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T!M Database Views

In order to effectively work with the Dashboard, appropriate views have to be generated. These views allow for the information from T!M to be used in a quick and easy way. The corresponding sections can be added to the MySQL Client by using copy-paste functions (Crtl + Enter). The script file may also be downloaded and then executed via the MySQL Server.

tim_views.sql

```sql
CREATE DEFINER=`root`@`localhost` FUNCTION `currentClient`() RETURNS
INT(11)
    NO SQL
    DETERMINISTIC
RETURN @currentClient;



CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_activity` AS SELECT
`ni`.`ID_` AS `id`,
`ni`.`NAME_` AS `name`,
`ni`.`client_ID_` AS `clientId`,
`ni`.`CREATION_TIME_` AS `creationTime`,
`ni`.`creationUser_ID_` AS `creationUserId`,
`ni`.`processInstance_ID_` AS `instanceId`,
`ni`.`realStart` AS `start`,
`ni`.`realEnd` AS `end`,
`ni`.`loopCount` AS `loopCount`,
`ni`.`duration` AS `duration`,
`ni`.`escalationTime` AS `escalationTime`,
`ni`.`estimatedEnd` AS `estimatedEnd`,
`ni`.`desiredStart` AS `milestone`,
`ni`.`desiredStartTime` AS `milestoneDate`,
`ni`.`inTime` AS `inTime`,
`ni`.`puffer` AS `timeBuffer`,
`ni`.`calFAZ` AS `calculatedEST`,
`ni`.`calFEZ` AS `calculatedEFT`,
`ni`.`calSAZ` AS `calculatedLST`,
`ni`.`calSEZ` AS `calculatedLFT`,
`ni`.`numFAZ` AS `valueEST`,
`ni`.`numFEZ` AS `valueEFT`,
`ni`.`numSAZ` AS `valueLST`,
`ni`.`numSEZ` AS `valueLFT` ,
`node`.`CLASS_` AS `type`
FROM ((`LOOM_NODEINSTANCE` `ni` JOIN `LOOM_NODE` `node` ON
(`ni`.`node_ID_` = `node`.`ID_`))) WHERE (`ni`.`client_ID_` =
```

```sql
`currentClient`());




CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_definition` AS SELECT
`LOOM_PROCESSDEFINITION`.`ID_` AS `id`,
`LOOM_PROCESSDEFINITION`.`NAME_` AS `name`,
`LOOM_PROCESSDEFINITION`.`CLIENT_` AS `clientId`,
`LOOM_PROCESSDEFINITION`.`CREATION_TIME_` AS `creationTime`,
`LOOM_PROCESSDEFINITION`.`CREATION_USER_` AS `creationUserId`,
`LOOM_PROCESSDEFINITION`.`DESCRIPTION_` AS `description`,
`LOOM_PROCESSDEFINITION`.`VERSION_` AS `version`,
`LOOM_PROCESSDEFINITION`.`ESCALATIONSTATUS_` AS `escalationStatus`,
`LOOM_PROCESSDEFINITION`.`OWNER_EXPRESSION_` AS `owner`,
`LOOM_PROCESSDEFINITION`.`STARTER_EXPRESSION_` AS `starter`,
`LOOM_PROCESSDEFINITION`.`DEPLOYER_EXPRESSION_` AS `deployer` ,
`LOOM_PROCESSDEFINITION`.`ARCHIV_` AS `archived`
FROM `LOOM_PROCESSDEFINITION` WHERE (`LOOM_PROCESSDEFINITION`.`CLIENT_`
= `currentClient`());




CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_effort` AS SELECT
`eff`.`ID_` AS `id`,
`eff`.`NAME_` AS `name`,
`eff`.`client_ID_` AS `clientId`,
`eff`.`CREATION_TIME_` AS `creationTime`,
`eff`.`creationUser_ID_` AS `creationUserId`,
`eff`.`CLASS` AS `effortType`,
`eff`.`effort` AS `value`,
`eff`.`description` AS `description`,
`eff`.`costCenter_ID_` AS `costCenterId`,
`ti`.`PROCINST_` AS `instanceId`,
`eff`.`parentFolder_ID_` AS `parentFolderId`
FROM (`LOOM_EFFORT` `eff` JOIN `LOOM_TASKINSTANCE` `ti`
ON((`eff`.`parentFolder_ID_` = `ti`.`PARENT_FOLDER_`)))
WHERE (`eff`.`client_ID_` = `currentClient`());




CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_identity` AS SELECT
