TM1 / PLANNING ANALYTICS FILE CODE CHEAT SHEET

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About this document

This cheat sheet is intended to serve as a reference document for the IDs/codes used in TM1 / Planning Analytics files like TurboIntegrator processes, chores, views and subsets.
It focuses on the meaning of the codes rather than giving a full overview of all the possible combinations.

The cheat sheet is aimed at TM1 / Planning Analytics administrators and developers, not normal users. Use this information gathered here with caution.
Adjusting the files of your TM1 system externally may result in inoperativity of the system.

On the next pages you will see the codes split into the 4 main file types. Each page is structured identically. The tables will show the ID found in the respective file, the name of this function,
the datatype of the setting, an example and a comment of mine.

Since the codes are not officially documented otherwise, some of the information was gathered by testing, experimenting and interpretation.
If you know, think or feel that information given here is incorrect, non-sufficient or otherwise faulty, please feel free to contact me, so I can update the document regularly for everyones benefit.

Contents

ID	Name	Parameter	Example	Comment
601	ProcessFileVersionNumber	[pos. integer]	601,100	The setting is 100 per default.
602	ProcessName	["string"]	602,"test"	The name of the process.
562	ProcessDataSourceType	NULL VIEW ODBC CHARACTERDELIMITED SUBSET POSITIONDELIMITED ODBOMDXQUERY	562,CHARACTERDELIMITED	Datatype of the process.
586	ProcessDataSourceNameForServer	["string"]	586,"d:\import\Data\importfile.csv"	Data source name. Can be a file name, cube, dimension, ODBC interface, etc. Can be blank for NULL source.
585	ProcessDataSourceNameForClient	["string"]	585,"\\tm1dev\import\Data\importfile.csv"	Same as ProcessDataSourceNameForServer. Usually here there is a difference in the filename due to the path. Can be blank for NULL source.
564	ProcessDataSourceUsername	[string]	564,	Username for the data-source. Often set blank.
565	ProcessDataSourcePassword	["string"] (encrypted)	565,"fluwP`aWt]=Bpwy99?k^>mDc`;Uf7K2F88=96..."	Encrypted password for data-source. Will change each time the process is saved.
559	ProcessODBCInterfaceUsesUnicode	0=no 1=yes	559,1	Setting to determine if the ODBC interface uses unicode.
928	ProcessTargetActiveSandbox	0=no 1=yes	928,0	Determines if the process is targeted to an active sandbox.
593	ProcessDataSourceODBOProvider	[string]	593,	Setting for ODBO TM1 OLE provider. Only filled if source-type is ODBO_MDXQUERY. Blank for all other source types.
594	ProcessDataSourceODBOLocatioN	[string]	594,	Setting for ODBO position. Only filled if source-type is ODBO_MDXQUERY. Blank for all other source types.
595	ProcessDataSourceODBOCatalog	[string]	595,	Setting for ODBO catalog. Only filled if source-type is ODBO_MDXQUERY. Blank for all other source types.
597	ProcessDataSourceODBOSAPClientID	[string]	597,	Setting for ODBO SAP client ID. Only filled if source-type is ODBO_MDXQUERY. Blank for all other source types.
598	ProcessDataSourceODBOSAPClientLanguage	[string]	598,	Setting for ODBO SAP client language. Only filled if source-type is ODBO_MDXQUERY. Blank for all other source types.
596	ProcessDataSourceODBOConnectionString	[string]	596,	Setting for ODBO connection string. Only filled if source-type is ODBO_MDXQUERY. Blank for all other source types.
800	ProcessDataSourceODBOHierarchyName	[string]	800	Setting for ODBO hierarchy name. Only filled if source-type is ODBO_MDXQUERY. Blank for all other source types.
801	ProcessDataSourceODBOCubeName	[string]	801	Setting for ODBO cube name. Only filled if source-type is ODBO_MDXQUERY. Blank for all other source types.
566	ProcessDataSourceQuery	[amount of lines] + [string]	566,1 Select * from [Sheet1$]	SQL/ODBC query string. First enter amount of lines the string will have, secondly enter the string on the succeeding rows. Blank for non query based sources.
