



VISUAL
Enterprise[™]
Release Notes

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Software Policy:

Extended Software Protection Policy (Maintenance)

Software Protection and Telephone Support is provided direct through Lilly Software Associates under the Product Software Warranty for the initial 90 days of the product license, then in annual increments under a separately purchased Annual Extended Software Protection Agreement (Maintenance) following the initial 90 day period. Customers will be invoiced automatically for the extended maintenance fee 30 days prior to the beginning of the next period. Customers who subscribe to Maintenance are entitled to receive the services described below under Section I.

Customers not covered under a Maintenance Policy are not entitled to receive the services described in Section I, which include, but are not limited to, software updates and technical phone support.

Services not covered under the Maintenance Policy are described in Section II. These services can be made available at an addition charge through either the local Lilly Software Associate Reseller or Lilly Software Corporate offices. Services provided under Section II are considered Consulting Services, and are billable at the current consulting rate.

Lilly Software reserves the right to determine those services that will be provided to customers not enrolled under a Maintenance Agreement, and likewise, those services provided to customers enrolled under a Maintenance Agreement that are not described under Section I.

Services provided under Maintenance are subject to change without notice. Services provided by the Lilly Software Associate Reseller are independent of the services listed herein.

Lilly Software does not offer a Pay Per Incident or “Pay As You Go” Maintenance option.

Section I: Services Provided Under Software Protection

- Unlimited technical phone support Monday - Friday 8:00AM - 8:00PM EST which includes:
 - Technical support on the VISUAL Enterprise Suite.
 - VE basic application support.
 - VE database schema support for the following licensed databases: SQLBase, Oracle, OS400/DB2, SQL Server
 - Technical database and systems support.
 - Technical product upgrade support.
 - VE Crystal User Report setup (Integration to VM)

- Web based technical support which includes:
 - Knowledge Portal
 - Software patches
 - Knowledge Database
 - Technical & Application White Papers
 - User Forums
 - Enhancement Forum
 - On-line Support - (Initiate a call log)
 - New product information
 - Marketing Portal
 - Education Portal
 - Collaboration Portal
- Product Updates which include:
 - New Product Features
 - Existing Product Enhancements
 - On-line Documentation
 - Software patches
 - VE database patches
 - Updated Users Guide on CD-ROM
 - On-line Help
 - Maintenance Releases
 - Database server updates - SQLBase only
- Quarterly Corporate Newsletter.
- Invitation to the Annual User Group Conference - (invitation only)
- E-mail access to Customer Support Representatives.

Section II: Services Not Covered Under Software Protection

- Problems related to customer error and/or neglect, or problems associated with third party software.
- Damage to the database caused by hardware, network, improper backup procedures, poorly executed implementation, and/or user error.
- Data file conversion, migration, or transfer from another system.
- Initial installation of the VE software on Users computer.
- Reinstallation the VE software on same or different computer.

- Creation and installation of additional or multiple VE database files.
- Network operating system and hardware support which includes:
 - Hardware installation
 - Software installation
 - Performance Tuning
 - Local and Wide Area Communication issues
 - Citrix MetaFrame installation, configuration, and support
- Problems caused by hardware or software upgrades
- Installation and support of third party software products.
- Consulting Services which includes:
 - VE Product education over the phone.
 - VE Implementation consultation over the phone.
 - VE Product upgrade consultation over the phone.
 - On-site support.
- Custom modification training and support of:
 - Quest Report Writer or Centura Report Builder modifications to the standard QRP's
 - Quest and Quest Reporter report creation and modification
 - Centura Team Developer
 - VE Source Code
 - Crystal Decisions report creation and modifications
 - PriceBook price scripting
 - Marco creation
 - Third party Report Writing Tools
 - Database Schema
 - Database table updates and modification
- EDI Mapping Services
- Installation, Education, and Implementation of eBusiness
- Installation, Education, and Implementation of COM.
- On-site Support

Obtaining Software Support:

Lilly Software provides technical support for the initial 90 days after purchase under the Software Warranty and under the VISUAL Extended Software Protection Policy after that period.

