VCL2FMXConverter v7.0 Atlas

Rules and Mapping Reference

Conversion rules, component mappings, properties and events

Delphi VCL to FireMonkey conversion

Last changed October 18, 2026

V7 Atlas documentation

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Purpose

This reference consolidates the v7.0 rules, component map, property map, and event map into one document placed at the docs root. It reflects the current converter source, mapping-pack set, and v7.0 contract additions.

[v7.0 contract baseline] The current v7.0 suite contains 227 executable expectations.

[v7.0 reporting rule update] Report rules now separate actionable issue totals from informational and dry-run notices. Manual-review report groups show an expansion prompt so affected locations and recommended fixes are easier to find.

Reference surface	Current count
Built-in component mappings	77
Built-in property rows	71
Built-in event rows	27
Mapping-pack rules	493
Contract expectations	227

v7.0 Rule Families

Rule family	v7.0 behavior
Contract-first development	Structural behavior should have a sample Delphi input, expected output/report behavior, and a regression guard.
Include analysis	Analyze and report Pascal include directives, nested includes, recursive loops, outside-tree paths, conditionals, comments, and UTF-8 content while preserving original include directives.
Windows messaging	Detect real message APIs and message declarations by category; report unsafe behavior; ignore comments, strings, user methods, and unrelated identifiers.
Uses cleanup	Remove unused VCL/Winapi units, including protected/conditional cases such as Vcl.Themes; add Windows/System.Messaging units only when generated active code requires them.
GDI drawing	Convert reliable GDI drawing patterns to FMX canvas calls where covered; still report visual review for drawing behavior that needs human verification.
DFM/FMXL generation	Preserve collection-style string properties, emit TStringGrid events before generated columns, and write FMX as UTF-8 with BOM.
Companion files	Copy source-local include files and source-root runtime companions without searching build-output folders for ambiguous duplicates.
Mapping packs	Load 22 JSON packs, validate actions, report loaded packs and usage, and keep third-party handling visible rather than hidden.

Contract Areas

Area	Expectation count
colors	15
comments_and_boundaries	20
components_and_events	19
data_aware	8
dfm_pairs	7
encoding	4
graphics	7
include_analysis	11
livebindings	6
project_files	5
project_integration	5
reporting	4
third_party	3
uses_clause	21
winapi_messages	40

Component Map Summary

Mapping type	Count
Direct	36
Substitute	33
Unmapped	8

VCL class	FMX target	Mapping	Confidence	Notes
TForm	TForm	Direct	100	Root forms are converted through dedicated parser rules; this row keeps form properties and events explicit in the mapping matrix.
TFrame	TFrame	Direct	95	FMX frames are available and should be treated as first-class matrix entries.
TButton	TButton	Direct	100	

VCL class	FMX target	Mapping	Confidence	Notes
TEdit	TEdit	Direct	100	
TMaskEdit	TEdit	Substitute	80	Use FMX TEdit and review EditMask behavior manually.
TLabel	TLabel	Direct	100	
TStaticText	TLabel	Substitute	90	Static text converts cleanly to an FMX label.
TPanel	TPanel	Direct	95	Preserve visual FMX panel semantics for container controls
TGroupBox	TGroupBox	Direct	95	Preserve visual FMX group box semantics and caption handling
TFlowPanel	TFlowLayout	Substitute	85	Use FMX TFlowLayout as the closest standard flow container.
TGridPanel	TGridPanelLayout	Substitute	85	Use FMX TGridPanelLayout as the closest standard grid layout container.
TCheckBox	TCheckBox	Direct	100	
TRadioButton	TRadioButton	Direct	100	
TListBox	TListBox	Direct	90	Item objects need conversion
TCheckListBox	TListBox	Substitute	70	Use FMX TListBox and review checked-item behavior manually.
TDBListBox	TListBox	Substitute	60	Use LiveBindings with FMX TListBox and review lookup/list-source behavior manually.
TComboBox	TComboBox	Direct	90	
TNumberBox	TNumberBox	Direct	95	FMX TNumberBox is available in FMX.NumberBox
TSpinEdit	TSpinBox	Substitute	90	FMX TSpinBox is available in FMX.SpinBox
TColorBox	TColorComboBox	Substitute	85	FMX color-selection equivalent is TColorComboBox in FMX.Colors
TMemo	TMemo	Direct	90	
TRichEdit	TMemo	Substitute	75	Use FMX TMemo and review rich-text formatting behavior manually.
TPaintBox	TPaintBox	Direct	90	FMX TPaintBox is available in FMX.Objects
TImage	TImage	Direct	80	
TPageControl	TTabControl	Substitute	85	

VCL class	FMX target	Mapping	Confidence	Notes
TTabSheet	TTabItem	Substitute	90	
TScrollBox	TScrollBox	Direct	90	
TStringGrid	TStringGrid	Substitute	70	Data model completely different - requires LiveBindings
TDBEdit	TEdit	Substitute	60	Use LiveBindings to connect to data source
TDBCheckBox	TCheckBox	Substitute	55	Use LiveBindings to connect to data source
TDBComboBox	TComboEdit	Substitute	50	Use LiveBindings to connect to data source
TDBGrid	TStringGrid	Substitute	50	Major architectural difference - requires LiveBindings completely
TDrawGrid	TStringGrid	Substitute	55	Use FMX TStringGrid and review custom drawing/cell rendering manually.
TDBCtrlGrid	TStringGrid	Substitute	45	Major structural difference - requires LiveBindings and manual layout review.
TDBNavigator	TBindNavigator	Substitute	85	Use FMX LiveBindings navigator with generated TBindSourceDB hookup
TMainMenu	TMenuBar	Substitute	85	
TMenuItem	TMenuItem	Direct	95	
TPopupMenu	TPopupMenu	Direct	90	
TTimer	TTimer	Direct	100	
TOpenDialog	TOpenDialog	Direct	90	
TFileOpenDialog	TOpenDialog	Substitute	60	Use FMX TOpenDialog as the closest standard substitute
TSaveDialog	TSaveDialog	Direct	90	
TFileSaveDialog	TSaveDialog	Substitute	65	Use FMX TSaveDialog as the closest standard substitute.
TFontDialog	TFontDialog	Substitute	70	Generated compatibility dialog with a streamed Font property and Execute support
TRadioGroup	TRadioGroup	Substitute	75	Generated compatibility group that rebuilds internal FMX radio buttons from Items
TLinkLabel	TLabel	Substitute	65	Hyperlink behavior requires manual review, but the visual text target is an FMX label.
TTrayIcon	Manual review / none	Unmapped	0	No standard FMX tray icon component - requires platform-specific code

VCL class	FMX target	Mapping	Confidence	Notes
TApdComPort	Manual review / none	Unmapped	0	Third-party serial communications component - requires a custom FMX/WinAPI replacement
TColorDialog	TColorDialog	Substitute	70	Generated compatibility dialog with a Color property and Execute support
TActionList	TActionList	Direct	95	
TAction	TAction	Direct	95	
TImageList	TImageList	Direct	80	
TSplitter	TSplitter	Direct	90	
TStatusBar	TStatusBar	Direct	80	
TToolBar	TToolBar	Direct	85	
TProgressBar	TProgressBar	Direct	95	
TTrackBar	TTrackBar	Direct	95	
TUpDown	TSpinBox	Substitute	70	
TDateTimePicker	TDateEdit	Substitute	75	
TMonthCalendar	TCalendar	Substitute	80	
TTreeView	TTreeView	Direct	85	
TListView	TListView	Direct	80	
TWebBrowser	TWebBrowser	Direct	80	
TShape	TShape	Direct	70	
TBevel	TRectangle	Substitute	60	Use TRectangle with appropriate Fill and Stroke
TScrollBar	TScrollBar	Direct	85	
TSpeedButton	TSpeedButton	Direct	85	
TBitBtn	TButton	Substitute	75	Use TButton with Images property
TLabeledEdit	Manual review / none	Substitute	65	Create TLayout with TLabel and TEdit
TValueListEditor	TGrid	Substitute	50	Complex - requires custom grid implementation
TChart	Manual review / none	Unmapped	0	Requires TMS FMX Chart or similar third-party component

