

# 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 (Ctrl + Enter). The script file may also be downloaded and then executed via the MySQL Server.

[tim\\_views.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`.`remainingTime` AS `remainingTime`,
`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_` =
`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`,`
`,`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`,
`LOOM_IDENTITY`.`user_ID` AS `userID`,
`LOOM_IDENTITY`.`userProfile_ID` AS `userProfileId`
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`,
`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` LEFT 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`.`SWIMLANEINSTANCE` 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` =
`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`.`ignoreLDAPAuthentication` AS
`ignoreLDAPAuthentication`,
`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`());

CREATE ALGORITHM = UNDEFINED DEFINER = `root`@`localhost` SQL SECURITY
DEFINER VIEW `view_costcenter` AS
SELECT
`psp`.`ID` AS `id`,
`psp`.`client_ID` AS `clientId`,
`psp`.`CREATION_TIME` AS `creationTime`,
`psp`.`creationUser_ID` AS `creationUserId`,
`psp`.`identifier` AS `name`,
`psp`.`description` AS `description`,
`psp`.`hourly` AS `hourly`,
`psp`.`currency` AS `currency`
FROM
(`LOOM_COSTCENTER` `psp`)
WHERE
(`psp`.`client_ID` = CURRENTCLIENT());
```

As soon these views have been created they can be used by the described [TIM table structure](#) and analyzed using the [Dashboard](#).

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