LocalAreaNetwork

static: get_working_ip_address()

get_ipv4_network()
fill_arp_table()
ip_addresses_on_lan()
netmask_on_this_machine()
ip_address_on_this_machine()
candidate_ip_addresses()

addresses
this.address
other.addresses

Note..
Used ping broadcast to fill table
(2 second delay)

BaseException

MirosApiException

RabbitScout

possible_amqp_urls(...)
make_amqp_url(...)
scout_candidates(...)

urls
addresses
this.url
other.other.urls

PikaTopicProducer

PikaTopicConsumer

MirosNets

static: on_mesh_message_callback
static: on_snoop_spy_message_callback
static: on_snoop_trace_message_callback

transmit()
broadcast_spy()
broadcast_trace()
enable_snoop_spy()
enable_snoop_trace()
start_threads()
stop_threads()
build_mesh_network()
build_snoop_networks()
change_mesh_encryption_key()
change_spy_encryption_key()
change_trace_encryption_key()

name

mesh.encyption_key
mesh.rx_routing_key
mesh.exchange
mesh.on_message_callback
mesh.serializer
mesh.deserializer
mesh.started
mesh.producers
mesh.consumer

snoop.trace.encryption_key
snoop.trace.routing_key
snoop.trace.exchange
snoop.trace.on_message_callback
snoop.trace.started
snoop.trace.producers
snoop.trace.consumer

snoop.spy.encryption_key
snoop.spy.routing_key
snoop.spy.exchange
snoop.spy.on_message_callback
snoop.spy.started
snoop.spy.producers
snoop.trace.consumer

1
1
1
1

```
ao = NetworkedActiveObject(make_name('ao'),
                           rabbit_user='peter',
                           rabbit_password='rabbit',
                           tx_routing_key='heya.man',
                           rx_routing_key='#.man',
                           mesh_encryption_key=b'u3U...')
ao.enable_snoop_trace()
# ao.enable_snoop_spy()
ao.start_at(outer)
```

NetworkedActiveObject

start_at(self, initial_state)

Event Processor

ActiveObject

Factory

NetworkedFactory

start_at(self, initial_state)

Event Processor

MirosNetsInterface

on_network_message(...)
on_network_trace_message(...)
on_network_spy_message(...)
transmit(self, event)
enable_snoop_trace()
enable_snoop_spy()
snoop_scribble(...)

```
fo = NetworkedActiveObject(make_name('ao'),
                           rabbit_user='peter',
                           rabbit_password='rabbit',
                           tx_routing_key='heya.man',
                           rx_routing_key='#.man',
                           mesh_encryption_key=b'u3U...')

# use fo to build your chart

fo.enable_snoop_trace()
# ao.enable_snoop_spy()
fo.start_at(outer)
```

HSM