

## PacketContainer

```
-_mempool : rte_mempool*  
-_entrance_port : uint16_t  
-_exit_port : uint16_t  
-_nb_pkts_polled : uint16_t  
-_nb_pkts_total : uint16_t  
-_nb_pkt_arrays : int  
-_nb_pkts_dropped : int  
-_mbuf_arrs : struct rte_mbuf*  
-_pkt_info_arrs : PacketInfo*  
-_pkt_handler : NetworkPacketHandler*
```

```
+PacketContainer()  
+PacketContainer(pkt_handler : NetworkPacketHandler*, mbuf_pool : struct rte_mempool *mbuf_pool, entrance_port : uint16_t, exit_port : uint16_t)  
+poll_packets(nb_pkts_polled : uint16_t&) : void  
+send_packets() : void  
+drop_packets(index : int) : void  
+take_packet(index : int) : PacketInfo*  
+add_packet(pkt_info : PacketInfo*) : int  
+get_packet_at_index(index : int) : PacketInfo*  
+get_empty_packet(pkt_type : PacketType) : PacketInfo*  
+get_empty_packet() : PacketInfo*  
+get_number_of_polled_packets() : uint16_t  
#reorder_mbuf_arrays(reordered_mbuf_arrs : struct rte_mbuf[][]*, nb_pkts_reorderes_arr : int&)  
#calculate_array_coordinates_from_index(index : int, i : int, j : int)  
#calculat_index_from_array_coordinates(i : int, j : int, index : int&)  
#empty_container() : void  
#extract_header_info() : void  
#fill_info(mbuf : rte_mbuf*, pkt_inf : PacketInfo*) : void
```