

OMEC Project



Welcome to the OMEC Community wiki space. All information on this wiki is publicly accessible. If you would like to contribute to this space, you will need an ONF account: <https://wiki.opennetworking.org/signup.action>

Introduction

The **Open Mobile Evolved Core (OMEC)** is a package of seven individual repositories comprising 12 Virtual Network Functions (VNF)- Mobility Management Entity (MME), Home Subscription Server (HSS), Database (DB), Serving Gateway Control (SGWC), Serving Gateway User Plane (SGWU), Packet Gateway Control (PGWC), Packet Gateway User Plane (PGWU), Charge Data Function (CDF), Charge Trigger Function (CTF), Intel® Secure Guard Extensions Dealer In (SGX-DLR-IN), Intel® Secure Guard Extensions Router (SGX Router), Intel® Secure Guard Extensions Dealer Out (SGX-DLR-OUT). The OMEC open source software is a research proof of concept and not intended or tested for production use.

Information about each of the individual repositories can be found here: [OMEC Repositories](#).

Test Plan Matrix

Legend: Y=ON; N=OFF; X=Don't Care

Test Generator	Performance			Make Config file options										Environment			Status			
	UE	TPS	PPS	DP: SIMU_CP	CP: SIMU_CP	STATIC_ ARP	Linux	CP-<UDP> DP	CP <ZMQ TCP> DP	CP <RESTConf >FPC <ZMQ TCP> DP	S11ME	S11	RATING _GRP_ CDR	SGX_CDR	OTPU_SEGDN_IN OTPU_SEGDN_OUT	DP_DDN		Non-Colocated VMs (wo CPU corepinning)	Non-Colocated VMs (with CPU corepinning)	Co-Located Baremetal
ng40	50,000	1,000	900,000	N	N	N	Y	Y	N	N	X	Y	N	N	N	N	X	X	Y	Y
ng40	50,000	1,000	900,000	N	N	Y	N	N	Y	N	X	Y	N	N	N	N	X	X	Y	Y
Polaris	50,000	250	9,230	N	N	Y	N	Y	N	N	Y	Y	N	Y	N	N	Y	N	X	Y
Polaris	50,000	250	9,230	N	N	N	Y	N	Y	N	Y	Y	N	Y	N	N	Y	N	X	Y
il_trafficgen	50,000	10,000	1,500,000	N	Y	Y	N	Y	N	N	X	X	N	Y	N	N	Y	N	X	Y
il_trafficgen	50,000	10,000	2,000,000	N	Y	Y	N	Y	N	N	X	X	N	Y	N	N	N	Y	X	Y

Key People & Communication Channels

The **Technical Steering Team (TST)** for OMEC includes:

- Ouz Sunay, ONF
- Christian Maciocco, Intel
- Manuel Paul, Deutsche Telekom
- Lyle Bertz, Sprint
- Somnath Chakrabarti, Intel
- Doug Eng, AT&T

The mailing list for the TST (open only to TST members) can be accessed here: <https://groups.google.com/a/opennetworking.org/forum/#!forum/omecproject-tst>

Meetings

“OMEC Architecture|Design|Engineering” Weekly meeting

Monday 7am PST:
<https://zoom.us/j/264946232>

Mailing Lists

- **OMEC-Announce:** Mailing List for OMEC Announcements
- **OMEC-Dev:** Mailing List for OMEC Developers
- **OMEC-Discuss:** Mailing List for General Discussion on OMEC (Open to All)

Slack

The OMEC Slack is the best way to get quick answers to your questions. Our team is distributed globally, so someone should be available at all times. If you're an ONF member you can automatically create an account at omecproject.slack.com

Participate

All code for OMEC repositories is stored on [Github](#).

Project Resources

[OMEC Tutorial](#). Feb 15, 2019

[COMAC Tutorial including OMEC from ONF Connect](#) September 2019

We expect all ONF employees, member companies, and participants to abide by our [Code of Conduct](#). If you have any questions or concerns, please notify a member of the ONF team or email conduct@opennetworking.org.



Having trouble getting started? First, reach out to the mailing list or Slack team. If you still have questions or concerns, please email help@opennetworking.org.