VCL class	FMX target	Mapping	Confidence	Notes
TTaskDialog	Manual review / none	Unmapped	0	No standard FMX task dialog component - requires a custom dialog implementation.
TClientDataSet	Manual review / none	Unmapped	0	Dataset component requires manual review; preserve only if the target platform and supporting units are appropriate.
TQuery	Manual review / none	Unmapped	0	Legacy query component requires manual review or replacement.
TADODataSet	Manual review / none	Unmapped	0	Windows-specific ADO dataset requires manual review for FMX targets.
TSQLDataSet	Manual review / none	Unmapped	0	dbExpress dataset requires manual review for FMX targets.
TMediaPlayer	TMediaPlayer	Direct	80	

Property Map

Component	VCL property	FMX property	Transform	Transformer
TForm	Caption	Caption	no	
TForm	ClientWidth	ClientWidth	no	
TForm	ClientHeight	ClientHeight	no	
TButton	Caption	Text	no	
TButton	Enabled	Enabled	no	
TEdit	Text	Text	no	
TEdit	ReadOnly	ReadOnly	no	
TEdit	MaxLength	MaxLength	no	
TMaskEdit	Text	Text	no	
TMaskEdit	ReadOnly	ReadOnly	no	
TMaskEdit	MaxLength	MaxLength	no	
TMaskEdit	EditMask	Manual review / omitted	no	
TLabel	Caption	Text	no	
TLabel	Layout	TextSettings.VertAlign	no	
TStaticText	Caption	Text	no	
TGroupBox	Caption	Text	no	

Component	VCL property	FMX property	Transform	Transformer
TCheckBox	Caption	Text	no	
TCheckBox	Checked	IsChecked	no	
TRadioButton	Caption	Text	no	
TRadioButton	Checked	IsChecked	no	
TListBox	Items	Items	no	
TListBox	ItemIndex	ItemIndex	no	
TCheckListBox	Items	Items	no	
TCheckListBox	ItemIndex	ItemIndex	no	
TComboBox	Text	Text	no	
TComboBox	Items	Items	no	
TComboBox	ItemIndex	ItemIndex	no	
TComboBox	Style	Manual review / omitted	no	
TNumberBox	MinValue	Min	no	
TNumberBox	MaxValue	Max	no	
TNumberBox	Decimal	DecimalDigits	no	
TSpinEdit	MinValue	Min	no	
TSpinEdit	MaxValue	Max	no	
TSpinEdit	Increment	Increment	no	
TMemo	Lines	Lines	no	
TMemo	ReadOnly	ReadOnly	no	
TMemo	WordWrap	WordWrap	no	
TRichEdit	Lines	Lines	no	
TRichEdit	ReadOnly	ReadOnly	no	
TRichEdit	WordWrap	WordWrap	no	
TImage	Picture	Bitmap	yes	TransformPicture
TOpenDialog	FileName	FileName	no	

Component	VCL property	FMX property	Transform	Transformer
TOpenDialog	Filter	Filter	no	
TOpenDialog	DefaultExt	DefaultExt	no	
TOpenDialog	InitialDir	InitialDir	no	
TOpenDialog	Title	Title	no	
TSaveDialog	FileName	FileName	no	
TSaveDialog	Filter	Filter	no	
TSaveDialog	DefaultExt	DefaultExt	no	
TSaveDialog	InitialDir	InitialDir	no	
TSaveDialog	Title	Title	no	
TFileSaveDialog	FileName	FileName	no	
TFileSaveDialog	DefaultExtension	DefaultExt	no	
TFileSaveDialog	DefaultFolder	InitialDir	no	
TFileSaveDialog	Title	Title	no	
TRadioGroup	Items	Items	no	
TRadioGroup	ItemIndex	ItemIndex	no	
TLinkLabel	Caption	Text	no	
TProgressBar	Position	Value	no	
TTrackBar	Position	Value	no	
TUpDown	Position	Value	no	
TUpDown	Min	Min	no	
TUpDown	Max	Max	no	
TDateTimePicker	Date	Date	no	
TDateTimePicker	Time	Time	no	
TDateTimePicker	Checked	IsChecked	no	
TDateTimePicker	ShowCheckBox	ShowCheckBox	no	
TDateTimePicker	Format	Format	no	

Component	VCL property	FMX property	Transform	Transformer
TMonthCalendar	Date	Date	no	
TShape	Brush	Fill	yes	TransformBrush
TShape	Pen	Stroke	yes	TransformPen

Event Map

Component	VCL event	FMX event	Signature
TForm	OnCreate	OnCreate	yes
TForm	OnShow	OnShow	yes
TForm	OnMouseMove	OnMouseMove	review
TButton	OnClick	OnClick	yes
TEdit	OnChange	OnChange	yes
TEdit	OnEnter	OnEnter	yes
TEdit	OnExit	OnExit	yes
TEdit	OnKeyDown	OnKeyDown	review
TEdit	OnKeyUp	OnKeyUp	review
TMaskEdit	OnChange	OnChange	yes
TCheckBox	OnClick	OnClick	yes
TRadioButton	OnClick	OnClick	yes
TListBox	OnChange	OnChange	yes
TListBox	OnClick	OnClick	yes
TComboBox	OnChange	OnChange	yes
TComboBox	OnDropDown	OnPopup	yes
TComboBox	OnCloseUp	OnClosePopup	yes
TComboBox	OnSelect	OnChange	yes
TComboBox	OnKeyDown	OnKeyDown	review
TComboBox	OnKeyUp	OnKeyUp	review
TMemo	OnChange	OnChange	yes
TMemo	OnKeyDown	OnKeyDown	review
TMemo	OnKeyUp	OnKeyUp	review

Component	VCL event	FMX event	Signature
TTimer	OnTimer	OnTimer	yes
TDateTimePicker	OnChange	OnChange	yes
TDateTimePicker	OnDropDown	OnOpenPicker	yes
TDateTimePicker	OnCloseUp	OnClosePicker	yes

Mapping-Pack Summary

Action	Count
convert	21
detect_only	186
manual_review	100
partial	105
preserve	81

Pack	VCL class	FMX target	Action	Confidence	Notes
CleverComponents_MappingPack_v4_1	TclHttp	TclHttp	preserve	72	Review TLS, proxy, authentication, async callbacks, and platform networking behavior.
CleverComponents_MappingPack_v4_1	TclFtp	TclFtp	preserve	70	Review passive/active mode, TLS, filesystem paths, and deployment behavior.
CleverComponents_MappingPack_v4_1	TclSFtp	TclSFtp	preserve	70	Review key files, host-key validation, local paths, and platform support.
CleverComponents_MappingPack_v4_1	TclSmtp	TclSmtp	preserve	72	Review OAuth/TLS configuration, attachments, and async event handling.
CleverComponents_MappingPack_v4_1	TclPop3	TclPop3	preserve	72	Review OAuth/TLS configuration, message storage paths, and threading.
CleverComponents_MappingPack_v4_1	TclImap4	TclImap4	preserve	72	Review folder synchronization, OAuth/TLS configuration, and background operations.

