

# Configurable platform routes

RMR routes between RIC platform components can be configured using configuration file. These routes need to be placed in the config.yaml of rtmgr helm charts under it/depo. Currently supported routes are shown here.

```
"PlatformRoutes": [
{ 'messagetype': 'RIC_SUB_REQ', 'senderendpoint': 'SUBMAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_SUB_DEL_REQ', 'senderendpoint': 'SUBMAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_SUB_RESP', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'SUBMAN', 'meid': ''},
{ 'messagetype': 'RIC_SUB_DEL_RESP', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'SUBMAN', 'meid': ''},
{ 'messagetype': 'RIC_SUB_FAILURE', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'SUBMAN', 'meid': ''},
{ 'messagetype': 'RIC_SUB_DEL_FAILURE', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'SUBMAN', 'meid': ''},
{ 'messagetype': 'RIC_X2_SETUP_REQ', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_X2_RESET', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_X2_RESET_RESP', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_ENDC_X2_SETUP_REQ', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_ENB_CONF_UPDATE_ACK', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_ENB_CONF_UPDATE_FAILURE', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_ENDC_CONF_UPDATE_ACK', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_ENDC_CONF_UPDATE_FAILURE', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'E2_TERM_INIT', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_X2_SETUP_RESP', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_X2_SETUP_FAILURE', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_X2_RESET', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_X2_RESET_RESP', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_ENDC_X2_SETUP_RESP', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_ENDC_X2_SETUP_FAILURE', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_ENDC_CONF_UPDATE', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_SCTP_CONNECTION_FAILURE', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_ERROR_INDICATION', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_ENB_CONF_UPDATE', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RIC_ENB_LOAD_INFORMATION', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'E2_TERM_KEEP_ALIVE_RESP', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'E2MAN', 'meid': ''},
{ 'messagetype': 'RAN_CONNECTED', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': 'RSM', 'meid': ''},
{ 'messagetype': 'RAN_RESTARTED', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': 'RSM', 'meid': ''},
{ 'messagetype': 'RAN_RECONFIGURED', 'senderendpoint': 'E2MAN', 'subscriptionid': -1, 'endpoint': 'RSM', 'meid': ''},
{ 'messagetype': 'RIC_RES_STATUS_REQ', 'senderendpoint': 'RSM', 'subscriptionid': -1, 'endpoint': '', 'meid': '%meid'},
{ 'messagetype': 'RIC_RES_STATUS_RESP', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'RSM', 'meid': ''},
{ 'messagetype': 'RIC_RES_STATUS_FAILURE', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'RSM', 'meid': ''},
{ 'messagetype': 'A1_POLICY_QUERY', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'A1MEDIATOR', 'meid': ''},
{ 'messagetype': 'A1_POLICY_RESP', 'senderendpoint': '', 'subscriptionid': -1, 'endpoint': 'A1MEDIATOR', 'meid': ''}
]
```

Each line consists of

**messagetype** - Name of the message type that is defined in RMR library. As rtmgr uses Xappframework for importing RMR library, xappframework should import the RMR library.

**senderendpoint/endpoint** - Name of the RMR end point the message is routed to. These should be one of the following,

SUBMAN - Subscription Manager

E2MAN - E2 Manager

A1MEDIATOR - A1 Mediator

RSM - Resource Status Manager

**subscriptionid** - This is configured as '-1' as the static routes doesn't make use of subscription ID.

**meid** - Include this field as '%meid' if the RMR routing needs to make use of meid map.