

Prism Error Codes

These codes are displayed as part of an error message when the error resulted from an error return to a PRISM call by Ffenics. The table includes the default error text provided by PRISM, but in some cases Ffenics will provide its own error text instead. This is because Ffenics may know more about the context of the call than the database engine.

DisplayPRISMError() will produce a message with the error code, some context information from Ffenics, and the message text below.

If these messages are displayed by DisplayPRISMError, they have a caption of "Error Message - DPE". (1.51)

To obtain the offset of the default text in the PRISM message file, add 14000 to the DPE code.

PRISM is a multi-purpose database engine that can be used by many products. Internally it uses technically advanced terms are never usually shown in a user-friendly product like Ffenics. The notes should help in understanding the terms without going into full (and unnecessary) detail.

In PRISM, the data definition of a table and the retrieved data from a relation are quite different things.

TableView is a materialised data definition + data (table+relation) for an individual form. It is different to TableView in Ffenics. It incorporates any processing logic generated from the OCL, BRL or DQL scripts which will manipulate data. A Ffenics TableView is a PRISM MultiView viewed in a tabular format.

MultiView is the whole materialised data definition + data + relationships for a given Data Model - It consists of a matrix of TableViews joined by relationships and implementing any filtering selection or sorting criteria. MultiView is the only structure that can be accessed by Ffenics for the manipulation of data.

The **Repository** contains information about the app - what documents it contains, any preferences, and which security options are held when the database is opened

In understanding the following error messages, broadly:

- Document = MultiView,
- Form = table = relation (not Relationship) = TableView,
- Field = column = data connected object,
- Record = tuple = row,
- Expression = field derivation, range check, selection criteria,
- Projection = field, visual object (as output to screen or printer)
- Projected expression = virtual field (a generated field not physically stored)
- Engine = connect = driver = provider.

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General Error Codes

Code Number	Name in PRISM API	PRISM Supplied Error Text
0	DPE_SUCCESS	N/A
1	DPE_FAILURE	Operation Failed
2	DPE_OUT_OF_MEM	General 'out of memory' failure.
3	DPE_WRITE_FAILURE	General write failure.
4	DPE_READ_FAILURE	General read failure.
5	DPE_RESERVED_KEYWORD	Reserved Keyword Violation.

PRISM Initialisation Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text
100	DPE_PR_ALREADY_INITIALIZED	Initialization error - Please insure that the program is installed correctly.
101	DPE_PR_INVALID_HANDLE	Operation failed.
102	DPE_PR_MSG_FAILURE	Error reading message file. Please make sure program is installed correctly.
103	DPE_PR_COPY_HAS_EXPIRED	Expiration date exceeded.

Repository Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text
200	DPE_RP_DUP_NAME	Duplicate application name.
201	DPE_RP_INVAL_NAME	Application name is invalid.
202	DPE_RP_INVAL_PATH	Application path is

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		invalid.
203	DPE_RP_UNAUTH_USER	Unauthorized user.
204	DPE_RP_INVALID_PRISM_HND	Operation failed.
205	DPE_RP_INVALID_PASSWORD	Invalid password.
206	DPE_RP_MAX_DB_EXCEEDED	Too many applications in the directory.
207	DPE_RP_DB_NOT_FOUND	Application not found.
208	DPE_RP_TOO_MANY_USERS	Maximum user limit exceeded.
209	DPE_RP_OTHER_USER_ACTIVE	Another user active on the system.
210	DPE_RP_USER_NAME_NOT_FOUND	User name not found.
211	DPE_RP_INVALID_HANDLE	Operation failed.
212	DPE_RP_SECURITY_ERROR	Security violation.
213	DPE_RP_CHECK_DENAME	Cannot assign unique user ID.
214	DPE_RP_INVALID_VERSION	Repository is not compatible with this version of Ffenics.
215	DPE_RP_APP_IS_LOCKED	Application is locked.

Database Links Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text
220	DPE_RP_INVALID_ENGINE_TYPE	Invalid engine type.
221	DPE_RP_INVALID_SERVER_NAME	Invalid Server name.
222	DPE_RP_INVALID_DATABASE_NAME	Invalid Database name.

