

L2 AND EF FARM STATUS FOR TRIGGER PRESENTER

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DESY ZEUTHEN



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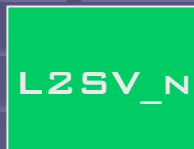
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1. INTRODUCTION



FARM STATUS:
INFORMATION FROM
IS
FOR L2 AND EF

2. L2



INFORMATION FOR L2_SEGMENT_N (SEGMENT):

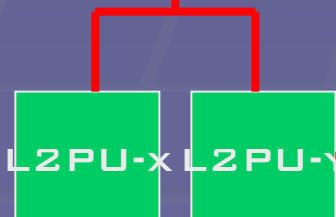
$\sum L2_SEGMENT_N_M$ (CPU, MEMORY)

$\sum L2_SEGMENT_N_M$ AND L2SV (ERRORS)

RATE TAKE FROM L2SV DIRECTLY

"ITERATE" OVER IS SERVERS CONTAINING

DF_L2_SEGMENT_N_M_ISS.L2PU-No TO FIND SUB-SEGMENTS



INFORMATION L2_SEGMENT_N_M (SUBSEGMENT):

READ OUT CPU, MEMORU, RATE, ERRORS

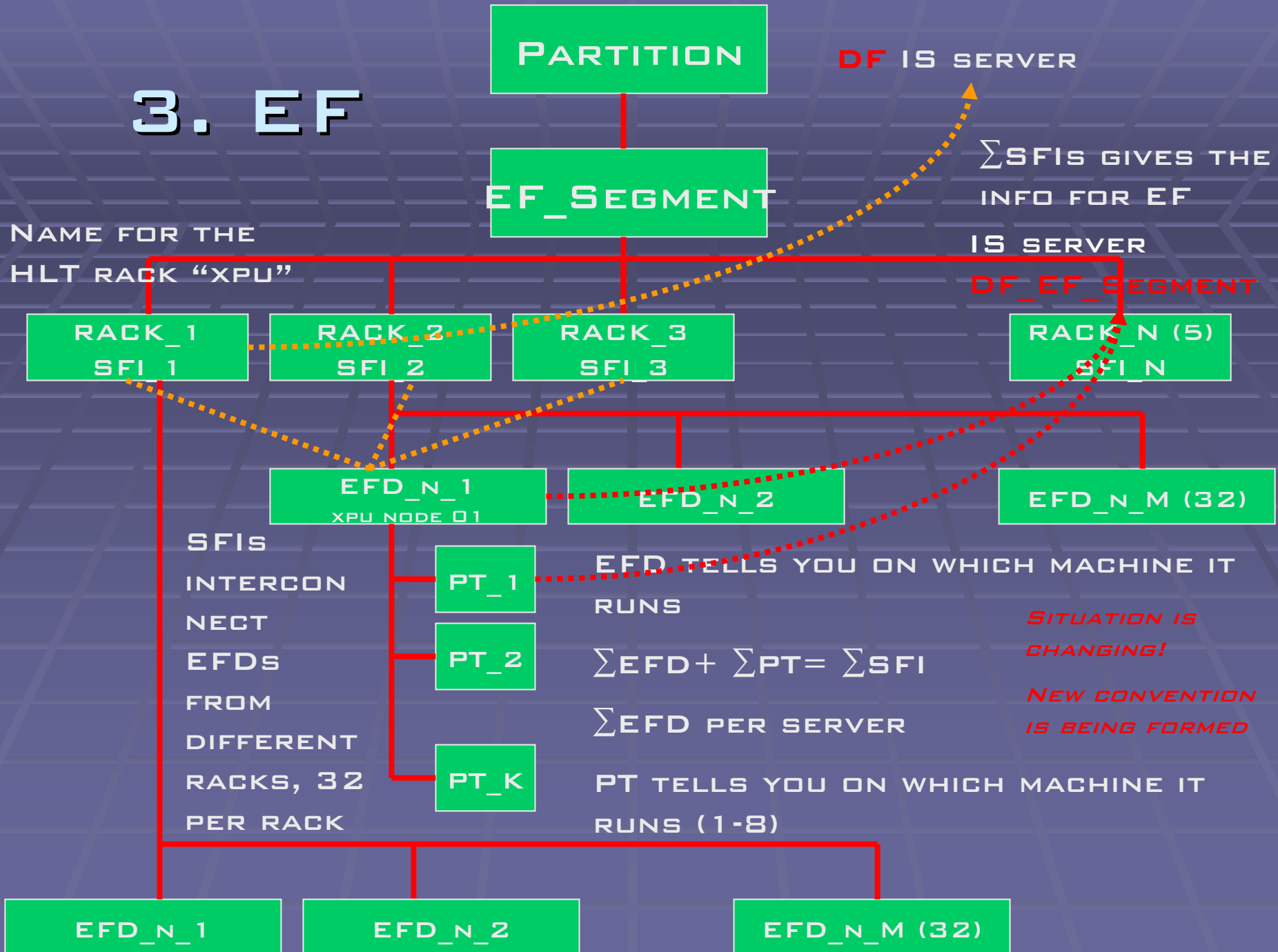
(COMPLETE MATCHING NOT POSSIBLE YET)