567	ProcessDataSourceASCIIDelimiter	["string"]	567,";"	In case of CHARACTERDELIMITED or POSITIONDELIMITED, delimiter will be shown here.
588	ProcessDataSourceASCIIDecimalSeparator	["string"]	588,","	In case of CHARACTERDELIMITED or POSITIONDELIMITED, decimal separator will be shown here.
589	ProcessDataSourceASCIIThousandSeparator	["string"]	589,"."	In case of CHARACTERDELIMITED or POSITIONDELIMITED, thousand separator will be shown here.
568	ProcessDataSourceASCIIQuoteCharacter	["string"]	568,""""	In case of CHARACTERDELIMITED or POSITIONDELIMITED, quote character will be shown here.
570	ProcessDataSourceCubeView	[string]	570,View1	If a VIEW is the source of the data of the process, we will see the name of the view here. Otherwise it is blank.
571	ProcessDataSourceDimensionSubset	[string]	571,Subset1	If a SUBSET is the source of the data of the process, we will see the name of the subset here. Otherwise it is blank.
569	ProcessDataSourceASCIIHeaderRecords	[pos. integer]	569,1	Amount of header records in a CHARACTERDELIMITED or POSITIONDELIMITED source. Otherwise it is set to 0.
592	ProcessOnMinorErrorDoItemSkip	0=no 1=yes	592,1	Setting to do an item skip on minor errors.
599	ProcessMinorErrorLogFileMax	[pos. integer]	599,1000	Setting to determine maximum error log file. Default is set to 1000.
560	ProcessParametersNames	[amount of lines] + [string]	560,2 psHorizon psYear	Amount and names of parameters of the process. If there are no parameters the amount will be a 0.
561	ProcessParametersTypes	[amount of lines] + 1=numeric / 2=string	561,2 2 2	Amount of parameters and types of parameters in the succeeding lines. If there are no parameters the amount will be a 0.
590	ProcessParametersDefaultValues	[amount of lines] + [string],["string"]	590,2 psHorizon,"PLAN" psYear,"2023"	Amount of parameters and in the succeeding rows the parameter name, followed by the parameter default in "".
637	ProcessParametersPromptStrings	[amount of lines] + [string],["string"]	637,2 psHorizon,"Enter the horizon" psYear,"Enter the year"	Amount of parameters followed by the parameters and prompt strings in "" in the succeeding rows.
577	ProcessVariablesNames	[amount of lines] + [string]	577,3 vsV1 vsV2 vsV3	Amount of variables of the datasource and names in the succeeding rows. If there are no variables the amount will be a 0. In processes that have a CUBE or VIEW as the data-source, we will also see a NVALUE, SVALUE and VALUE_IS_STRING underneath our variables.
578	ProcessVariablesTypes	[amount of lines] + 1=numeric / 2=string	578,3 2 2 2	Amount of variables of the datasource, succeeded by the variable types of each variable. If there are no variables the amount will be a 0.
579	ProcessVariabesPositions	[amount of lines] + [pos. integer]	579,3 1 0 2	Amount of variables of the datasource and position (order) of each variable. If there are no variables the amount will be a 0. The order only applies to non-ignored variables. Ignored variables have the order 0.
580	ProcessVariablesStartingBytes	[amount of lines] + [pos. integer]	580,3 1 45 68	When you cut variables in the POSITIONDELIMITED type, this section here will show the position. First the amount of cut-positions. The cut-positions of the -used- variables are then shown in the succeeding lines.
581	ProcessVariablesEndingBytes	[amount of lines] + [pos. integer]	581,3 21 57 79	When you cut variables in the POSITIONDELIMITED type, this section here will show the ending positions of the unused variables. First we see the amount of the cut-positions and in the succeeding lines we see the cut-positions themselves.
582	ProcessVariablesUIData	[string]	582,5	This is most possibly the most complicated part of the process definition, because here certain settings of the cube and dimension assignments