VISUAL Manufacturing 6.3.8

The purpose of this guide is to describe the enhancements you'll encounter in VISUAL Enterprise version 6.3.8. In certain places, numbered procedures appear to guide you through the completion of steps helpful in realizing the full benefits of these new features. The following information adds to but does not supercede information found in the *VISUAL Manufacturing User's Guide*. For a more comprehensive discussion of the enhancements in this manual, consult the VM/VF User's Guide.

Conventions and Symbols:

Note: *Notes appear in note boxes where necessary. Usually notes contain information helpful to completing the procedure, and sometimes direct you to other sources for more information.*

Activating Features

To begin using certain 6.3.8 features you need the correct license keys.

For more on entering license keys, see VISUAL Enterprise Online Help.

Important: *The license key you need depends on the version of VISUAL Enterprise you purchased. License keys activate certain components throughout the system that allow you to take full advantage of special functionality. If you have any questions about license keys or expanding the functionality of your VISUAL Enterprise system, contact your LSA Sales Rep for more information.*

What's New in VISUAL Enterprise 6.3.8?

Part Revision Control

VISUAL 6.3.8 features key enhancements to the existing ECN module and a new part revision control system that allows you to maintain an in-depth revision history for parts, documents, work orders, and engineering masters.

See VISUAL Enterprise Online Help for more information.

ECN Enhancements

6.3.8 features several ECN enhancements, including a control that limits the number of active ECN per object and the ability to update a revision after a group of approval tasks has been completed.

[Click here for more on ECNs.](#)

See VISUAL Enterprise Online Help for more information.

VISUAL Financials® Global Edition

6.3.8 also features integration between VISUAL Enterprise and the new Financials offering, VISUAL Financials® Global Edition.

Created by Lilly using the Microsoft .NET Framework, VISUAL Financials Global Edition enables companies to work within a multi-company and multi-currency environment with support for global consolidation and to plan cash flows based on user-defined calendars. The application allows users to document all production and warehouse-related financial transactions and to segment financial data into appropriate entities for improved statistical and budget tracking and reporting. It promotes faster, accurate, real-time transactions and provides managers across all levels of the company with the information they need to make more informed business decisions. VISUAL Financials Global Edition is an advanced application to help manage all of your company's accounting and cash management demands.

In order to make the transition to VFIN as smooth as possible, VISUAL Enterprise offers a series of tools and utilities that allow you to migrate key pieces of financial information, such as entities, WIP costs, and calendar periods through VISUAL Exchange and into your new VFIN database. These tools include:

- Calendar Maintenance
- Close/Reopen Maintenance
- WIP Maintenance
- Entity Maintenance
- G/L Account Interface Maintenance

Current VISUAL Enterprise users who do not use VISUAL Financials, can use these tools to establish a baseline of data for importation into VFIN.

See VISUAL Enterprise Online Help for more information.

VISUAL Enterprise/VISUAL Distribution

6.3.8 also features enhancements to the integration of VISUAL Enterprise and VISUAL Distribution. Interoperability has been enhanced, with most entry windows now supporting the sharing of VISUAL Distribution data. New features include:

- Enhancements for Third Party Logistics (3PL)
- Enhanced Traceability options
- Enhanced Shipping options
- Other Enhancements

See VISUAL Enterprise Online Help for more information.

Increased Availability of Macros and User-defined Reports

Macros and User-defined reports are now available in almost every VISUAL window. For a list of all windows that support macros and user-defined reports, see VISUAL Enterprise Online Help.

