed shortly for ongoing engagements.

Final solution is updated SWGW tickets accessible for MAs/CUs.