ID	Name	Parameter	Example	Comment
			VarType=32 ColType=825 VarDimension=…	will be stored.
			IgnoredInputVarName=vsV2 IgnoredInputVarStartByte=22	The main idea is to save information for each variable and how to process it. We see at least information of VarType and ColType.
			IgnoredInputVarEndByte=44 VarType=32 ColType=1165	VarType 32=String,33=Numeric, ColType 827=Other,825=Element,826=Data,858=Consolidation,1165=Ignore
			VarType=32 ColType=827	Ignored variables are shown with IgnoredVarName=[variable-name].
			IgnoredInputVarName=vsV4 IgnoredInputVarStartByte=22	I will not go into the assignment settings because this is exhaustive.
			VarType=32 ColType=827	
603	ProcessVariablesUIDataEx	[amount of lines] + [string]	603,1	Will contain additional settings in combination with ID 582
			VarDimActionCode=53 VarElemTypeCode=32 UIDataIndex=0	
572	ProcessPrologProcedure	[amount of lines] + [string]	572,10	This section will contain the main code of the prolog of the TurboIntegrator process.
			…	
573	ProcessMetaDataProcedure	[amount of lines] + [string]	573,10	This section will contain the main code of the metadata of the TurboIntegrator process.
			…	
574	ProcessDataProcedure	[amount of lines] + [string]	574,10	This section will contain the main code of the data of the TurboIntegrator process.
			…	
575	ProcessEpilogProcedure	[amount of lines] + [string]	575,10	This section will contain the main code of the epilog of the TurboIntegrator process.
			…	
576	ProcessUIData	[string]	576,CubeAction=1511 DataAction=1503 CubeLogChanges=0	Contains a couple of handling settings for the process.
930	ProcessUIDataMore	[amount of lines] + [string]	930,0	Can contain additional settings for the handling of the process. Most of the time this one is 0 however.
638	ProcessComplete	0=uncompiled	638,1	Indicates if the process is saved in an uncompiled or compiled state.
		1=compiled		
804	ProcessDataSourceUseCallerProcessConnection	0=no	804,0	Setting for a caller process connection for the datasource. Mostly set to 0.
		1=yes		
1217	ProcessGrantSecurityAccess	0=no	1217,1	Parameter to control if process is granted to change security settings.
		1=yes		
900	ProcessDataSourceSapClientId	[string]	900	This parameter will only be filled, if ODBOMDXQUERY is set as the data-source.
901	ProcessDataSourceSapLanguage	[string]	901	./.
902	ProcessDataSourceSapAddConnParams	[string]	902	./.
938	ProcessDataSourceSapConnectionType	[pos. integer]	938,0	./.
937	ProcessDataSourceSapLogonGroup	[string]	937,	./.
936	ProcessDataSourceSapSystemNumber	[string]	936,	./.
935	ProcessDataSourceSapRouterString	[string]	935,	./.
934	ProcessDataSourceSapCodePage	[string]	934,	./.
932	ProcessDataSourceSapCubeThreadCount	[pos. integer]	932,0	./.
933	ProcessDataSourceSapInfoCubeThreadingCharacteristics	0=no	933,0	./.
		1=yes		
903	ProcessDataSourceSapInfoCubeName	[string]	903	./.
906	ProcessDataSourceSapCharacteristicName	[string]	906	./.
929	ProcessDataSourceTopProcessName	0=no	929,0	./.
		1=yes		
907	ProcessDataSourceSapHierarchyName	[string]	907	./.
908	ProcessDataSourceSapHierarchyVersion	[string]	908	./.
904	ProcessDataSourceSapInfoCubeCharacteristics	0=no	904,0	./.
		1=yes		
905	ProcessDataSourceSapInfoCubeKeyFigures	0=no	905,0	./.
		1=yes		
909	ProcessDataSourceSapCharacteristicAttributes	0=no	909,0	./.
		1=yes		
911	ProcessDataSourceSapUserFilter	[string]	911,	./.
912	ProcessDataSourceSapRoleFilter	[string]	912,	./.
913	ProcessDataSourceSapTableName	[string]	913,	./.
914	ProcessDataSourceSapExchangeType	[string]	914,	./.
915	ProcessDataSourceSapCurrencyFrom	[string]	915,	./.
916	ProcessDataSourceSapCurrencyTo	[string]	916,	./.
917	ProcessDataSourceSapUsingRoleAuths	0=no	917,0	./.
		1=yes		
918	ProcessDataSourceSapUsingTexts	0=no	918,1	./.
		1=yes		
919	ProcessDataSourceSapInfocubeRestrictions	0=no	919,0	./.
		1=yes		
920	ProcessSapPacketSize	[pos. integer]	920,50000	./.
921	ProcessDataSourceSapMaxDateFrom	["string"]	921,""	./.
922	ProcessDataSourceSapMinDateTo	["string"]	922,""	./.
923	ProcessDataSourceSapCharactHierProps	[pos. integer]	923,0	./.
924	ProcessDataSourceSapCharactAttrMaxDateFrom	["string"]	924,""	./.
925	ProcessDataSourceSapCharactAttrMinDateTo	["string"]	925,""	./.
926	ProcessDataSourceSapCharactTextsMaxDateFrom	["string"]	926,""	./.
927	ProcessDataSourceSapCharactTextsMinDateTo	["string"]	927,""	./.

