

Aktivitätenbezogene Auswertungen

Anzahl an erstellten, beendeten und offenen Aktivitäten je Prozessdefinition

```
SELECT inst.definitionname AS Prozess,
COUNT(DISTINCT(act1.id)) AS "Anzahl erstellte Aktivitäten",
COUNT(DISTINCT(act2.id)) AS "Anzahl beendete Aktivitäten",
COUNT(DISTINCT(act3.id)) AS "Anzahl offene Aktivitäten"
FROM view_activity act1 INNER JOIN view_instance inst ON
act1.instanceid=inst.id AND act1.START IS NOT NULL AND TYPE IN ("K","S")
LEFT JOIN view_activity act2 ON act1.id=act2.id AND act2.END IS NOT NULL
LEFT JOIN view_activity act3 ON act1.id=act3.id AND act3.end IS NULL AND
act3.start IS NOT NULL
GROUP BY Prozess
```

Anzahl an erstellten, beendeten und offenen Aktivitäten einer bestimmten Prozessdefinition

```
SELECT defName AS Prozess,
COUNT(ended) AS "Anzahl erstellte Aktivitäten",
SUM(ended) AS "Anzahl beendete Aktivitäten", (SELECT
COUNT(DISTINCT(task.id))
FROM view_task task INNER JOIN view_instance inst ON task.instanceid =
inst.id
INNER JOIN view_activity act ON act.instanceid = inst.id
WHERE task.isopen IS TRUE AND act.END IS NULL AND inst.END IS NULL AND
inst.archiv IS FALSE
AND inst.definitionname = defName) AS "Anzahl offene Aktivitäten" FROM
(SELECT inst.definitionname AS defname, IF(act.END IS NULL,0,1) AS ended
FROM view_activity act
INNER JOIN view_instance inst ON inst.id=act.instanceid
WHERE TYPE IN ("K","S") AND START IS NOT NULL AND inst.definitionname= "Name
der Prozessdefinition") AS subQu
```

Durchschnittliche Zeit (in hh:mm:ss) von Erstellung bis Erledigung von allen Aktivitäten (egal von welcher Prozessdefinition und auch außerhalb der Arbeitszeit)

```
SELECT IF((FLOOR(sekunden))<60,
concat(IF((FLOOR(sekunden))<10,"00:00:0","00:00:"),(FLOOR(sekunden))),
IF((FLOOR(sekunden))>3600,
CAST(concat(h,IF(FLOOR((FLOOR(sekunden)- h*3600-
sek)/60)<10,":0",":"),FLOOR((FLOOR(sekunden)- h*3600-
sek)/60),IF(sek<10,":0",":"),sek) AS CHAR),
concat(IF(FLOOR(sekunden/60)<10,"00:0","00:"),FLOOR(sekunden/60),IF(FLOOR(sek
k)<10,":0",":"),FLOOR(sek))
```

```
)
) AS "Durchschnittliche Liegezeit von Aktivitäten" FROM (SELECT
FLOOR(avg((unix_timestamp(END) - unix_timestamp(START)))) AS sekunden,
FLOOR(avg((unix_timestamp(END) - unix_timestamp(START)))%60) AS sek,
FLOOR(avg((unix_timestamp(END) - unix_timestamp(START)))/3600) AS h FROM
view_activity
WHERE START IS NOT NULL AND END IS NOT NULL AND TYPE IN ("K","S")) AS dusub
```

Durchschnittliche Zeit (in hh:mm:ss) von Erstellung bis Erledigung von allen Aktivitäten je Monat (egal von welcher Prozessdefinition und auch außerhalb der Arbeitszeit) je Monat

```
SELECT Monat, IF((FLOOR(sekunden))<60,
concat(IF((FLOOR(sekunden))<10,"00:00:0","00:00:"),(FLOOR(sekunden))),
IF((FLOOR(sekunden))>3600,
CAST(concat(h,IF(FLOOR((FLOOR(sekunden)- h*3600-
sek)/60)<10,":0",":"),FLOOR((FLOOR(sekunden)- h*3600-
sek)/60),IF(sek<10,":0",":"),sek) AS CHAR),
concat(IF(FLOOR(sekunden/60)<10,"00:0","00:"),FLOOR(sekunden/60),IF(FLOOR(sek)<10,":0",":"),FLOOR(sek))
)
) AS "Durchschnittliche Liegezeit von Aktivitäten" FROM
(SELECT concat(SUBSTRING(monthname(START),1,3),"
",SUBSTRING(CAST(YEAR(START) AS CHAR),3,2)) AS Monat,
FLOOR(avg((unix_timestamp(END) - unix_timestamp(START)))) AS sekunden,
FLOOR(avg((unix_timestamp(END) - unix_timestamp(START)))%60) AS sek,
FLOOR(avg((unix_timestamp(END) - unix_timestamp(START)))/3600) AS h FROM
view_activity WHERE END IS NOT NULL
AND START IS NOT NULL AND TYPE IN ("K","S") GROUP BY Monat ORDER BY
YEAR(START) DESC, MONTH(START) DESC) AS dusub
```