MultiView Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text
302	DPE_MV_DOES_NOT_EXIST	Document does not exist.
303	DPE_MV_ADD_SEC_VIOLATION	Security violation, record added.

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304	DPE_MV_MOD_SEC_VIOLATION	Security violation, record not modified.
305	DPE_MV_REQ_VIOLATION	Required field not entered.
306	DPE_MV_RULE_VIOLATION	Field validation error, record not saved.
307	DPE_MV_ILL_BUFFER	Document is invalid.
308	DPE_MV_NOSAVE	Document not saved.
309	DPE_MV_NOCLEAR	Error closing document.
310	DPE_MV_NOSET	Error loading document.
311	DPE_MV_NOT_STARTED	Error –please close and then reopen this document.
312	DPE_MV_ALREADY_STARTED	Document is incompatible with this version of PRISM.
313	DPE_MV_INVALID_VERSION	

TableView Errors

Code Number	Name in PRISM API	PRISM Supplied Error text
400	DPE_TV_INVALID_HANDLE	Invalid form handle.
401	DPE_INVALID_SEL_CONDITION	Selection criteria is invalid.
402	DPE_INVALID_PROJECTID	Unknown field.
403	DPE_UNKRELSHIP	Unknown relationship.
404	DPE_TV_NOT_STARTED	Cannot access data. Please switch to record access mode.
405	DPE_NOSELECTION	Relationship doesn't exist.
406	DPE_TV_ALREADY_GROUP	Cannot group on more than one field at the same

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		level.
407	DPE_NO_SUBFORM_JOIN	Relationship doesn't exist.
408	DPE_NO_GRP_CHILD_SEL	Selection criteria not allowed.

Expression Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text
501	DPE_SYNTAX_ERROR	Syntax error.
502	DPE_OUT_OF_MEMORY	Operation failed.
503	DPE_MSMISSING	Missing operator in formula.
504	DPE_MSINVCON	Invalid constant in expression.
505	DPE_MSNOTVIW	Not authorized to view this form.
506	DPE_MSNOTVWF	Not authorized to view this field. Field no longer exists.
507	DPE_MSFLDNEX	Not authorized to access this field.
508	DPE_MSYOUARE	Not authorized to access this field.
509	DPE_MSVALREQ	Unrecognized key word found in formula.
510	DPE_MSINVALI	Operation failed.
511	DPE_MSLUCILL	Invalid field in the lookup formula.
513	DPE_MISSFIELD	Missing form or field in a lookup.
514	DPE_MSMISQOT	Mismatched quotation mark for a literal.
515	DPE_LIT_TOO_LONG	Table or field name in a lookup is too long.
516	DPE_EXTRA_TEXT	Expression may have extra text or an incorrect operator.
517	DPE_INV_FLD_FOR_SEQ	Invalid field being selected as a sequence field.
518	DPE_INV_VAL_FOR_SEQ	Invalid constant for a Sequence field.
519	DPE_MISSING_FROM	Missing 'from' clause in sequence field derivation.
520	DPE_CANTBIND	

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Run Time Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text
551	DPE_UNKNFLD	Unknown field in a set operator.
552	DPE_UNKRSHP	Unknown relationship encountered while setting up a relationship.

Table Definition Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text
701	DPE_TBL_ALREADY_EXISTS	Table name already exists.
702	DPE_TBL_DUP_NAME	Table name already exists.
703	DPE_TBL_CANNOT_SAVE	Cannot save table.
704	DPE_TBL_CANNOT_CREATE	Cannot create table.
705	DPE_TBL_UNABLE_TO_WRITE	Error writing table definition.
707	DPE_TBL_IN_USE	Table is in use.
709	DPE_TBL_LOCK_FAILED	Lock attempt failed.
710	DPE_TBL_ACCESS_NOT_ALLOWED	Access to table denied.
711	DPE_TBL_NAME_TOO_LONG	Table name must not exceed 50 characters.
712	DPE_TBL_NOT_FOUND	Table not found.
713	DPE_TBL_ALREADY_OPENED	Table already open.
714	DPE_TBL_UNABLE_TO_OPEN	Unable to open table.
715	DPE_TBL_LIMIT_EXCEEDED	Table limit exceeded. Too many tables are open.
716	DPE_TBL_INVALID_HANDLE	Invalid table definition.
717	DPE_TBL_ACCESS_VIOLATION	Table access violation.
718	DPE_TBL_REMOTE_CANNOT_REORG	Cannot reorganize remote table.
719	DPE_TBL_SYSTEM_CANNOT_REORG	Cannot reorganize system table.

