

**EVALUATE\_HOSTS\_FILE** 

## **ManNetChart** ManNetChart.DEFAULT\_JSON = " **Event Processor** "hosts": [ read\_and\_evaluate\_network\_details entry / if not hasattr(chart, 'manual\_file\_chart'): chart.file\_path = '.miros\_rabbimq\_hosts.json' evaluate network chart.file\_name = os.path.basename(chart.file\_path) entry / chart.manual\_file\_chart = CacheFileChart( chart.candidates = {} file\_path=chart.file\_path, default\_json=ManNetChart.DEFAULT\_JSON) for host\_address in chart.hosts: each scout will produce chart.subscribe(Event(signal=signals.CACHE)) chart.candidates[host\_address] = \ an AMQP\_CONSUMER\_CHECK event chart.subscribe(Event(signal=signals.AMQP\_CONSUMER\_CHECK)) RecceNode(searched=False, and will be destroyed after use chart.publish(Event(signals.CACHE\_FILE\_READ)) result=False scout=RabbitConsumerScoutChart( network\_evaluated / host\_address, chart.routing\_key, chart.exchange\_name)) payload = ConnectionDiscoveryPayload( ip\_addresses=chart.live\_hosts, AMQP\_CONSUMER\_CHECK as e with payload / amqp\_urls=chart.live\_amqp\_urls, h, result = e.payload.ip\_address, e.payload.result from=chart.name) is\_one\_of\_my\_hosts = h in chart.hosts chart.publish( is\_my\_routing\_key = e.payload.routing\_key is chart.routing\_key Event(signal=signals.CONNECTION\_DISCOVERY, payload=payload) is\_my\_exchange\_name = e.payload.exchange\_name is chart.exchange\_name if is\_one\_of\_my\_hosts and is\_my\_routing\_key and is\_my\_exchange\_name: / CacheReadPayload = \ chart.candidates[h] = RecceNode(searched=True, result=result, scout=None) namedtuple('CacheReadPayload', if result: ['dict', 'last\_modified', 'created\_at', 'expired', 'file\_name']) chart.live\_hosts.append(h) RecceNode chart.live\_amqp\_urls.append(chart.make\_amqp\_url(h)) namedtuple( 'RecceNode', ['searched', 'result', 'scout']) CACHE as e: \ chart.dead hosts.append(h) [e.payload.file\_name == chart.file\_name] chart.hosts = e.payload.dict['hosts'] chart.dead\_amqp\_urls.append(h) search\_complete = all([node.searched for node in chart.candidates.values()]) if search\_complete: chart.post\_fifo(Event(signals.network\_evaluated)) ConnectionDiscoveryPayload = \ namedtuple('ConnectionDiscoveryPayload', ['hosts', 'amqp\_urls', 'dispatcher']) CACHE / {}

CONNECTION\_DISCOVERY(<ConnectionDiscoveryPayload>)