with dy as

(

select 'Monday' as dy, 1 as dyNum

union select 'Tuesday', 2

union select 'Wednesday', 3

union select 'Thursday', 4

union select 'Friday', 5

union select 'Saturday', 6

union select 'Sunday', 0

),

hr as

(

 select 0 as hr

 union all

 select hr+1 from hr

 where hr<23

)

select

d.dy as dayofwk,

format(h.hr, '00') as hr, max(dt) LastDatAccessedThisHr,

isnull(sum(total) / (select datediff(dy, min(mo\_date), getdate())/7 from dxmod), 0) AvgChangesThisHour,

isnull(sum(total), 0) as totalChangesThisHour,

sum(case when dt between getdate()-60 and getdate() then total else 0 end) as Last60Days

from dy d

join hr h

on 1=1

left join

(

 select dt, dy, dayofwk, hr, sum(total) as total from

 (

 select 'mod' as src, mo\_date as dt, datepart(dw, mo\_date) as dy, datename(dw, mo\_date) as dayofwk, left(mo\_time, 2) as hr, count(\*) as total from dxmod

 where mo\_id > (select max(mo\_id) from dxmod where mo\_date<=getdate()-90)

 group by mo\_date, datepart(dw, mo\_date), datename(dw, mo\_date), left(mo\_time, 2)

 union all

 select 'log' as src, lo\_date, datepart(dw, lo\_date) as dy, datename(dw, lo\_date) as dayofwk, left(lo\_time, 2) as hr, count(\*) from dxlog

 where lo\_id > (select max(lo\_id) from dxlog where lo\_date<=getdate()-90)

 group by lo\_date,datepart(dw, lo\_date), datename(dw, lo\_date), left(lo\_time, 2)

 ) a

 group by dt, dy, dayofwk, hr

) a

on d.dy=a.dayofwk and h.hr=a.hr

group by d.dy, dyNum, dayofwk, h.hr

order by d.dyNum, 2