35 Slide & Open Flow 1.0 - Flow Touble I the second concept is flow tuble. - We currendy study the flow temble. - So, the Flow table lies actually at the core of the definition of un OF switch and we also depict a very generic Flow terble here. -here you can see, a Flow Table Consists of How entries, in this case we have like entry on up to entry m. - A Flow entry will consist of header fields, some countels and some actions. - And this actions are associated with the entoiles. - The header fields are actually used is a matching criteria to determine if an incoming packet matches this entry, if a match exists then the packet belongs to this flow. -on the other side, the counter, oscil ment they are used to track Statistical properties related to the Flow.

Juch as, how many packets have been convarded, how many packets have been december, how many packets have been december, how many packets are sent to the Contestoller and things like that.

-while the actions, they describe what the switch should do with the packet after matching this entry.

-cend teuble)

- These are the three basic elements,

the neader fields, the counters and the actions. performed.

(39: 37)

The official First version was 1.0. -) And it was released in dec , 2009 -1 It is like a Initial release of OF 31st slide X Some concepts of OF 1.0 -) Posts and Post Queues. ANOW we are going to see, what is inside the posts Milce we have Post 1, Post 2,3 up to N. -) Post here actually correspond to a physical post not always the case but it corresponds to a physical pold. -> And this concept is expended in Subsequent releases of the OF for many years. -1 Sophistianted switches have supposted multiple queues per physical post and these queues are generally served by scheduling algorithms that allow the perovisioning of different anality of service level for different types of padcets.

Now OF embruces this concept and (2)
permit a flow to be mapped to an already defined quere and output post. - Now you don't have queaues only in the incoming post, you do have quality of service a provisioning queues available at the outgoing posts as - If we look back at this picture, the output of a padeet on [Post N] has been zoomed here on sight side.

- hence if we zoom this position, this [Post N] here, we revent, what we How on this output post, we can see Action boxes, we can see diff queques and the packet being processed to Q1 here. - If you see at a broader level, you will see that the paquet has just been forwarded to [Post N]. But inside that posit ave have diff queues. Close queues). And the packet based on the QoS, it has been assigned to the first

Jueaue.

Lithe supposed for Qos is very busic in this version 1.0.

-And this suppost is actually expanded in the later versions but for us the impostant is that we have posts which correspond to physical posts and we do have queues defined inside those posts for providing different types of packets.