Pack	VCL class	FMX target	Action	Confidence	Notes
CleverComponents_MappingPack_v4_1	TclOAuth	TclOAuth	manual_review	60	OAuth callback browser/redirect behavior may need platform-specific FMX UI and deployment review.
CleverComponents_MappingPack_v4_1	TclJsonParser	TclJsonParser	preserve	75	JSON parser is nonvisual and may be preserved.
CleverComponents_MappingPack_v4_1	TclSoapMessage	TclSoapMessage	preserve	70	Review generated service code, TLS, and XML namespace behavior.
CleverComponents_MappingPack_v4_1	TclMailMessage	TclMailMessage	preserve	75	Review attachments, encodings, inline images, and filesystem paths.
CleverComponents_MappingPack_v4_1	TclCertificateStore	TclCertificateStore	manual_review	55	Certificate stores can be OS-specific and require target-platform review.
CleverComponents_MappingPack_v4_1	TclThreadPool	TclThreadPool	preserve	65	Review synchronization with FMX UI thread.
CleverComponents_MappingPack_v4_1	TclDBComparer	Manual review / none	manual_review	45	Database comparer/migration components require database and UI workflow review.
CleverComponents_MappingPack_v4_1	TclTaskRunner	Manual review / none	manual_review	50	Task execution may depend on Windows shell paths, scripts, and process behavior.
DatabaseEngines_MappingPack_v4_1	TnxSession	TnxSession	preserve	70	Verify package support, embedded/remote engine setup, aliases, and target platform.
DatabaseEngines_MappingPack_v4_1	TnxDatabase	TnxDatabase	preserve	70	Review aliases, paths, transactions, and deployment.
DatabaseEngines_MappingPack_v4_1	TnxTable	TnxTable	preserve	68	Review table paths, indexes, field definitions, and binding strategy.
DatabaseEngines_MappingPack_v4_1	TnxQuery	TnxQuery	preserve	68	Review SQL dialect, parameters, updates, and connection references.

Pack	VCL class	FMX target	Action	Confidence	Notes
DatabaseEngines_MappingPack_v4_1	TnxServerEngine	Manual review / none	manual_review	50	Embedded server engine lifecycle, threading, and deployment require review.
DatabaseEngines_MappingPack_v4_1	TEDBSession	TEDBSession	preserve	70	Verify ElevateDB edition/platform support and deployment libraries.
DatabaseEngines_MappingPack_v4_1	TEDBDatabase	TEDBDatabase	preserve	70	Review database paths, configuration, and platform storage.
DatabaseEngines_MappingPack_v4_1	TEDBTable	TEDBTable	preserve	68	Review table metadata, indexes, and binding.
DatabaseEngines_MappingPack_v4_1	TEDBQuery	TEDBQuery	preserve	68	Review SQL, parameters, transactions, and update behavior.
DatabaseEngines_MappingPack_v4_1	TApolloDatabase	Manual review / none	manual_review	45	Apollo VCL data components wrap a legacy data engine and require package/platform review before preservation.
DatabaseEngines_MappingPack_v4_1	TApolloTable	Manual review / none	manual_review	45	Apollo table migration should be reviewed with the database-engine modernization plan.
DatabaseEngines_MappingPack_v4_1	TApolloQuery	Manual review / none	manual_review	45	Apollo query migration requires SQL, connection, and package review.
DatabaseEngines_MappingPack_v4_1	TABSDatabase	TABSDatabase	manual_review	55	Absolute Database preservation depends on package/platform support and deployment needs.
DatabaseEngines_MappingPack_v4_1	TABSTable	TABSTable	manual_review	55	Review table paths, encryption, indexes, and binding.
DatabaseEngines_MappingPack_v4_1	TABSQuery	TABSQuery	manual_review	55	Review SQL dialect, parameters, and update behavior.

Pack	VCL class	FMX target	Action	Confidence	Notes
DatabaseEngines_MappingPack_v4_1	TDBISAMDatabase	Manual review / none	manual_review	45	DBISAM migration should be reviewed for engine version, platform support, and possible ElevateDB/FireDAC modernization.
DatabaseEngines_MappingPack_v4_1	TDBISAMTable	Manual review / none	manual_review	45	DBISAM table migration requires database-engine review.
DatabaseEngines_MappingPack_v4_1	TDBISAMQuery	Manual review / none	manual_review	45	DBISAM SQL migration requires dialect and package review.
DatabaseEngines_MappingPack_v4_1	TAdsConnection	Manual review / none	manual_review	35	Advantage Database Server is legacy/Windows-oriented in many projects and requires explicit migration planning.
DatabaseEngines_MappingPack_v4_1	TAdsTable	Manual review / none	manual_review	35	Advantage table migration requires database-engine review.
DatabaseEngines_MappingPack_v4_1	TAdsQuery	Manual review / none	manual_review	35	Advantage SQL migration requires database-engine review.
DatabaseEngines_MappingPack_v4_1	TIB_Connection	TIB_Connection	manual_review	60	IBObjects preservation depends on package support, transaction handling, and target-platform deployment.
DatabaseEngines_MappingPack_v4_1	TIB_Transaction	TIB_Transaction	manual_review	60	Review transaction scope and connection references.
DatabaseEngines_MappingPack_v4_1	TIB_Query	TIB_Query	manual_review	60	Review SQL, parameters, live queries, and dataset binding.
DatabaseEngines_MappingPack_v4_1	TIBOQuery	TIBOQuery	manual_review	58	TDataSet-compatible IBObjects query may be preservable but requires binding and package review.
DatabaseEngines_MappingPack_v4_1	TIBOTable	TIBOTable	manual_review	58	Review table metadata, indexes, and binding.

Pack	VCL class	FMX target	Action	Confidence	Notes
DatabaseEngines_MappingPack_v4_1	TIB_Grid	Manual review / none	detect_only	15	IBObjects visual/data-aware controls require manual FMX UI and binding redesign.
Devart_MappingPack_v4_1	TUniConnection	TUniConnection	preserve	80	Verify provider packages, connection options, deployment libraries, and target-platform support.
Devart_MappingPack_v4_1	TUniQuery	TUniQuery	preserve	80	Verify SQL, parameters, update behavior, and connection references.
Devart_MappingPack_v4_1	TUniTable	TUniTable	preserve	75	Verify table names, indexes, update behavior, and target-platform support.
Devart_MappingPack_v4_1	TUniStoredProc	TUniStoredProc	preserve	75	Verify parameter metadata and provider behavior.
Devart_MappingPack_v4_1	TUniSQL	TUniSQL	preserve	75	Verify SQL statements and provider-specific options.
Devart_MappingPack_v4_1	TUniScript	TUniScript	preserve	70	Review script execution, delimiters, error handling, and deployment.
Devart_MappingPack_v4_1	TUniTransaction	TUniTransaction	preserve	75	Review transaction scope and connection references.
Devart_MappingPack_v4_1	TUniUpdateSQL	TUniUpdateSQL	preserve	70	Review generated/handwritten update SQL and dataset references.
Devart_MappingPack_v4_1	TUniDataSource	TUniDataSource	manual_review	60	DataSource preservation depends on FMX LiveBindings/data-aware strategy and component package support.
Devart_MappingPack_v4_1	TUniMetaData	TUniMetaData	preserve	70	Review provider support and runtime usage.
Devart_MappingPack_v4_1	TUniLoader	TUniLoader	preserve	65	Review platform-specific provider libraries and bulk-load behavior.