`LOOM_IDENTITY`.`ID_` AS `id`,
`LOOM_IDENTITY`.`NAME_` AS `name`,
concat(`LOOM_IDENTITY`.`namelast`,' ',`LOOM_IDENTITY`.`namefirst`,'
```

```sql
(',`LOOM_IDENTITY`.`NAME_`,')') AS `displayName`,
`LOOM_IDENTITY`.`client_ID_` AS `clientId`,
`LOOM_IDENTITY`.`CREATION_TIME_` AS `creationTime`,
`LOOM_IDENTITY`.`creationUser_ID_` AS `creationUserId`,
`LOOM_IDENTITY`.`CLASS` AS `identityType`,
`LOOM_IDENTITY`.`email` AS `email`,
`LOOM_IDENTITY`.`namefirst` AS `firstname`,
`LOOM_IDENTITY`.`namelast` AS `lastname` ,
`LOOM_IDENTITY`.`ARCHIV_` AS `archived` ,
`LOOM_IDENTITY`.`blocked` AS `blocked` ,
`LOOM_IDENTITY`.`parent_ID_` AS `parentID`
FROM `LOOM_IDENTITY` WHERE (`LOOM_IDENTITY`.`client_ID_` =
`currentClient`());


CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_instance` AS SELECT
`pi`.`ID_` AS `id`,
`pi`.`NAME_` AS `name`,
`pd`.`NAME_` AS `definitionName`,
`pi`.`CLIENT_` AS `clientId`,
`pi`.`CREATION_TIME_` AS `creationTime`,
`pi`.`key_` AS `key`,
`pi`.`CREATION_USER_` AS `creationUserId`,
`pi`.`PROCESSDEFINITION_` AS `definitionId`,
`pi`.`DESCRIPTION_` AS `instanceDescription`,
`pi`.`CREATION_GROUP_` AS `creationGroup`,
`pi`.`END_` AS `end`,
`pi`.`ARCHIV_` AS `archiv`,
`pi`.`ARCHIVATIONUSER_ID_` AS `archivationUserId`,
`pi`.`ROOTTOKEN_` AS `rootToken`,
`pi`.`SUPERPROCESSTOKEN_` AS `parentProcessToken`,
`pi`.`NEXT_ESCALATIONTIME_` AS `nextEscalationTime`,
`pi`.`processVariableIndex_ID_` AS `processVariableIndexId`,
`pi`.`inTime` AS `inTime`,
`pvi`.`field1` AS `index1`,
`pvi`.`value1` AS `value1`,
`pvi`.`field2` AS `index2`,
`pvi`.`value2` AS `value2`,
`pvi`.`field3` AS `index3`,
`pvi`.`value3` AS `value3`,
`pvi`.`field4` AS `index4`,
`pvi`.`value4` AS `value4`,
`pvi`.`field5` AS `index5`,
`pvi`.`value5` AS `value5`,
`pvi`.`field6` AS `index6`,
`pvi`.`value6` AS `value6`,
`pvi`.`field7` AS `index7`,
`pvi`.`value7` AS `value7`,
```

```sql
`pvi`.`field8` AS `index8`,
`pvi`.`value8` AS `value8`,
`pvi`.`field9` AS `index9`,
`pvi`.`value9` AS `value9`,
`pvi`.`field10` AS `index10`,
`pvi`.`value10` AS `value10`
FROM (((`LOOM_PROCESSINSTANCE` `pi` JOIN `LOOM_PROCESSVARIABLEINDEX`
`pvi` ON (`pi`.`processVariableIndex_ID_` = `pvi`.`ID_`))) JOIN
`LOOM_PROCESSDEFINITION` `pd` ON((`pi`.`PROCESSDEFINITION_` =
`pd`.`ID_`)))
WHERE (`pi`.`CLIENT_` = `currentClient`());



CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_swimlane` AS SELECT
`LOOM_SWIMLANEINSTANCE`.`ID_` AS `id`,
`LOOM_SWIMLANEINSTANCE`.`NAME_` AS `name`,
`LOOM_SWIMLANEINSTANCE`.`CLIENT_` AS `clientId`,
`LOOM_SWIMLANEINSTANCE`.`PROCINST_` AS `instanceId`,
`LOOM_SWIMLANEINSTANCE`.`ACTOR_` AS `actor`,
`LOOM_SWIMLANEINSTANCE`.`POOLEDACTOR_` AS `pooledActor`
FROM `LOOM_SWIMLANEINSTANCE` WHERE (`LOOM_SWIMLANEINSTANCE`.`CLIENT_` =
`currentClient`());



CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_task` AS SELECT
`ti`.`ID_` AS `id`,
`ti`.`NAME_` AS `name`,
`ti`.`CLIENT_` AS `clientId`,
`ti`.`CREATION_TIME_` AS `creationTime`,
`ti`.`CREATION_USER_` AS `creationUserId`,
`ti`.`PROCINST_` AS `instanceId`,
`ti`.`DESCRIPTION_` AS `description`,
`ti`.`START_` AS `start`,
`ti`.`END_` AS `end`,
`ti`.`ISOPEN_` AS `isOpen`,