Durchschnittliche Zeit (in hh:mm:ss) von Erstellung bis Erledigung von allen Aktivitäten je Monat ohne Ausreißer (von allen Prozessdefinitionen und auch außerhalb der Arbeitszeit)

```
SELECT Monat, IF((FLOOR(sekunden))<60,
concat(IF((FLOOR(sekunden))<10,"00:00:0","00:00:"),(FLOOR(sekunden))),
IF((FLOOR(sekunden))>3600,
CAST(concat(h,IF(FLOOR((FLOOR(sekunden)- h*3600-
sek)/60)<10,":0",":"),FLOOR((FLOOR(sekunden)- h*3600-
sek)/60),IF(sek<10,":0",":"),sek) AS CHAR),
concat(IF(FLOOR(sekunden/60)<10,"00:0","00:"),FLOOR(sekunden/60),IF(FLOOR(sek)<10,":0",":"),FLOOR(sek))
)
) AS "Durchschnittliche Liegezeit von Aktivitäten" FROM
(SELECT concat(SUBSTRING(monthname(START),1,3),"
```

```

",SUBSTRING(CAST(YEAR(START) AS CHAR),3,2)) AS Monat,
FLOOR(avg((unix_timestamp(END) - unix_timestamp(START)))) AS sekunden,
FLOOR(avg((unix_timestamp(END) - unix_timestamp(START))%60) AS sek,
FLOOR(avg((unix_timestamp(END) - unix_timestamp(START)))/3600) AS h FROM
view_activity
WHERE START IS NOT NULL AND END IS NOT NULL AND TYPE IN ("K","S") AND
CAST(FLOOR((unix_timestamp(END) - unix_timestamp(START))) AS DECIMAL(10,10))
< 10000 GROUP BY YEAR(START) DESC, MONTH(START) DESC) AS dusub

```

Durchschnittliche, minimale und maximale Durchlaufzeit aller Aktivitäten einer bestimmten Prozessdefinition (in hh:mm:ss)

```

SELECT name AS Aktivität,
IF((FLOOR(avgSekunden))<60,
concat(IF((FLOOR(avgSekunden))<10,"00:00:0","00:00:"),(FLOOR(avgSekunden))),
IF((FLOOR(avgSekunden))>3600,
CAST(concat(avgH,IF(FLOOR((FLOOR(avgSekunden)- avgH*3600-
avgSek)/60)<10,":0",":"),FLOOR((FLOOR(avgSekunden)- avgH*3600-
avgSek)/60),IF(avgSek<10,":0",":"),avgSek) AS CHAR),
concat(IF(FLOOR(avgSekunden/60)<10,"00:0","00:"),FLOOR(avgSekunden/60),IF(FLOOR(avgSek)<10,":0",":"),FLOOR(avgSek))
)
)AS "Durchschnittliche Durchlaufzeit",
IF((FLOOR(minSekunden))<60,
concat(IF((FLOOR(minSekunden))<10,"00:00:0","00:00:"),(FLOOR(minSekunden))),
IF((FLOOR(minSekunden))>3600,
CAST(concat(minH,IF(FLOOR((FLOOR(minSekunden)- minH*3600-
minSek)/60)<10,":0",":"),FLOOR((FLOOR(minSekunden)- minH*3600-
minSek)/60),IF(minSek<10,":0",":"),minSek) AS CHAR),
concat(IF(FLOOR(minSekunden/60)<10,"00:0","00:"),FLOOR(minSekunden/60),IF(FLOOR(minSek)<10,":0",":"),FLOOR(minSek))
)
)AS "Minimale Durchlaufzeit",
IF((FLOOR(maxSekunden))<60,
concat(IF((FLOOR(maxSekunden))<10,"00:00:0","00:00:"),(FLOOR(maxSekunden))),
IF((FLOOR(maxSekunden))>3600,
CAST(concat(maxH,IF(FLOOR((FLOOR(maxSekunden)- maxH*3600-
maxSek)/60)<10,":0",":"),FLOOR((FLOOR(maxSekunden)- maxH*3600-
maxSek)/60),IF(maxSek<10,":0",":"),maxSek) AS CHAR),
concat(IF(FLOOR(maxSekunden/60)<10,"00:0","00:"),FLOOR(maxSekunden/60),IF(FLOOR(maxSek)<10,":0",":"),FLOOR(maxSek))
)
)AS "Maximale Durchlaufzeit"

FROM
(SELECT activity.name AS name, definitionname AS defName,
FLOOR(MIN((unix_timestamp(activity.END) - unix_timestamp(activity.START))))
AS minSekunden,
FLOOR(MIN((unix_timestamp(activity.END) -