Pack	VCL class	FMX target	Action	Confidence	Notes
Devart_MappingPack_v4_1	TUniDump	TUniDump	preserve	65	Review file paths, platform storage, and provider support.
Devart_MappingPack_v4_1	TUniSQLMonitor	Manual review / none	manual_review	55	Monitoring/logging integration may be platform/package-specific.
Devart_MappingPack_v4_1	TUniConnectDialog	Manual review / none	manual_review	35	Connection dialog UI is VCL-specific and should be rebuilt or replaced for FMX.
Devart_MappingPack_v4_1	TUniAlerter	TUniAlerter	preserve	60	Verify provider event support and platform behavior.
Devart_MappingPack_v4_1	TVirtualTable	TVirtualTable	manual_review	60	In-memory dataset may be preserved with Devart packages, but fields, indexes, persistence, and FMX binding should be reviewed.
Devart_MappingPack_v4_1	TVirtualDataSet	TVirtualDataSet	manual_review	55	Custom virtual dataset callbacks and binding behavior require review.
Devart_MappingPack_v4_1	TVirtualQuery	TVirtualQuery	manual_review	55	Virtual query behavior and in-memory source datasets require review.
Devart_MappingPack_v4_1	TOracleUniProvider	TOracleUniProvider	preserve	75	Verify deployment libraries and target-platform support.
Devart_MappingPack_v4_1	TSQLServerUniProvider	TSQLServerUniProvider	preserve	75	Verify deployment libraries and target-platform support.
Devart_MappingPack_v4_1	TMySQLUniProvider	TMySQLUniProvider	preserve	75	Verify deployment libraries and target-platform support.
Devart_MappingPack_v4_1	TInterBaseUniProvider	TInterBaseUniProvider	preserve	75	Verify deployment libraries and target-platform support.
Devart_MappingPack_v4_1	TPostgreSQLUniProvider	TPostgreSQLUniProvider	preserve	75	Verify deployment libraries and target-platform support.

Pack	VCL class	FMX target	Action	Confidence	Notes
Devart_MappingPack_v4_1	TSQLiteUniProvider	TSQLiteUniProvider	preserve	75	Verify deployment libraries and target-platform support.
DevExpress_MappingPack_v4_1	TcxButton	TButton	convert	90	Basic button behavior only. DevExpress glyphs, skins, and look-and-feel require review.
DevExpress_MappingPack_v4_1	TcxTextEdit	TEdit	convert	90	Basic text entry only. Masks, repository items, button collections, and DevExpress style controllers require review.
DevExpress_MappingPack_v4_1	TcxDBTextEdit	TEdit	partial	85	Verify LiveBindings or data-aware conversion output for DataSource/DataField semantics.
DevExpress_MappingPack_v4_1	TcxMemo	TMemo	convert	90	Basic memo text only. DevExpress style, scrollbars, and repository settings require review.
DevExpress_MappingPack_v4_1	TcxDBMemo	TMemo	partial	85	Verify LiveBindings or data-aware conversion output for memo field semantics.
DevExpress_MappingPack_v4_1	TcxLabel	TLabel	convert	85	Caption/text and visibility are mapped. DevExpress appearance and style controller settings require review.
DevExpress_MappingPack_v4_1	TcxCheckBox	TCheckBox	convert	85	Basic checked/caption behavior only. Multi-state and style settings require review.
DevExpress_MappingPack_v4_1	TcxDBCheckBox	TCheckBox	partial	80	Verify checked/unchecked database values and LiveBindings after conversion.
DevExpress_MappingPack_v4_1	TcxComboBox	TComboBox	convert	80	Basic items and selection behavior only. DevExpress item objects, filtering, and lookup behavior require review.

Pack	VCL class	FMX target	Action	Confidence	Notes
DevExpress_MappingPack_v4_1	TcxDBComboBox	TComboBox	partial	75	Verify Items, ItemIndex, field value mapping, and LiveBindings after conversion.
DevExpress_MappingPack_v4_1	TcxPageControl	TTabControl	convert	85	Pages map to FMX tab control structure. Images, styles, and owner-drawn tab behavior require review.
DevExpress_MappingPack_v4_1	TcxTabSheet	TTabItem	convert	90	Tab captions map to FMX tab text.
DevExpress_MappingPack_v4_1	TcxMaskEdit	TEdit	partial	65	Recreate mask validation with FMX edit rules or custom validation code.
DevExpress_MappingPack_v4_1	TcxDBMaskEdit	TEdit	partial	60	Recreate mask validation and verify LiveBindings/DataField behavior.
DevExpress_MappingPack_v4_1	TcxDateEdit	TDateEdit	partial	70	Date editor generated. DevExpress calendar buttons, formatting, null handling, and validation require review.
DevExpress_MappingPack_v4_1	TcxTimeEdit	TTimeEdit	partial	65	Time editor generated when FMX TTimeEdit is available. Formatting, null handling, and validation require review.
DevExpress_MappingPack_v4_1	TcxSpinEdit	TSpinBox	partial	65	Numeric spin input generated. Min/max, increment, display formatting, and validation require review.
DevExpress_MappingPack_v4_1	TcxCalcEdit	TEdit	partial	55	Replace with a custom numeric editor or recreate calculator behavior manually.
DevExpress_MappingPack_v4_1	TcxButtonEdit	TEdit	partial	50	Add explicit FMX buttons or redesign the editor interaction.

Pack	VCL class	FMX target	Action	Confidence	Notes
DevExpress_MappingPack_v4_1	TcxDBButtonEdit	Manual review / none	manual_review	45	Button editor plus data binding is too application-specific for safe automatic conversion.
DevExpress_MappingPack_v4_1	TcxLookupComboBox	TComboBox	partial	50	Recreate lookup binding and display/key field behavior manually or through LiveBindings.
DevExpress_MappingPack_v4_1	TcxDBLookupComboBox	Manual review / none	manual_review	45	Database lookup semantics are too application-specific for a basic automatic rule.
DevExpress_MappingPack_v4_1	TcxRadioButton	TRadioButton	convert	75	Basic radio button state and caption are mapped. Grouping semantics require review.
DevExpress_MappingPack_v4_1	TcxRadioGroup	Manual review / none	manual_review	45	Radio group item layout and value semantics require a deliberate FMX design.
DevExpress_MappingPack_v4_1	TcxGroupBox	TGroupBox	partial	70	Container and caption can map to TGroupBox. DevExpress border/style details require review.
DevExpress_MappingPack_v4_1	TdxToggleSwitch	TSwitch	partial	75	Switch state can map to FMX TSwitch. Caption/label placement and DevExpress styling require review.
DevExpress_MappingPack_v4_1	TdxDBToggleSwitch	TSwitch	partial	65	Verify LiveBindings and checked/unchecked database values.
DevExpress_MappingPack_v4_1	TdxMemData	Manual review / none	manual_review	50	In-memory dataset usage may be replaceable with FireDAC memory tables, but field definitions and runtime population need review.