`ti`.`SWIMLANINSTANCE_` AS `swimlaneId`,
`ti`.`ACTOR_` AS `actor`,
`ti`.`POOLEDACTOR_` AS `pooledActor`,
`ti`.`NODEINSTANCE_` AS `activity`,
`ta`.`ISADHOC_` AS `isAdhoc`,
`ti`.`PARENT_FOLDER_` AS `parentFolderId`,
`ti`.`archiv_` AS `archiv`
FROM (`LOOM_TASKINSTANCE` `ti` JOIN `LOOM_TASK` `ta` ON((`ti`.`TASK_` =
```

```sql
`ta`.`ID_`))) WHERE (`ti`.`CLIENT_` = `currentClient`());


CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_token` AS SELECT
`tok`.`ID_` AS `id`,
`tok`.`NAME_` AS `name`,
`pi`.`CLIENT_` AS `clientId`,
`tok`.`NODEINSTANCE_` AS `nodeInstance`,
`tok`.`PROCESSINSTANCE_` AS `instanceId`,
`tok`.`PARENT_` AS `parent`
FROM (`LOOM_TOKEN` `tok` JOIN `LOOM_PROCESSINSTANCE` `pi`
ON((`tok`.`PROCESSINSTANCE_` = `pi`.`ID_`))) WHERE (`pi`.`CLIENT_` =
`currentClient`());


CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_variable` AS SELECT
`vi`.`ID_` AS `id`,
`vi`.`NAME_` AS `name`,
`pi`.`CLIENT_` AS `clientId`,
`vi`.`PROCESSINSTANCE_` AS `instanceId`,
`vi`.`Stringvalue_` AS `stringvalue`,
`vi`.`label_` AS `label`
FROM (`LOOM_VARIABLEINSTANCE` `vi` JOIN `LOOM_PROCESSINSTANCE` `pi`
ON((`vi`.`PROCESSINSTANCE_` = `pi`.`ID_`))) WHERE (`pi`.`CLIENT_` =
`currentClient`());

CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_role` AS SELECT
`LOOM_IDENTITY_ID_` AS `identityId`,
`ROLE_ID_` AS `roleId`
FROM `MN_IDENTITY_ROLE`;

CREATE ALGORITHM=UNDEFINED DEFINER=`root`@`localhost` SQL SECURITY
DEFINER VIEW `view_systemconfiguration` AS SELECT
`LOOM_SYSTEMCONFIGURATION`.`ID_` AS `id`,
`LOOM_SYSTEMCONFIGURATION`.`NAME_` AS `name`,
`LOOM_SYSTEMCONFIGURATION`.`CREATION_TIME_` AS `creationTime`,
`LOOM_SYSTEMCONFIGURATION`.`LAST_MODIFICATION_TIME_` AS
`lastModificationTime`,
`LOOM_SYSTEMCONFIGURATION`.`ignoreLDAPAuthentification` AS
`ignoreLDAPAuthentification`,
`LOOM_SYSTEMCONFIGURATION`.`notifyAsignee` AS `notifyAsignee`,
`LOOM_SYSTEMCONFIGURATION`.`notifyByMail` AS `notifyByMail`,
`LOOM_SYSTEMCONFIGURATION`.`costCenter` AS `costCenter`,
`LOOM_SYSTEMCONFIGURATION`.`department` AS `department`,
```
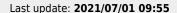
```
`LOOM_SYSTEMCONFIGURATION`.`personnelNumber` AS `personnelNumber`,
`LOOM_SYSTEMCONFIGURATION`.`phoneNumber` AS `phoneNumber`,
`LOOM_SYSTEMCONFIGURATION`.`tableRowCount` AS `tableRowCount`,
`LOOM_SYSTEMCONFIGURATION`.`timezoneOffset` AS `timezoneOffset`,
`LOOM_SYSTEMCONFIGURATION`.`client_ID_` AS `client_ID_`,
`LOOM_SYSTEMCONFIGURATION`.`lastModificationUser_ID_` AS
`lastModificationUserId`,
`LOOM_SYSTEMCONFIGURATION`.`parentFolder_ID_` AS `parentFolderId`,
`LOOM_SYSTEMCONFIGURATION`.`defaultRepresentative_ID_` AS
`defaultRepresentativeId`,
`LOOM_SYSTEMCONFIGURATION`.`departmentChief_ID_` AS
`departmentChiefId`,
`LOOM_SYSTEMCONFIGURATION`.`supervisor_ID_` AS `supervisorId`,
`LOOM_SYSTEMCONFIGURATION`.`companyId` AS `companyId`,
`LOOM_SYSTEMCONFIGURATION`.`companyName` AS `companyName`,
`LOOM_SYSTEMCONFIGURATION`.`country` AS `country`
FROM `LOOM_SYSTEMCONFIGURATION` WHERE
(`LOOM_SYSTEMCONFIGURATION`.`client_ID_` = `currentClient`());
```

As soon these views have been created they can be used by the described T!M table structure and analyzed using the Dashboard.