ID	Name	Parameter	Example	Comment
534	ChoreVersion	[pos. integer]	534,10	The setting is 10 per default.
535	ChoreName	["string"]	535,"test"	The name of the chore.
530	ChoreDate	[YYYYMMDDHHmmss]	530,202307311309	The reference date and time of the chore which is used in combination with the frequency from ID 531.
537	ChoreStartTimeSensitiveToDaylightSavingTime	0=no 1=yes	537,0	Determines if the chore uses the local time of the TM1 server.
531	ChoreFrequency	[DDDhhmmss]	531,001000000	Setting for the frequency of the chore.
532	ChoreSteps	[pos. integer]	532,2	Amount of applicable processes.
13			13,16	./.
6	ChoreProcessName	["string"]	6,"load_data"	Name of a process in the chore. The section of processes (IDs 13, 6 and 560) will be repeated by the amount given in ID 532
560	ChoreProcessParametersNames	[amount of lines] + ["string"]	560,2 "PLAN" "2023"	Amount of parameters in first line. In the succeeding lines we will see the parameter entries applicable for this chore.
533	ChoreActive	0=no 1=yes	533,1	Shows if the chore is activated.
1405	ChoreExecutionMode	0=single 1=multiple	1405,0	Single or multiple execution mode of the chore.