Pack	VCL class	FMX target	Action	Confidence	Notes
DevExpress_MappingPack_v4_1	TdxLayoutControl	Manual review / none	manual_review	45	Only very simple layout cases are plausible; automatic conversion needs layout-tree support before generating FMX containers.
DevExpress_MappingPack_v4_1	TcxGrid	Manual review / none	detect_only	20	DevExpress grids have view, column, repository, style, and data-controller behavior that cannot be safely mapped by a basic pack.
DevExpress_MappingPack_v4_1	TcxGridLevel	Manual review / none	detect_only	15	Grid level hierarchy must be reviewed with the owning TcxGrid.
DevExpress_MappingPack_v4_1	TcxGridTableView	Manual review / none	detect_only	15	Grid views require manual redesign or a custom tested mapping pack.
DevExpress_MappingPack_v4_1	TcxGridDBTableView	Manual review / none	detect_only	15	Data-aware grid views require manual redesign or a custom tested mapping pack.
DevExpress_MappingPack_v4_1	TcxGridBandedTableView	Manual review / none	detect_only	10	Banded grid views are report-only in the basic pack.
DevExpress_MappingPack_v4_1	TcxGridDBBandedTableView	Manual review / none	detect_only	10	Data-aware banded grid views are report-only in the basic pack.
DevExpress_MappingPack_v4_1	TcxGridCardView	Manual review / none	detect_only	10	Card views require manual FMX layout redesign.
DevExpress_MappingPack_v4_1	TcxGridDBCardView	Manual review / none	detect_only	10	Data-aware card views require manual FMX layout redesign.
DevExpress_MappingPack_v4_1	TcxGridLayoutView	Manual review / none	detect_only	10	Layout views are report-only in the basic pack.
DevExpress_MappingPack_v4_1	TcxGridDBLayoutView	Manual review / none	detect_only	10	Data-aware layout views are report-only in the basic pack.
DevExpress_MappingPack_v4_1	TcxGridChartView	Manual review / none	detect_only	10	Chart views require manual chart migration.

Pack	VCL class	FMX target	Action	Confidence	Notes
DevExpress_MappingPack_v4_1	TcxGridDBChartView	Manual review / none	detect_only	10	Data-aware chart views require manual chart migration.
DevExpress_MappingPack_v4_1	TcxGridColumn	Manual review / none	detect_only	15	Grid columns must be migrated together with their grid view.
DevExpress_MappingPack_v4_1	TcxGridBand	Manual review / none	detect_only	10	Grid bands must be migrated together with their banded grid view.
DevExpress_MappingPack_v4_1	TcxTreeList	Manual review / none	detect_only	20	TreeList structure and data binding require a custom migration plan.
DevExpress_MappingPack_v4_1	TcxDBTreeList	Manual review / none	detect_only	15	Data-aware TreeList structure requires a custom migration plan.
DevExpress_MappingPack_v4_1	TcxVerticalGrid	Manual review / none	detect_only	20	Vertical grid rows, editors, and data binding require manual redesign.
DevExpress_MappingPack_v4_1	TcxDBVerticalGrid	Manual review / none	detect_only	15	Data-aware vertical grids require manual redesign.
DevExpress_MappingPack_v4_1	TcxPivotGrid	Manual review / none	detect_only	10	Pivot grid conversion is report-only in the starter pack.
DevExpress_MappingPack_v4_1	TcxDBPivotGrid	Manual review / none	detect_only	10	Data-aware pivot grid conversion is report-only in the starter pack.
DevExpress_MappingPack_v4_1	TdxBarManager	Manual review / none	detect_only	10	DevExpress bar and ribbon systems require manual FMX navigation/menu redesign.
DevExpress_MappingPack_v4_1	TdxBar	Manual review / none	detect_only	10	DevExpress bars require manual FMX menu/toolbutton redesign.
DevExpress_MappingPack_v4_1	TdxBarButton	Manual review / none	detect_only	15	Bar buttons must be migrated with their bar manager or ribbon context.
DevExpress_MappingPack_v4_1	TdxBarSubItem	Manual review / none	detect_only	10	Nested bar menu structures require manual FMX redesign.

Pack	VCL class	FMX target	Action	Confidence	Notes
DevExpress_MappingPack_v4_1	TdxBarPopupMenu	Manual review / none	detect_only	10	Popup menu structures require manual FMX menu redesign.
DevExpress_MappingPack_v4_1	TdxRibbon	Manual review / none	detect_only	10	Ribbon conversion is report-only in the starter pack.
DevExpress_MappingPack_v4_1	TdxRibbonTab	Manual review / none	detect_only	10	Ribbon tabs must be redesigned with the ribbon/navigation model.
DevExpress_MappingPack_v4_1	TdxRibbonTabGroup	Manual review / none	detect_only	10	Ribbon tab groups must be redesigned with the ribbon/navigation model.
DevExpress_MappingPack_v4_1	TdxRibbonStatusBar	Manual review / none	detect_only	10	Ribbon status bars require manual FMX status/navigation redesign.
DevExpress_MappingPack_v4_1	TdxDockingManager	Manual review / none	detect_only	10	Docking systems require manual FMX layout and window-management design.
DevExpress_MappingPack_v4_1	TdxDockSite	Manual review / none	detect_only	10	Dock sites require manual FMX layout design.
DevExpress_MappingPack_v4_1	TdxDockPanel	Manual review / none	detect_only	10	Dock panels require manual FMX layout design.
DevExpress_MappingPack_v4_1	TdxLayoutDockSite	Manual review / none	detect_only	10	Layout dock sites require manual FMX layout design.
DevExpress_MappingPack_v4_1	TcxScheduler	Manual review / none	detect_only	10	Scheduler conversion is report-only in the basic pack.
DevExpress_MappingPack_v4_1	TcxSchedulerStorage	Manual review / none	detect_only	10	Scheduler storage requires manual data-model migration.
DevExpress_MappingPack_v4_1	TcxSchedulerDBStorage	Manual review / none	detect_only	10	Data-aware scheduler storage requires manual data-model migration.
DevExpress_MappingPack_v4_1	TdxGanttControl	Manual review / none	detect_only	10	Gantt controls require manual migration.

Pack	VCL class	FMX target	Action	Confidence	Notes
DevExpress_MappingPack_v4_1	TdxChartControl	Manual review / none	detect_only	10	Chart controls require manual chart migration.
DevExpress_MappingPack_v4_1	TdxGaugeControl	Manual review / none	detect_only	10	Gauge controls require manual visual redesign.
DevExpress_MappingPack_v4_1	TdxMapControl	Manual review / none	detect_only	10	Map controls require manual platform/service migration.
DevExpress_MappingPack_v4_1	TdxDashboardControl	Manual review / none	detect_only	10	Dashboard controls require manual migration.
DevExpress_MappingPack_v4_1	TdxBarCode	Manual review / none	detect_only	20	Barcode controls may have FMX alternatives, but symbology and rendering must be reviewed.
DevExpress_MappingPack_v4_1	TdxDBBarCode	Manual review / none	detect_only	15	Data-aware barcode controls require manual rendering and binding review.
DevExpress_MappingPack_v4_1	TdxTokenEdit	Manual review / none	detect_only	20	Token editors require custom FMX interaction design.
DevExpress_MappingPack_v4_1	TdxDBTokenEdit	Manual review / none	detect_only	15	Data-aware token editors require custom FMX interaction and binding design.
DevExpress_MappingPack_v4_1	TcxRichEdit	Manual review / none	detect_only	10	Rich edit controls require manual document/editor migration.
DevExpress_MappingPack_v4_1	TcxDBRichEdit	Manual review / none	detect_only	10	Data-aware rich edit controls require manual document/editor and binding migration.
DevExpress_MappingPack_v4_1	TdxSpellChecker	Manual review / none	detect_only	10	Spell checker integration requires manual replacement.
DevExpress_MappingPack_v4_1	TdxPDFViewer	Manual review / none	detect_only	10	PDF viewer conversion is report-only in the basic pack.
DevExpress_MappingPack_v4_1	TdxSpreadSheet	Manual review / none	detect_only	10	Spreadsheet controls require manual migration.