Table	Columns	Type	Length	Nulls	Existing Table w/added or modified columns
STAGE	ID*	VARCHAR	15	NOT NULL	
	DESCRIPTION	VARCHAR	80		
	PROFILE	CHAR	1		
	ALPHA_PREFIX	VARCHAR	8		
	STARTING_NUMBER	INTEGER,			
	ENDING_NUMBER	INTEGER,			
	ALPHA_SUFFIX	VARCHAR	8		
	LEADING_ZEROS	CHAR	1		
	DECIMAL_PLACES	SMALLINT			
	OMIT_LETTERS	VARCHAR	50		
REVISION_NUMBERING	STAGE_ID*	VARCHAR	15	NOT NULL	
	LINE_NO*	SMALLINT		NOT NULL	
	REVISION_ID	VARCHAR	8		
REVISION_HISTORY	REVISION_ID*	VARCHAR	8	NOT NULL	
	TYPE*	CHAR	1	NOT NULL	
	STAGE_ID	VARCHAR	15		
	HISTORY_ID*	VARCHAR	30	NOT NULL	
	COMMENTS	VARCHAR	250		
	USER_ID	VARCHAR	20	NOT NULL	
	CREATE_DATE	DATETIME		NOT NULL w/DEFAULT	
EXPIRED_PWD	USER_ID*	VARCHAR	16	NOT NULL	
	CYCLE_NO*	INTEGER		NOT NULL	
	USER_PWD	VARCHAR	12	NOT NULL	
PAYABLE_BINARY	VOUCHER_ID*	VARCHAR	15	NOT NULL	
	TYPE*	CHAR	1	NOT NULL	
	BITS	LONG VARCHAR			
	BITS_LENGTH	INTEGER		NOT NULL,	
WORKFLOW	TYPE*	VARCHAR	30	NOT NULL	
	VMHOOK*	VARCHAR	30	NOT NULL	
	ID*	VARCHAR	30	NOT NULL	
	DOC_ID*	VARCHAR	30	NOT NULL	

	ACTIVE	VARCHAR	30		
	DBTABLE	VARCHAR	30		
	DIAGRAM	LONG VARCHAR			
APPLICATION_GLOBAL	ONE_ECN_PER_PART	CHAR	1		Y
	ONE_ECN_PER_DOC	CHAR	1		Y
	ONE_ECN_PER_WO	CHAR	1		Y
	ONE_ECN_PER_MSTR	CHAR	1		Y
	ONE_ECN_PER_PRJ	CHAR	1		Y
	ECN_AUTH_LABEL	VARCHAR	10		Y
	ECN_IMPL_LABEL	VARCHAR	10		Y
	ECN_APRV_LABEL	VARCHAR	10		Y
	ECN_DIST_LABEL	VARCHAR	10		Y
	REQ_CMNT_PWD_REQ	CHAR	1		Y
	COST_BY_TRACE_ID	CHAR	1		Y
DOCUMENT	REVISION_ID	VARCHAR	8		Y
	STAGE_ID	VARCHAR	15		Y
	ECN_REV_CONTROL	CHAR	1		Y
	USER_1	VARCHAR	80		Y
	USER_2	VARCHAR	80		Y
	USER_3	VARCHAR	80		Y
	USER_4	VARCHAR	80		Y
	USER_5	VARCHAR	80		Y
	USER_6	VARCHAR	80		Y
	USER_7	VARCHAR	80		Y
	USER_8	VARCHAR	80		Y
	USER_9	VARCHAR	80		Y
	USER_10	VARCHAR	80		Y
	UDF_LAYOUT_ID	VARCHAR	15		Y
EC	UPDATE_PART_REV	CHAR	1		Y
	UPDATE_DOC_REV	CHAR	1		Y
	UPDATE_LEVEL	VARCHAR	5		Y
EC_LINE	UPDATE_REV	CHAR	1		Y
	NEW_STAGE_ID	VARCHAR	15		Y
	OLD_REVISION_ID	VARCHAR	8		Y