- READING OUT THE L2 STRUCTURE
 - ITERATE OVER IS SERVERS AND FIND ALL **CONTAINING**
DF_L2_SEGMENT_N_M_ISS.L2PU-No TO FIND ALL SERVERS
WHERE SUBSEGMENTS ARE PUBLISHING INFORMATION
 - GROUP THE L2_SEGMENT STRUCTURE BY DF_L2_SEGMENT_N
 - LOOK FOR L2SV_N IN **DF** SERVER AND MATCH IT TO
DF_L2_SEGMENT_N
 - (IN ONE IS SERVER DF_L2_SEGMENT_N_M_ISS.L2PU-No ITERATE
OVER ALL L2PUS (CAN SUM OVER ALL AND GET THE RATE
INFORMATION) - LATER, NOT IN THE FIRST SETUP)

- READING OUT THE RELEVANT VALUES FROM OBJECTS (ROUGHLY):
 - L2PU - LVL2INTERVALRATE - FOR L2PU ONLY
 - PROC - INTERVALCPU - FOR FARMS
TOTALVIRTUALSIZE
 - L2SV - INTERVALEVENTRATE - FOR FARMS
ERRORS (GREEN 0, YELLO 1, RED >1)

THIS CAN BE FOUND IN DFCONFIGURATION/SCHEMA/DC_IS_INFO.XML

3. EF

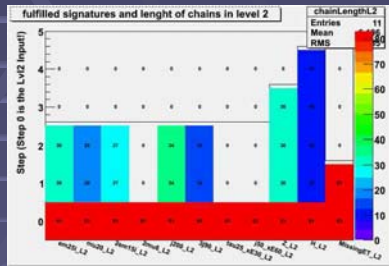


- READING OUT THE EF STRUCTURE
 - LOOK FOR SFI_N IN **DF** TO FIND THE NUMBER OF SFIs
(CAN SUM UP AND GET THE RATE INFORMATION FOR THE EF)
 - ITERATE OVER IS SERVERS AND FIND ALL **CONTAINING**
DF_EF_SEGMENT_N_M.ISS TO FIND ALL SERVERS WHERE RACKS
(EF SUBFARMS) ARE PUBLISHING INFORMATION
 - IN ONE IS SERVER LOCATE THE EFDs BY NAME CONTAINING "XPU"
(ONE MACHINE = EFD)
 - ON THE SAME IS SERVER ITERATE TO FIND ALL PTs
 - MAP WHICH PTs BELONG TO WHICH EFDs (BY STRING/IN .XML FILE ,
UNDER DISCUSSION)
 - (IN ONE IS SERVER DF_EF_SEGMENT_N_M.ISS ITERATE OVER ALL
EFDs AND PTs, SUM UP AND GET THE RATE INFORMATION $\sum EFD +$
 $\sum PT = \sum SFI$)

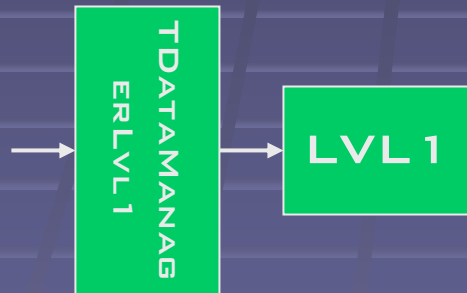
- READING OUT THE RELEVANT VALUES FROM OBJECTS (ROUGHLY):
 - SFI – RUNAVERAGEEOERATE (END OF EVENT)
ACTUALMONITOREDEVENTRATE
 - PROC - INTERVALCPU - FOR SFI FROM DF IS SERVER
TOTALVIRTUALSIZE