Pack	VCL class	FMX target	Action	Confidence	Notes
DevExpress_MappingPack_v4_1	TdxSkinController	Manual review / none	detect_only	10	VCL skin systems do not directly translate to FMX styles.
DevExpress_MappingPack_v4_1	TcxColorComboBox	TComboBox	partial	65	Recreate color display logic using custom item painting or a color picker dialog in FMX.
DevExpress_MappingPack_v4_1	TcxCurrencyEdit	TEdit	partial	65	Implement currency formatting and validation manually or use a TNumberBox/TSpinBox with custom format string.
DevExpress_MappingPack_v4_1	TcxHyperLinkEdit	TEdit	partial	55	Add OnClick handler to open the URL via TLauncher.LaunchURL or equivalent FMX approach.
DevExpress_MappingPack_v4_1	TcxImageComboBox	TComboBox	partial	55	Review item images, display text, and any ImageList references. Recreate image display using custom item templates.
DevExpress_MappingPack_v4_1	TcxListView	Manual review / none	detect_only	20	DevExpress ListView structure, item templates, groups, virtual mode, and custom drawing require manual FMX redesign. Consider FMX TListView with custom item appearances.
DevExpress_MappingPack_v4_1	TcxProgressBar	TProgressBar	partial	70	Basic progress value and range map to FMX TProgressBar. DevExpress styling, text overlay, and animation require review.
DevExpress_MappingPack_v4_1	TcxTrackBar	TTrackBar	partial	65	Trackbar value and range map conceptually to FMX TTrackBar. Tick marks, DevExpress skin, and custom thumb rendering require review.

Pack	VCL class	FMX target	Action	Confidence	Notes
DevExpress_MappingPack_v4_1	TdxRatingControl	Manual review / none	detect_only	20	Rating/star controls have no direct FMX stock equivalent. Requires custom FMX visual design using TImage or TPath components for star rendering.
DevExpress_MappingPack_v4_1	TdxScrollBox	TScrollBox	partial	65	Scroll container behavior maps to FMX TScrollBox. DevExpress style, virtual scrolling, and touch behavior require review.
EhLib_MappingPack_v4_1	TEditEh	TEdit	partial	70	Plain text entry can map to TEdit. Edit buttons, masks, lookup behavior, and validation require review.
EhLib_MappingPack_v4_1	TDBEditEh	TEdit	partial	60	Verify DataSource/DataField conversion and LiveBindings output.
EhLib_MappingPack_v4_1	TComboBoxEh	TComboBox	partial	65	Basic item list can map. MRU, edit buttons, lookup behavior, and custom dropdowns require review.
EhLib_MappingPack_v4_1	TDBComboBoxEh	TComboBox	partial	55	Verify field values, lookup lists, and LiveBindings.
EhLib_MappingPack_v4_1	TDBDateTimeEditEh	TDateEdit	partial	55	Verify date/time formatting and data binding.
EhLib_MappingPack_v4_1	TDBNumberEditEh	TEdit	partial	50	Use TSpinBox/TNumberBox/ custom validation where appropriate.
EhLib_MappingPack_v4_1	TDBCheckBoxEh	TCheckBox	partial	60	Verify field values and LiveBindings.
EhLib_MappingPack_v4_1	TDBGridEh	Manual review / none	detect_only	20	EhLib DBGrid has rich columns, editors, footers, filters, and data behavior requiring a grid-specific migration plan.

Pack	VCL class	FMX target	Action	Confidence	Notes
EhLib_MappingPack_v4_1	TDBVertGridEh	Manual review / none	detect_only	15	Vertical data grid requires manual redesign.
EhLib_MappingPack_v4_1	TDBLookupComboboxEh	Manual review / none	manual_review	40	Lookup key/display/list-source semantics are too application-specific for automatic conversion.
EhLib_MappingPack_v4_1	TDBLookupListBoxEh	Manual review / none	manual_review	40	Lookup list semantics require manual migration.
EhLib_MappingPack_v4_1	TMemTableEh	Manual review / none	manual_review	50	In-memory dataset may need FireDAC TFDMemTable or another FMX-compatible replacement; review fields, indexes, and persistence.
EhLib_MappingPack_v4_1	TDataSetDriverEh	Manual review / none	detect_only	25	Dataset driver/update behavior requires data-layer review.
EhLib_MappingPack_v4_1	TPlannerControlEh	Manual review / none	detect_only	15	Planner controls require manual scheduler/data migration.
EhLib_MappingPack_v4_1	TDBPlannerControlEh	Manual review / none	detect_only	15	Data-aware planner controls require manual scheduler/data migration.
EhLib_MappingPack_v4_1	TDBLabelEh	TLabel	partial	60	Verify DataSource/DataField conversion and LiveBindings output for label field display.
EhLib_MappingPack_v4_1	TDateTimeEditEh	TDateEdit	partial	55	Verify date/time formatting, null date behavior, and DataSource/DataField if data-aware.
EhLib_MappingPack_v4_1	TCalcEditEh	TEdit	partial	45	Replace calculator popup with a custom numeric input approach or TSpinBox/TNumberBox with appropriate range and format.

Pack	VCL class	FMX target	Action	Confidence	Notes
EhLib_MappingPack_v4_1	TPopupDateTimePickerEh	TDateEdit	partial	50	Verify popup behavior, date formatting, and time portion handling after conversion.
EhLib_MappingPack_v4_1	TLookupEh	Manual review / none	detect_only	25	EhLib standalone lookup control with dataset/key/display semantics requires manual FMX redesign. Consider a TComboBox with LiveBindings lookup or a custom FMX lookup editor.
FastReport_MappingPack_v4_1	TfrxReport	Manual review / none	manual_review	60	FastReport reports may be portable only if the target project owns a compatible FastReport FMX/runtime package and report templates are reviewed.
FastReport_MappingPack_v4_1	TfrxDBDataSet	Manual review / none	manual_review	55	Dataset connectors must be reviewed with the target data layer and FastReport package.
FastReport_MappingPack_v4_1	TfrxUserDataSet	Manual review / none	manual_review	50	User dataset callbacks and report data feeding are application-specific.
FastReport_MappingPack_v4_1	TfrxIBODataSet	Manual review / none	manual_review	45	IB Objects connector behavior depends on the source data-access stack.
FastReport_MappingPack_v4_1	TfrxPreview	Manual review / none	detect_only	25	Preview UI must be matched to the FastReport FMX viewer or redesigned.
FastReport_MappingPack_v4_1	TfrxDesigner	Manual review / none	detect_only	20	Report designer integration is package/version/license-specific.
FastReport_MappingPack_v4_1	TfrxPDFExport	Manual review / none	manual_review	55	Exporter may have a compatible runtime class, but output settings and package references require review.

Pack	VCL class	FMX target	Action	Confidence	Notes
FastReport_MappingPack_v4_1	TfrxXLSExport	Manual review / none	manual_review	50	Legacy XLS export settings and package references require review.
FastReport_MappingPack_v4_1	TfrxXLSXExport	Manual review / none	manual_review	50	XLSX export settings and package references require review.
FastReport_MappingPack_v4_1	TfrxHTMLExport	Manual review / none	manual_review	50	HTML export settings and package references require review.
FastReport_MappingPack_v4_1	TfrxRTFExport	Manual review / none	manual_review	50	RTF export settings and package references require review.
FastReport_MappingPack_v4_1	TfrxCSVExport	Manual review / none	manual_review	50	CSV export settings and package references require review.
FastReport_MappingPack_v4_1	TfrxMailExport	Manual review / none	detect_only	30	Mail export depends on platform mail/network behavior and package support.
FastReport_MappingPack_v4_1	TfrxReportServer	Manual review / none	detect_only	15	FastReport server components require architecture-level review.
FastReport_MappingPack_v4_1	TfrxServerConnection	Manual review / none	detect_only	20	Client/server report connection behavior requires architecture-level review.
FastReport_MappingPack_v4_1	TfrxReportClient	Manual review / none	detect_only	20	Report client behavior depends on FastReport server/client architecture.
FastReport_MappingPack_v4_1	TfrxHTTPClient	Manual review / none	detect_only	20	HTTP report client behavior requires manual network/runtime review.
Imaging_PDF_MappingPack_v4_1	TgtPDFViewer	Manual review / none	detect_only	20	Gnostice PDF viewer UI requires PDF-library-specific FMX replacement or manual redesign.