	NEW_REVISION_ID	VARCHAR	8		Y
	REV_INCORPORATED	CHAR	1		Y
PART	REVISION_ID	VARCHAR	8		Y
	STAGE_ID	VARCHAR	15		Y
	ECN_REV_CONTROL	CHAR	1		Y
	IS_KIT	CHAR	1		Y
LABEL_FORMAT	LABEL_MULT_FLAG	CHAR	1		Y
PART_SHIPPING	DOCK_CODE	VARCHAR	20		Y
PROJECT_INFO	DEFAULT_WBS_CODE	VARCHAR	30		Y
	DEF_REF_SUB_ID	VARCHAR	3		Y
	DEF_REF_SEQ_NO	SMALLINT			Y
	CONTRACT_ID	VARCHAR	40		Y - Modify
APPLICATION_USER	USE_DIFF_PASS	CHAR	1		Y
	RETIRE_PASSWORD	CHAR	1		Y
	PASS_LAST_CHANGED	DATE			Y
	RETIRE_PASS_DAYS	INTEGER			Y
	REUSE_PASSWORD	CHAR	1		Y
	REUSE_AFTER	INTEGER			
CUSTOMER	TOTAL_OPEN_SHIPPED DEC	DECIMAL	15,2		Y
PROJECT_SUMMARY	ID*	VARCHAR	15	NOT NULL	
	DESCRIPTION	VARCHAR	80		
	PROJECT_ID	VARCHAR	15		
	PROJECT_SUMM_TYPE	VARCHAR	1		
	WORKORDER_TYPE	CHAR	1		
	WORKORDER_BASE_ID	VARCHAR	30		
	WORKORDER_LOT_ID	VARCHAR	3		
	WORKORDER_SPLIT_ID	VARCHAR	3		
	WORKORDER_SUB_ID	VARCHAR	3		
	OPERATION_SEQ_NO	SMALLINT			
	WBS_CODE	VARCHAR	30		
	DEPARTMENT_ID	VARCHAR	15		

	COST_CATEGORY_ID	VARCHAR	15		
	RESOURCE_ID	VARCHAR	15		
	RATE_ID	VARCHAR	15		
	ACCOUNT_YEAR	DECIMAL	4		
	ACCOUNT_PERIOD	DECIMAL	2		
	AMOUNT	DECIMAL	15,2		
	HOURS	DECIMAL	15,2		
	APPLY_BURDEN	CHAR	1		
	OVERHEAD_FLAG	CHAR	1		
	CREATE_DATE	DATE			
ADV_SHIP_NOTICE	ID	VARCHAR	20		Y - Modify
	BOL_ID	VARCHAR	20		Y - Modify
AMTS_PENDING_TRANS	BOL_ID	VARCHAR	20		Y - Modify
BOL	ID	VARCHAR	20		Y - Modify
	ASN_ID	VARCHAR	20		Y - Modify
BOL_LINE	BOL_ID	VARCHAR	20		Y - Modify
CUSTOMER_BOOKINGS	REVISION_ID	VARCHAR	8		Y
CUSTOMER_ORDER	OWNER_ID	VARCHAR	15		Y
	CONSOLIDATION_ID	VARCHAR	30		Y
	MARK_FOR_ID	VARCHAR	20		Y
	MARK_FOR_ADDR_NO	INTEGER			Y
	COD_AMOUNT	DECIMAL	14,4		Y
	FREIGHT_BILL_ACCT	VARCHAR	30		Y
	REVISION_ID	VARCHAR	8		Y
CARTON	BOL_ID	VARCHAR	20		Y - Modify
CUST_LINE_DEL	MARK_FOR_ID	VARCHAR	20		Y
CUST_BOOK_DEL	REVISION_ID	VARCHAR	8		Y
CUST_BOOK_LINE	REVISION_ID	VARCHAR	8		Y

CUST_LINE_TRC_CTL	CUST_ORDER_ID*	VARCHAR	15	NOT NULL	
	CUST_ORDER_LINE_NO*	INTEGER		NOT NULL	
	SERIAL_ID_CTL	VARCHAR	170		
	LOT_ID_CTL	VARCHAR	170		
	APROPERTY_1_CTL	VARCHAR	170		
	APROPERTY_2_CTL	VARCHAR	170		
	APROPERTY_3_CTL	VARCHAR	170		
	APROPERTY_4_CTL	VARCHAR	170		
	APROPERTY_5_CTL	VARCHAR	170		
	NPROPERTY_1_CTL	VARCHAR	40		
	NPROPERTY_2_CTL	VARCHAR	40		
	NPROPERTY_3_CTL	VARCHAR	40		
	NPROPERTY_4_CTL	VARCHAR	40		
	NPROPERTY_5_CTL	VARCHAR	40		
	EXPIRE_DATE_CTL	VARCHAR	50		
	PROD_DATE_CTL	VARCHAR	50		
	REC_BY_DATE_CTL,	VARCHAR	50		
	AVAILABLE_DATE_CTL	VARCHAR	50		
	SHIP_BY_DATE_CTL	VARCHAR	50		
CUST_ORDER_LINE	OWNER_ID	VARCHAR	15		Y
	TRACE_QTY	DECIMAL	14,4		Y
	QA_QTY	DECIMAL	14,4		Y
	MARK_FOR_ID	VARCHAR	20		Y
CUSTOMER_RELATION	OWNER_CUST_ID	VARCHAR	15	NOT NULL	
	SELL_TO_CUST_ID	VARCHAR	15	NOT NULL	
IBT	OWNER_ID	VARCHAR	15		Y
IBT_LINE	OWNER_ID	VARCHAR	15		Y
	TRACE_QTY	DECIMAL	14,4		Y
IBT_LINE_TRC_CTL	IBT_ID	VARCHAR	15	NOT NULL	
	IBT_LINE_NO	INTEGER		NOT NULL	
	SERIAL_ID_CTL	VARCHAR	170		
	LOT_ID_CTL	VARCHAR	170		

