OVS收包到卸载函数分析

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```
|----dp_netdev_process_rxq_port
    |----cycle_timer_start
```

```
|----dp_netdev_input__ //由逻辑上送五元组开关
    |----dfc_processing
        |----miniflow_extract((pmd, packets, keys,.....)
        //keys里面填充了包的所有压缩信息
        |----emc_lookup
        |----smc_lookup_batch
        //如果查到了流表直接进行卸载，并根据keys填充缺失项
    |----fast_path_processing(pmd, packets, missed_keys)
        |----dp_netdev_pmd_lookup_dpcls
        |----handle_packet_upcall
            |----dp_netdev_upcall
            |----dp_packet_batch_init_packet
            |----dp_netdev_execute_actions
            //如果dpcls无此流表则需要卸载
            |----dp_netdev_flow_add(*pmd,*match,*ufid,*actions)
                 //查询dpcls是否存在，不存在创建dpcls插入pmd->classifiers
                 |----cls = dp_netdev_pmd_find_dpcls(pmd, in_port);
                 //flow的dpcls rule 插入，根据掩码找到相应的子表，然后插入当前的流表
                 |----dpcls_insert(cls, &flow->cr, &mask);
                 /*flow插入pmd->flow_table 存储所有pmd flow，flow节点挂链*/
                 |----cmap_insert(&pmd->flow_table, ...,(&flow->ufid));
                 //流表卸载主流程
                 |----queue_netdev_flow_put
                     |----dp_netdev_append_flow_offload
                          //由offload线程轮询触发 流表卸载流程
                          |----dp_netdev_flow_offload_put
                              |----netdev_flow_put
                                |----.flow_put =
netdev_offload_dpdk_flow_put
                                     |----netdev_offload_dpdk_flow_put
                                         //解析key action后调用rte_flow_add到
厂商驱动
                                         |----netdev_offload_dpdk_add_flow
                                          //解析match中的匹配项
                                          //并调用add_flow_pattern添加到
pattern中
                                           |----parse_flow_match
            |----smc_insert //只是插入ufid对应的index
            |----emc_probabilistic_insert
        |----smc_insert
        |----emc_probabilistic_insert
        //1、根据missed_keys填充缺失项
```

```
        //2、下发PMD卸载精确流表
        //3、 datapath不改变 仍为掩码形式
    |----packet_batch_per_flow_execute

```