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720	DPE_TBL_COPY_IN_USE	Table is in use by another Document.
721	DPE_TBL_NO_DATA_TRANSFER	Data transfer unsuccessful.
722	DPE_TBL_ILLEGAL_SAVE	Table cannot be saved.
731	DPE_TBL_IS_READ_ONLY	Tables in this multiview have read-only access.

Column Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text.
800	DPE_COL_NOT_SUPPORTED	Column not supported.
801	DPE_COL_COLNAME_REQUIRED	Field name is required.
802	DPE_COL_MUST_BE_VIRTUAL	Field must be virtual.
803	DPE_RCOL_DOES_NOT_EXIST	Remote column does not exist. Column may have been deleted.
804	DPE_RCOL_INVALID_NAME	Invalid remote column name.
805	DPE_COL_TYPE_REQUIRED	Field type is required.
806	DPE_COL_INVALID_LENGTH	Invalid field length.
807	DPE_COL_INVALID_HANDLE	Unknown field.
808	DPE_COL_CHOICE_REQUIRED	Missing choice list for this field.
809	DPE_COL_NO_DERIVATION	Derivation formula doesn't exist.
810	DPE_COL_EXP_REQUIRED	Missing derivation formula for this field.
811	DPE_COL_NO_RULE	Validation formula doesn't exist.
812	DPE_COL_RULE_REQUIRED	Missing validation formula for this field.
813	DPE_COL_NOT_FOUND	Field not found.
814	DPE_COL_IS_DELETED	Field has been deleted.
815	DPE_COL_INVALID_TYPE	Invalid field type.

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816	DPE_COL_NO_CHOICE_LIST	Field does not have a choice list.
817	DPE_COL_CHANGE_NOT_ALLOWED	Changes not allowed in field.
818	DPE_COL_INVALID_FORMAT	Invalid field format.
819	DPE_COL_HELP_REQUIRED	Help required for this field.
820	DPE_COL_NO_HELP	No help available for this field.
821	DPE_COL_FORMAT_REQUIRED	Format required for field.
822	DPE_COL_NO_FORMAT	Field does not have a format.
823	DPE_COL_ALREADY_EXISTS	Field already exists.
824	DPE_COL_LIMIT_REACHED	Maximum number of columns per table has been reached.
825	DPE_COL_LIMIT_REACHED1	Maximum number of columns per table has been reached. Save the form and try again.

Row Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text
901	DPE_ROW	Record not found.
902	DPE_ROW_IN_USE	Record in use by another user.
903	DPE_ROW_UNCHANGED	Record not modified.
904	DPE_ROW_MODIFIED_SINCE_READ	Record modified since it was read.
1100	DPE_USER_SKIPPED	

Field Errors

Code Number	Name in PRISM API	PRISM Supplied Error Text
1000	DPE_INVALID_FIELD_DATA	Data is invalid for this field.
1001	DPE_FIELD_IS_NOT_COLUMN	Field is not a column.

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1002	DPE_NO_DEFAULT	Field has no default value.
1003	DPE_UNK_FIELD	Unknown field.
1004	DPE_INTERNAL_PROJECTION	Field is an internal projection.
1005	DPE_FIELD_ACCESS_VIOLATION	Field security access violation.
1006	DPE_KEYFIELD_CANT_CHANGE	Unable to change key field.
1007	DPE_TV_SELECTION_FOUND	Unable to set field selection.