	APROPERTY_1_CTL	VARCHAR	170		
	APROPERTY_2_CTL	VARCHAR	170		
	APROPERTY_3_CTL	VARCHAR	170		
	APROPERTY_4_CTL	VARCHAR	170		
	APROPERTY_5_CTL	VARCHAR	170		
	NPROPERTY_1_CTL	VARCHAR	40		
	NPROPERTY_2_CTL	VARCHAR	40		
	NPROPERTY_3_CTL	VARCHAR	40		
	NPROPERTY_4_CTL	VARCHAR	40		
	NPROPERTY_5_CTL	VARCHAR	40		
	EXPIRE_DATE_CTL	VARCHAR	50		
	PROD_DATE_CTL	VARCHAR	50		
	REC_BY_DATE_CTL	VARCHAR	50		
	AVAILABLE_DATE_CTL	VARCHAR	50		
	SHIP_BY_DATE_CTL	VARCHAR	50		
IBT_SHIPPER	ASN_ID	VARCHAR	20		Y - Modify
	BOL_ID	VARCHAR	20		Y - Modify
PALLET	BOL_ID	VARCHAR	20		Y - Modify
PURCHASE_ORDER	OWNER_ID	VARCHAR	15		Y
PURC_LINE_TRC_CT	PURC_ORDER_ID*	VARCHAR	15	NOT NULL	
	PURC_ORDER_LINE_NO*	INTEGER		NOT NULL	
	SERIAL_ID_CTL	VARCHAR	170		
	LOT_ID_CTL	VARCHAR	170		
	APROPERTY_1_CTL	VARCHAR	170		
	APROPERTY_2_CTL	VARCHAR	170		
	APROPERTY_3_CTL	VARCHAR	170		
	APROPERTY_4_CTL	VARCHAR	170		
	APROPERTY_5_CTL	VARCHAR	170		
	NPROPERTY_1_CTL	VARCHAR	40		
	NPROPERTY_2_CTL	VARCHAR	40		
	NPROPERTY_3_CTL	VARCHAR	40		
	NPROPERTY_4_CTL	VARCHAR	40		
	NPROPERTY_5_CTL	VARCHAR	40		
	EXPIRE_DATE_CTL	VARCHAR	50		