```

```
unix_timestamp(activity.START)))%60) AS minSek,  
FLOOR(MIN((unix_timestamp(activity.END) -  
unix_timestamp(activity.START))/3600)) AS minH,  
FLOOR(MAX((unix_timestamp(activity.END) - unix_timestamp(activity.START))))  
AS maxSekunden,  
FLOOR(MAX((unix_timestamp(activity.END) -  
unix_timestamp(activity.START)))%60) AS maxSek,  
FLOOR(MAX((unix_timestamp(activity.END) -  
unix_timestamp(activity.START))/3600)) AS maxH,  
FLOOR(avg((unix_timestamp(activity.END) - unix_timestamp(activity.START))))  
AS avgSekunden,  
FLOOR(avg((unix_timestamp(activity.END) -  
unix_timestamp(activity.START)))%60) AS avgSek,  
FLOOR(avg((unix_timestamp(activity.END) -  
unix_timestamp(activity.START))/3600)) AS avgH,  
(unix_timestamp(activity.END)-unix_timestamp(activity.START)) AS datediff  
FROM view_activity activity INNER JOIN view_instance inst ON  
activity.instanceId=inst.id  
WHERE activity.END IS NOT NULL AND activity.START IS NOT NULL AND  
activity.TYPE IN ("K","S") AND definitionname = "Name der Prozessdefinition"  
GROUP BY activity.name  
) AS datediffsub  
WHERE datediff > 0  
GROUP BY name
```

Durchschnittliche, minimale und maximale Durchlaufzeit aller Aktivitäten einer bestimmten Prozessdefinition (in h)

```
SELECT activity.name AS Aktivität,  
CAST((MIN((unix_timestamp(activity.END) -  
unix_timestamp(activity.START))/3600)) AS DECIMAL(10,1)) AS "Minimale  
Durchlaufzeit",  
CAST((AVG((unix_timestamp(activity.END) -  
unix_timestamp(activity.START))/3600)) AS DECIMAL(10,1)) AS  
"Durchschnittliche Durchlaufzeit",  
CAST((MAX((unix_timestamp(activity.END) -  
unix_timestamp(activity.START))/3600)) AS DECIMAL(10,1)) AS "Maximale  
Durchlaufzeit"  
FROM  
view_activity activity INNER JOIN view_instance inst ON  
activity.instanceId=inst.id AND activity.TYPE IN ("K","S") AND  
activity.END IS NOT NULL AND activity.START IS NOT NULL WHERE  
(unix_timestamp(activity.END)-unix_timestamp(activity.START)) > 0  
AND definitionname = "Name der Prozessdefinition"  
GROUP BY activity.name
```

Durchschnittliche, minimale und maximale Durchlaufzeit aller Aktivitäten einer bestimmten Prozessdefinition (in h) je Monat

```
SELECT concat(SUBSTRING(monthname(activity.START),1,3), "  
",SUBSTRING(CAST(YEAR(activity.START) AS CHAR),3,2)) AS Monat, activity.name  
AS Aktivität,  
CAST((MIN((unix_timestamp(activity.END) -  
unix_timestamp(activity.START))/3600)) AS DECIMAL(10,1)) AS "Minimale  
Durchlaufzeit",  
CAST((AVG((unix_timestamp(activity.END) -  
unix_timestamp(activity.START))/3600) AS DECIMAL(10,1)) AS  
"Durchschnittliche Durchlaufzeit",  
CAST((MAX((unix_timestamp(activity.END) -  
unix_timestamp(activity.START))/3600)) AS DECIMAL(10,1)) AS "Maximale  
Durchlaufzeit"  
FROM  
view_activity activity INNER JOIN view_instance inst ON  
activity.instanceId=inst.id AND activity.TYPE IN ("K","S") AND  
activity.END IS NOT NULL AND activity.START IS NOT NULL WHERE  
(unix_timestamp(activity.END)-unix_timestamp(activity.START)) > 0  
AND definitionname = "Name der Prozessdefinition"  
GROUP BY YEAR(activity.START), MONTH(activity.START) DESC, activity.name
```

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