ID	Name	Parameter	Example	Comment
389	ViewFileVersion	[pos. integer]	389,100	The setting is 100 per default.
390	ViewName	["string"]	390,"ViewName"	The name of the view.
11	ViewCreationDate	[YYYYMMDDHHmmss]	11,20230728114515	Date and time when the view was last saved.
370	ViewPreConstruct	0=no 1=yes	370,0	Setting if the view gets pre-constructed.
361	ViewExtractSkipCalculatedValues	0=no 1=yes	361,1	Setting if calculated values should be skipped.
362	ViewExtractSkipZeroes	0=no 1=yes	362,1	Setting if zeroes should be skipped.
381	ViewExtractSkipRuleValues	0=no 1=yes	381,1	Setting if rule calculated values should be skipped.
363	ViewViewExtractRealLimitA	[pos. integer]	363,0	Setting for the extraction limit (numerical) A.
364	ViewViewExtractRealLimitB	[pos. integer]	364,0	Setting for the extraction limit (numerical) B.
365	ViewViewExtractStringLimitA	[string]	365,searchterm	Setting for the extraction limit (string) A.
366	ViewViewExtractStringLimitB	[string]	366,	Setting for the extraction limit (string) B.
367	ViewExtractComparison	[pos. integer]	367,4	./.
376	ViewShowAutomatically	0=no 1=yes	376,1	View will automatically be recalculated on opening or element change.
375	ViewFormat	[string]	375,b:#,##0.00CO | 2|	Format of the view.
374	ViewTitleSubsets	[amount]	374,3	Amount of title subsets. This setting will be followed by 7 and/or 6 alongside 270, 274, 275, 281 and 282.
7	ViewDimensionName	[string]	7,Version	Name of the dimension in this section. Can be a title, row or column dimension. The order in the file determines the order of stacking.
6	ViewSubsetName	[string]	6,level_0	Name of the subset in the dimension stated in the ID 7.
270	ViewSubsetElements	[amount] + [string]	270,2 element_1 element_2	If static elements were saved with the subset, the amount of these elements is shown, followed by the dimension elements.
274	ViewSubsetAlias	[string]	274,Caption_Default	Alias of the subset that will be turned on. If no alias is selected, the entry will be blank.
275	ViewSubsetMDXExpression	[string]	275,{[MDX]}	If an MDX-statement is saved with the subset, this parameter will contain the MDX-statement.
281	ViewSubsetExpandAbove	0=no 1=yes	281,0	Subset will be expanded above nodes.
282	ViewSubsetFormatStyle	[string]	282,	Format style of the subset. Similar to ViewFormat.
360	ViewColumnSubsets	[amount] + [string]	360,1	Amount of column subsets. This setting will be followed by 7 and/or 6 alongside 270, 274, 275, 281 and 282. See above.
371	ViewRowSubsets	[amount] + [string]	371,1	Amount of row subsets. This setting will be followed by 7 and/or 6 alongside 270, 274, 275, 281 and 282. See above.
373	ViewTitleElementsPosition	[amount] + [pos. Integer]	373,2 1 2	Positions of selected elements inside the title subset selectors. First the amount of positions is shown and in the succeeding lines the exact positions inside the subsets for each subset.
372	ViewSuppressZeroes	[pos. integer]	372,00	General zero-suppression setting. Will be 00 for no zero-suppression or 11 for row and column suppression. 10 for rows and 01 for columns only.
384	ViewRowSuppressZeroes	0=no 1=yes	384,1	Row zero-suppression.
385	ViewColumnSuppressZeroes	0=no 1=yes	385,0	Column zero-suppression.
377	ViewWindowsRectangleSize	[amount] + [pos. Integer]	377,4 494 494 1287 1025	Window rectangle size will be stored with the view. Usually the amount of the edges is 4 and the size is determined by the succeeding values.
378	ViewMinColumnWidth	[pos. integer]	378,0	Minimum column width of the displayal of the view in cube-viewer.
382	ViewMaxColumnWidth	[pos. integer]	382,255	Maximum column width of the displayal of the view in cube-viewer.
379	ViewSynchronisedDimensions	[amount] + [pos. Integer]	379,5 0 0 0 0 0	Amount of synchronised dimensions. Should normally match the amount of dimensions of the view.
32	?	[pos. integer]	32,6	./.

ID	Name	Parameter	Example	Comment
283	SubsetFileVersionNumber	[pos. integer]	283,100	The setting is 100 per default.
284	SubsetName	["string"]	284,"SubsetName"	The name of the subset.
11	SubsetCreationDate	[YYYYMMDDHHmmss]	11,20230815143000	Date and time when the subset was last saved.
274	SubsetAlias	[string]	274,Caption_Default	Alias of the subset that will be turned on. If no alias is selected, the entry will be blank.
18	?	[pos. integer]	18,0	./.
275	SubsetMDXExpression	[amount of chars] + [string]	275,65 {TM1FILTERBYPATTERN({TM1SUBSETALL([account])}, "TEST*")}	If an MDX-statement is saved with the subset, this parameter will show the amount of characters for the MDX and the MDX in the succeeding row.
278	SubsetIsAllSet	0=no 1=yes	278,1	All elements of the subsets are shown. Usually this setting will not be combined with ID's 275 and 270.
281	SubsetExpandAbove	0=no 1=yes	281,1	Subset will be expanded above nodes (inverse mode).
270	SubsetElements	[amount] + [string]	270,2 TEST1 TEST2	If static elements were saved with the subset, the amount of these elements is shown, followed by the dimension elements.

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