	PROD_DATE_CTL	VARCHAR	50		
	REC_BY_DATE_CTL	VARCHAR	50		
	AVAILABLE_DATE_CTL	VARCHAR	50		
	SHIP_BY_DATE_CTL	VARCHAR	50		
PURC_ORDER_LINE	QA_QTY DECIMAL	DECIMAL	14,4		Y
	OWNER_ID VARCHAR	VARCHAR	15		Y
	TRACE_QTY DECIMAL	DECIMAL	14,4		Y
REASON	GL_ACCOUNT_ID	VARCHAR	30		Y
RMA_SYNC	EVENT_ID*	INTEGER		NOT NULL	
	TYPE	CHAR	1	NOT NULL	
	CREATE_DATE	DATETIME		NOT NULL w/DEFAULT	
	RMA_ID	VARCHAR	30	NOT NULL	
	EXCEPTION	CHAR	1	NOT NULL	
	SUBSCRIPTIONS	INTEGER		NOT NULL w/DEFAULT	
SHIPPER	ASN_ID	VARCHAR	20		Y - Modify
	BOL_ID	VARCHAR	20		Y - Modify
SHIPPER_LINK	BOL_ID	VARCHAR	20		Y - Modify
TARE	BOL_ID	VARCHAR	20		Y - Modify
TRACE	OWNER_ID	VARCHAR	15		Y
	LOT_ID	VARCHAR	30		Y
	SERIAL_ID	VARCHAR	30		Y
	COMMITTED_QTY	DECIMAL	14,4		Y
	PRODUCTION_DATE	DATE			Y
	RECEIVE_BY_DATE	DATE			Y
	AVAILABLE_DATE	DATE			Y
	SHIP_BY_DATE	DATE			Y
TRACE_HISTORY	OWNER_ID	VARCHAR	15		Y
	LOT_ID	VARCHAR	30		Y
	SERIAL_ID	VARCHAR	30		Y
	COMMITTED_QTY	DECIMAL	14,4		Y

	PRODUCTION_DATE	DATE			Y
	RECEIVE_BY_DATE	DATE			Y
	AVAILABLE_DATE	DATE			Y
	SHIP_BY_DATE	DATE			Y
TRACE_DATE	PART_ID	VARCHAR	30	NOT NULL	
	DATE_NAME	VARCHAR	20	NOT NULL	
	TRACE_DAYS	INTEGER			
	FROM_DATE_NAME	VARCHAR	20		
	CLASS_ID	CHAR	1		
TRACE_PROFILE	OWNERSHIP	CHAR	1		Y
	LOT	CHAR	1		Y
	SERIAL	CHAR	1		Y
	COLOCATE_OWNERS	CHAR	1		Y
	COLOCATE_LOTS	CHAR	1		Y
	EXPIRATION	CHAR	1		Y
	COLOCATE_ALPHAS	CHAR	1		Y
	COLOCATE_NUMERICS	CHAR	1		Y
	ACCEPT_EXPIRED_RCV	CHAR	1		Y
	OWNERSHIP_KNOWN	CHAR	1		Y
	LOT_KNOWN	CHAR	1		Y
	SERIAL_KNOWN	CHAR	1		Y
	EXPIRATION_KNOWN	CHAR	1		Y
	APROPERTY_1_KNOWN	CHAR	1		Y
	APROPERTY_2_KNOWN	CHAR	1		Y
	APROPERTY_3_KNOWN	CHAR	1		Y
	APROPERTY_4_KNOWN	CHAR	1		Y
	APROPERTY_5_KNOWN	CHAR	1		Y
	NPROPERTY_1_KNOWN	CHAR	1		Y
	NPROPERTY_2_KNOWN	CHAR	1		Y
	NPROPERTY_3_KNOWN	CHAR	1		Y
	NPROPERTY_4_KNOWN	CHAR	1		Y
	NPROPERTY_5_KNOWN	CHAR	1		Y
	COUNT_DETAIL	CHAR	1		Y
	PRODUCTION	CHAR	1		Y
	PRODUCTION_KNOWN	CHAR	1		Y
	COLOCATE_PROD	CHAR	1		Y

	RECEIVE_BY	CHAR	1		Y
	RECEIVE_BY_KNOWN	CHAR	1		Y
	COLOCATE_REC_BY	CHAR	1		Y
	AVAILABLE	CHAR	1		Y
	AVAILABLE_KNOWN	CHAR	1		Y
	COLOCATE_AVAILABLE	CHAR	1		Y
	SHIP_BY	CHAR	1		Y
	SHIP_BY_KNOWN	CHAR	1		Y
	COLOCATE_SHIP_BY	CHAR	1		Y
TRACE_INV_TRANS	COSTED_QTY	DECIMAL	14,4		Y
	COSTED_QTY			NOT NULL w/DEFAULT	Y - Modify
VMDI_CSH_LINE	ASN_ID	VARCHAR	20		Y - Modify
	BOL_ID	VARCHAR	20		Y - Modify

* Indicates Primary Key

Y - New column in existing table

Y - Modify - Existing column modified