Pack	VCL class	FMX target	Action	Confidence	Notes
Imaging_PDF_MappingPack_v4_1	TgtPDFDocument	TgtPDFDocument	manual_review	55	PDF document component may be preservable if the target owns compatible packages; review licensing, deployment, and platform support.
Imaging_PDF_MappingPack_v4_1	TgtPDFPrinter	Manual review / none	manual_review	35	PDF printing is platform-specific and must be reviewed manually.
Imaging_PDF_MappingPack_v4_1	TgtPDFOutlineViewer	Manual review / none	detect_only	20	PDF outline/navigation UI requires manual FMX replacement.
Imaging_PDF_MappingPack_v4_1	TgtPDFSearch	Manual review / none	manual_review	45	PDF search behavior depends on the document engine and UI integration.
Imaging_PDF_MappingPack_v4_1	TImageEnView	Manual review / none	manual_review	45	ImageEn visual image viewer/editor behavior requires manual FMX replacement or package-specific support review.
Imaging_PDF_MappingPack_v4_1	TImageEnMView	Manual review / none	manual_review	40	Multi-image thumbnail/browser UI requires manual FMX replacement.
Imaging_PDF_MappingPack_v4_1	TImageEnVect	Manual review / none	manual_review	35	Vector/image editing features do not map safely to stock FMX controls.
Imaging_PDF_MappingPack_v4_1	TImageEnLayerMView	Manual review / none	detect_only	25	Layered image editing UI requires package-specific migration.
Imaging_PDF_MappingPack_v4_1	TImageEnProc	TImageEnProc	manual_review	55	Image processing component may be preservable, but package/platform support and bitmap type usage must be reviewed.
Imaging_PDF_MappingPack_v4_1	TImageEnIO	TImageEnIO	manual_review	55	Image I/O may be preservable, but codec deployment, file paths, and target-platform support require review.

Pack	VCL class	FMX target	Action	Confidence	Notes
Imaging_PDF_MappingPack_v4_1	TImageEnFolderMView	Manual review / none	detect_only	25	Folder/image browser UI requires manual FMX replacement and platform storage review.
Imaging_PDF_MappingPack_v4_1	TImageEnDBView	Manual review / none	manual_review	35	Data-aware image viewing requires dataset, blob field, and LiveBindings review.
Imaging_PDF_MappingPack_v4_1	TImageEnDBMView	Manual review / none	manual_review	30	Data-aware thumbnail browsing requires manual dataset and UI migration.
Imaging_PDF_MappingPack_v4_1	TPdfViewer	Manual review / none	detect_only	20	Generic PDF viewer class detected; confirm actual vendor/library and choose an FMX-compatible PDF strategy.
Imaging_PDF_MappingPack_v4_1	TPdfDocument	Manual review / none	manual_review	40	Generic PDF document class detected; verify library, licensing, deployment, and platform support.
InfoPower_MappingPack_v4_1	TwwDBEdit	TEdit	partial	60	Verify DataSource/DataField conversion and any PictureMask behavior.
InfoPower_MappingPack_v4_1	TwwDBRichEdit	Manual review / none	detect_only	15	Rich text data-aware editing requires manual document/editor migration.
InfoPower_MappingPack_v4_1	TwwDBMemo	TMemo	partial	55	Verify LiveBindings and memo field behavior.
InfoPower_MappingPack_v4_1	TwwDBComboBox	TComboBox	partial	55	Verify item/value mapping and LiveBindings.
InfoPower_MappingPack_v4_1	TwwCheckBox	TCheckBox	partial	65	Verify DB value mapping.
InfoPower_MappingPack_v4_1	TwwDBDateTimePicker	TDateEdit	partial	55	Verify date/time field behavior.
InfoPower_MappingPack_v4_1	TwwDBLookupCombo	Manual review / none	manual_review	40	Lookup combo table/key/display/filter behavior is too application-specific for automatic conversion.

Pack	VCL class	FMX target	Action	Confidence	Notes
InfoPower_MappingPack_v4_1	TwwDBLookupComboDlg	Manual review / none	manual_review	35	Lookup dialog behavior requires explicit FMX UI and data-binding redesign.
InfoPower_MappingPack_v4_1	TwwDBGrid	Manual review / none	detect_only	20	InfoPower DBGrid has rich columns, embedded controls, lookup editors, filtering, and searching that need a grid-specific migration plan.
InfoPower_MappingPack_v4_1	TwwRecordViewPanel	Manual review / none	detect_only	20	Record view layout is application-specific and should be redesigned manually.
InfoPower_MappingPack_v4_1	TwwDBNavigator	Manual review / none	manual_review	40	Atlas commands should be reviewed with the target data-binding approach.
InfoPower_MappingPack_v4_1	TwwIncrementalSearch	Manual review / none	manual_review	35	Incremental dataset search behavior needs manual data-layer review.
InfoPower_MappingPack_v4_1	TwwFilterDialog	Manual review / none	detect_only	20	Visual filtering dialog and SQL/filter generation require manual migration.
InfoPower_MappingPack_v4_1	TwwLocateDialog	Manual review / none	detect_only	20	Locate/search dialogs require manual migration.
InfoPower_MappingPack_v4_1	TwwSearchDialog	Manual review / none	detect_only	20	Search dialog behavior requires manual migration.
InfoPower_MappingPack_v4_1	TwwLabel	TLabel	partial	65	Verify that any HTML-formatted caption content is reviewed and replaced with plain text or an FMX HTML-capable label.
InfoPower_MappingPack_v4_1	TwwImage	TImage	partial	60	Verify image resource loading and any DataSource/DataField wiring if data-aware.
InfoPower_MappingPack_v4_1	TwwDBImage	TImage	partial	50	Verify LiveBindings setup for blob/image fields and review image loading from dataset.

Pack	VCL class	FMX target	Action	Confidence	Notes
InfoPower_MappingPack_v4_1	TwwStatusBar	Manual review / none	detect_only	25	InfoPower status bar panels and owner-drawn panes require manual FMX layout redesign using TLayout and TLabel combinations at the bottom of the form.
InfoPower_MappingPack_v4_1	TwwCalendar	TCalendar	partial	50	Verify date selection events and any custom day rendering or highlighting behavior.
IntraWeb_UniGUI_MappingPack_v4_1	TIWAppForm	Manual review / none	detect_only	5	IntraWeb forms are web forms, not FMX forms. Migration requires architecture-level redesign.
IntraWeb_UniGUI_MappingPack_v4_1	TIWButton	Manual review / none	detect_only	10	IntraWeb controls execute in a browser/server lifecycle and should not be automatically converted to FMX controls.
IntraWeb_UniGUI_MappingPack_v4_1	TIWEdit	Manual review / none	detect_only	10	IntraWeb edit controls require web-framework or app-architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TIWMemo	Manual review / none	detect_only	10	IntraWeb memo controls require web-framework or app-architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TIWLabel	Manual review / none	detect_only	10	IntraWeb labels render HTML and should be reviewed in the web/app migration plan.
IntraWeb_UniGUI_MappingPack_v4_1	TIWCheckBox	Manual review / none	detect_only	10	IntraWeb controls use browser/server state and should not be auto-converted.
IntraWeb_UniGUI_MappingPack_v4_1	TIWComboBox	Manual review / none	detect_only	10	IntraWeb combo boxes require web-framework or app-architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TIWListBox	Manual review / none	detect_only	10	IntraWeb list controls require web-framework or app-architecture migration.