- THIS CAN BE FOUND IN DFCONFIGURATION/SCHEMA/DC_IS_INFO.XML

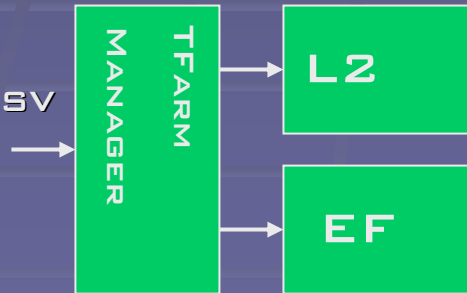
4. IMPLEMENTATION



IS OBJECTS:
LB
TRIGCONFITEMS

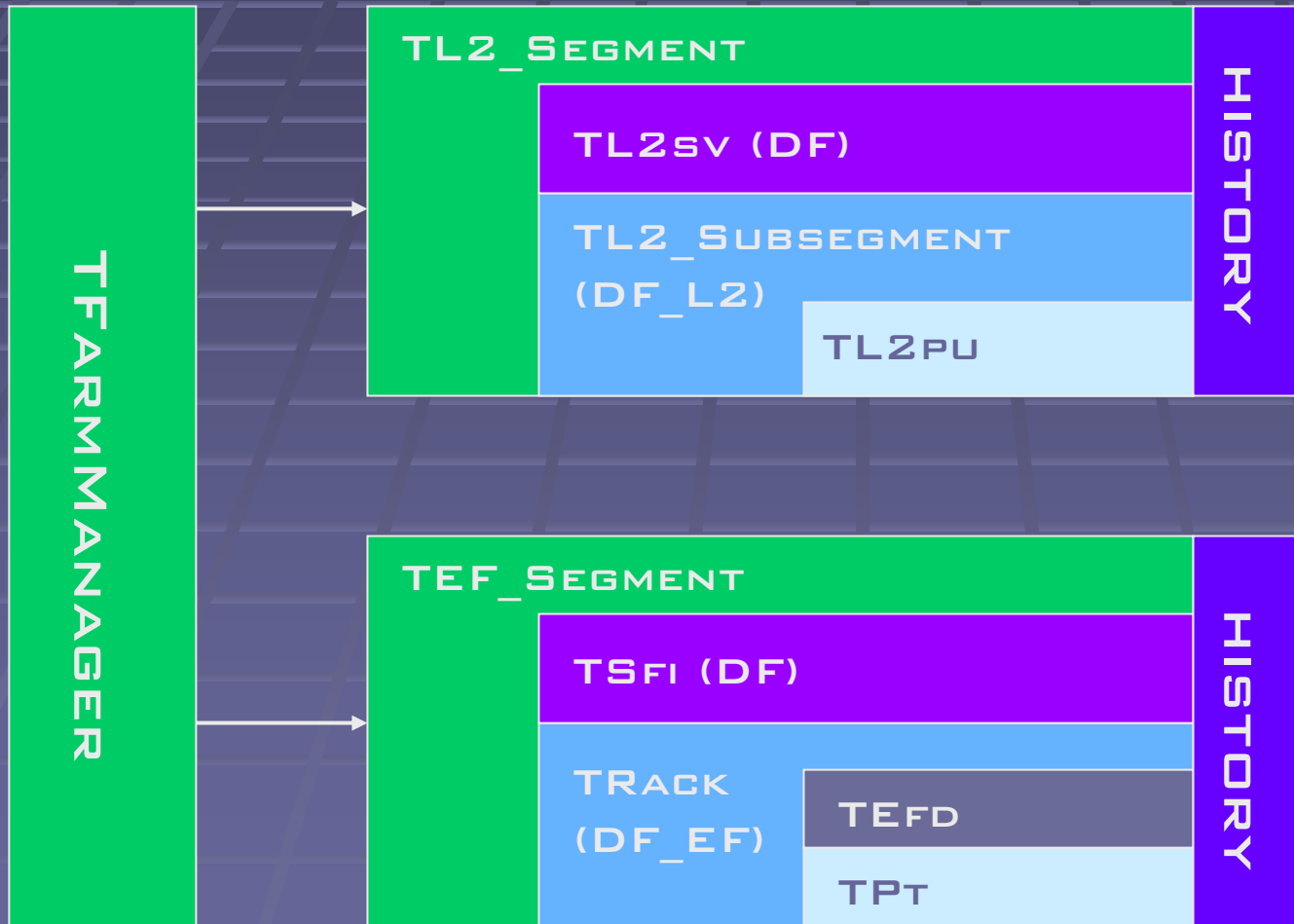


IS OBJECTS:
L2:PROC L2PU L2SV
EF:PROC SFI





TFARMDATA



5. OVERVIEW

- CURRENTLY BEING IMPLEMENTED:
 - L2 FARM STATUS & GUI
 - EF FARM STATUS & GUI
- IN FUTURE RECEIVING OH HISTOGRAM FROM OMD/DQM WITH COLOR INFORMATION
- NEXT TO BE IMPLEMENTED:
 - CTP (CHRISTIANE)
 - MATSTERKEY (TELLS WHICH TRIGGER MENU IS BEING USED)
 - RUNINFO (WHICH HLT, ETC.)