Pack	VCL class	FMX target	Action	Confidence	Notes
IntraWeb_UniGUI_MappingPack_v4_1	TIWImage	Manual review / none	detect_only	10	IntraWeb image/resource handling requires manual migration.
IntraWeb_UniGUI_MappingPack_v4_1	TIWRegion	Manual review / none	detect_only	10	IntraWeb layout regions require manual FMX or web layout redesign.
IntraWeb_UniGUI_MappingPack_v4_1	TIWGrid	Manual review / none	detect_only	5	IntraWeb grids require web-framework or app-architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TIWDBGrid	Manual review / none	detect_only	5	IntraWeb data grids require web-framework/data architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TUniForm	Manual review / none	detect_only	5	uniGUI forms are web application forms, not FMX forms. Migration requires architecture-level redesign.
IntraWeb_UniGUI_MappingPack_v4_1	TUniButton	Manual review / none	detect_only	10	uniGUI controls use Ext JS/web lifecycle and should not be automatically converted to FMX.
IntraWeb_UniGUI_MappingPack_v4_1	TUniEdit	Manual review / none	detect_only	10	uniGUI edit controls require web-framework or app-architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TUniMemo	Manual review / none	detect_only	10	uniGUI memo controls require web-framework or app-architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TUniLabel	Manual review / none	detect_only	10	uniGUI labels are browser-rendered controls and require migration planning.
IntraWeb_UniGUI_MappingPack_v4_1	TUniCheckBox	Manual review / none	detect_only	10	uniGUI controls use web state and should not be auto-converted.
IntraWeb_UniGUI_MappingPack_v4_1	TUniComboBox	Manual review / none	detect_only	10	uniGUI combo boxes require web-framework or app-architecture migration.

Pack	VCL class	FMX target	Action	Confidence	Notes
IntraWeb_UniGUI_MappingPack_v4_1	TUniDBComboBox	Manual review / none	detect_only	5	uniGUI data-aware controls require web/data architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TUniDBEdit	Manual review / none	detect_only	5	uniGUI data-aware controls require web/data architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TUniDBGrid	Manual review / none	detect_only	5	uniGUI data grids require web/data architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TUniPanel	Manual review / none	detect_only	10	uniGUI panels are web layout controls and require manual UI redesign.
IntraWeb_UniGUI_MappingPack_v4_1	TUniPageControl	Manual review / none	detect_only	10	uniGUI page controls require web/app architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TUniTabSheet	Manual review / none	detect_only	10	uniGUI tab sheets require web/app architecture migration.
IntraWeb_UniGUI_MappingPack_v4_1	TUniMainModule	Manual review / none	detect_only	5	uniGUI application modules are architecture-level web framework components.
IntraWeb_UniGUI_MappingPack_v4_1	TUniServerModule	Manual review / none	detect_only	5	uniGUI server modules are architecture-level web framework components.
JVCL_MappingPack_v4_1	TJvButton	TButton	convert	85	Basic button behavior maps. JVCL glyph/layout extras require review.
JVCL_MappingPack_v4_1	TJvBitBtn	TButton	partial	75	Button action maps. Glyph/kind/layout behavior requires review.
JVCL_MappingPack_v4_1	TJvEdit	TEdit	convert	85	Basic text edit maps. JVCL validation and visual extras require review.
JVCL_MappingPack_v4_1	TJvMemo	TMemo	convert	80	Basic memo text maps. JVCL additions require review.

Pack	VCL class	FMX target	Action	Confidence	Notes
JVCL_MappingPack_v4_1	TJvCheckBox	TCheckBox	convert	85	Basic checked/caption behavior maps. JVCL visual extras require review.
JVCL_MappingPack_v4_1	TJvRadioButton	TRadioButton	convert	80	Basic checked/caption behavior maps. Group semantics require review.

Notes on Scope

This document is a reference surface, not a promise that every listed conversion is final production behavior. Direct mappings still require compile and runtime validation, substitute mappings need inspection, and manual-review rows are intentionally conservative.

The live converter UI remains the best quick view during operation because it is generated from the running mapper. This document gives a release-reference copy in the docs folder.

V7 Atlas language support and operating safeguards

Last changed October 15, 2026

VCL2FMXConverter v7.0 Atlas retains the established conversion workflow and adds 35 selectable interface language packs, translated display messages and reports, and online translation of Help. Language packs do not add conversion rules or translate generated applications. V7 also includes input, output and encoding safeguards described in this edition; it is not strictly a language-only code change.

Choosing a language

Choose a language in the header. The 35 bundled interface packs work offline and the preference is saved. On first use the language manager can select a matching system language. Missing packs fall back to English. Display messages and reference descriptions are translated; technical identifiers retain their spelling. The language selected when conversion starts is used for saved text and HTML reports. Existing reports are not rewritten when the interface language changes. Canonical JSON reports retain their English schema and data.

Reading translated Help

Help opened from Atlas uses a local HTTP server and passes the selected language to the manual. Keep Atlas running while browsing that Help session. Automatic Help translation requires Internet access; English Help remains available offline. Help hosted as ordinary web pages uses its language selector and can inherit the website selection. Opening local HTML directly with file:// does not provide the same online translation behavior. PDF and DOCX guides are supplied in English.

Editing and adding translations

Use the Delphi App Translation Studio with the matching V7 source workspace. Open the translation project/catalog under Localization/Development, scan the application, edit translations and glossary entries, run Validation, then Export Runtime Pack. Install the locale JSON under Localization/Languages beside the executable and restart Atlas. Back up customized packs before replacement. For a new language, create a catalog for that

target locale rather than relabeling an existing pack. Check placeholders, technical names, long labels and right-to-left layout. A new Help language also needs a supported language mapping in the separate Help selector. Editing an interface pack does not change the online Help translation service.

Translation review

The included language packs are machine-generated and have not been reviewed by native speakers. Translation problems can be corrected using the Delphi App Translation Studio or reported to the developer with the locale, current wording and proposed correction. For a complete procedure, see the V7 Translation Guide and the Help topic Using and maintaining translations.

Source and output checks

Select one original VCL project and a separate output folder. V7 resolves paths before conversion, checks project selection before output cleanup, rejects ambiguous or mismatched DPR/DPROJ selections, and blocks empty input and unreadable source files. Scanned directory links and reparse points, and hard-linked output files, are rejected. Dry-run preview may write reports and create the output directory, but does not write converted source or remove existing build/history folders. Report actions use only paths produced by the current run.

Text encoding

Input text detection supports UTF-8, UTF-16 and explicit supported Pascal code-page directives. Without a byte-order mark or directive, valid UTF-8 is preferred; other legacy bytes use Windows-1252. Convert other legacy encodings to UTF-8 in Delphi before conversion. Generated Pascal output is UTF-8, and active code-page directives are normalized to {$CODEPAGE UTF8}. This can change generated text without changing the intended conversion rule.