

Big Business 14 ReadMe

March 12, 2024

Welcome to Big Business 14!

Big Business 14 is a new Database, for new computers.
Big Business 14.111 updates Auto-Zoom Prefs.

- **macOS Sonoma, Ventura, Monterey**
- **Microsoft Windows 11, Windows 10**
- **Windows Server 2022, 2019, 2016**

To **Update** from an earlier release of Big Business 14, download and install the new Big Business Server. Updating requires Support.

To **Upgrade** from an earlier version of Big Business, download and install the new Big Business Server. Then, install new Big Business Clients and connect. Upgrading requires Registration.

Notes

To install on Macs :

1. Run the installer and click **OK** for not scanned.
2. **Go to** Apple menu, System Preferences, **Security**.
3. Click **Open Anyway**.
4. Run the installer again and click **Open**.

Features and Fixes

14.111 Features:

- Chapter 39 Auto-Zoom Prefs ([8086](#)) — *add for ref.*
- Contacts Role Name ([8085](#)) — *add to Contacts card*
- Contacts Ship Address 3 ([8084](#)) — *add to Co. Upgrade*
- Chapter 623 Customer Type Groups ([8009](#)) — *fix*

14.110 Features:

- Chapter 111 Company Upgrade ([8083](#)) — *add for ref.*
- CRM Controls ([8082](#)) — *add to Company Upgrade*
- Auto-Invoice Controls ([8081](#)) — *add to Co. Upgrade*
- Any API ([8080](#)) — *add for reference*
- Add Users ([8079](#)) — *add for reference*

14.109 Features:

- Chapter 206 Contacts Search ([8078](#)) — *add for ref.*
- Contacts Filter ([8077](#)) — *add for reference*
- Contacts Ship ID ([8076](#)) — *add for reference*
- Contacts Ship Attention ([8075](#)) — *add for reference*
- Contacts Search ([8074](#)) — *add for reference*

14.108 Features:

- Chapter 123 Backup Admin ([8073](#)) — *add for ref.*
- Backup Update ([8072](#)) — *update to load Settings*
- Backup Settings ([8071](#)) — *update to keep Settings*
- Client Connection ([8070](#)) — *update to load quickly*
- Second Client ([8069](#)) — *update to save each Server*
- Tool Tips ([8068](#)) — *update to hide Info (i) buttons*

14.107 Features:

- Chapter 22 Importing ([8067](#)) — *add for reference*
- Import Save As ([8066](#)) — *update New Import*
- Import Tag ([8065](#)) — *add pulldown for Tags*
- Don't Import Header ([8064](#)) — *update to preselect*

- Import Mapping ([8063](#)) — *update on Contact card*

14.106 Features:

- Update Contacts Import ([8062](#)) — *add new Import*
- Contacts Export ([8061](#)) — *update for Contact Import*
- Contact Store ([8060](#)) — *update on Contact card*

14.105 Features:

- Any Name ([8059](#)) — *change from All Names*
- Comment Dialog ([8058](#)) — *update to window*
- Mac Server Install ([8057](#)) — *add for reference*
- Mac Server Requirements ([8056](#)) — *add for ref.*
- Server App ([8055](#)) — *add for reference*
- Chapter 120 Mac Server Setup ([8054](#)) — *add*
- Numbers for Mac ([8053](#)) — *add for reference*

14.104 Features:

- Chapter 106 Contact Admin ([8052](#)) — *add for ref.*
- Matching Address ([8051](#)) — *add to Contact Import*
- Matching Ship ID ([8050](#)) — *add to Contact Import*
- Matching Contacts ([8049](#)) — *add to Contact Import*
- Postgres Settings ([8048](#)) — *add for Live Archive*
- Postgres Connections ([8047](#)) — *add to Company*

14.103 Features:

- Chapter 143 Live Archive ([8046](#)) — *add for ref.*
- Postgres.app Install ([8045](#)) — *add for reference*
- Postgres Registration ([8044](#)) — *add to Upgrade*
- Live Archive ([8043](#)) — *add for reference*

14.102 Features:

- Chapter 142 Postgres Connect ([8042](#)) — *add for ref.*
- Postgres Connect ([8041](#)) — *add for reference*
- PostgreSQL for Windows ([8040](#)) — *add for reference*
- Postgres.app for Mac ([8039](#)) — *add for reference*

14.101 Features:

- Chapter 99 Online Help (8038) — *add for reference*
- Currency Customer Prefs (8037) — *add*
- Currency A/R Exchange Account (8036) — *add*
- Currency A/R Account (8035) — *add*
- Currency Vendor Prefs (8034) — *add*
- Currency A/P Exchange Account (8033) — *add*
- Currency A/P Account (8032) — *add*
- Currency Bank Prefs (8031) — *add*
- Currency Gain/Loss Account (8030) — *add*
- Adding Currencies (8029) — *add*
- Chapter 352 Setting Up Currencies (8028) — *add*
- Chapter 152 Selling In Currencies (8027) — *add*
- Foreign Currency Payment Postings (8026) — *add*
- Foreign Currency Payment (8025) — *add*
- Foreign Currency Invoice Postings (8024) — *add*
- Foreign Currency Invoice (8023) — *add*
- Foreign Currency Order (8022) — *add*

14.100 Features:

- Order Auto-Invoice (8021) — *add for testing*
- Foreign Currency Printing (8020) — *add for reference*
- Foreign Currency Quote (8019) — *add for reference*
- Foreign Currency Customer (8018) — *add for reference*
- Expanded Order Fixes (8017) — *fix Currency tab order*

14.99 Features:

- Using Currencies (8016) — *add for reference*
- Hide Customer Forms (8015) — *add to Hide/Show*
- Version Numbers (8014) — *add for reference*
- BigBusiness Extras (8013) — *add to Mac Single User*
- Shipping Connect (8012) — *add for reference*
- Hide/Show (6770) — *update for Hide Customer Forms*

14.98 Features:

- A/R Cutoff ([8011](#)) — *add to optimize*
- A/P Custom Fields ([8010](#)) — *add for parity*
- Chapter 623 Customer Type Groups ([8009](#)) — *add*
- A/R Custom Fields ([8008](#)) — *add for reference*
- Get Forms ([7987](#)) — *update to restore*

14.97 Features:

- A/P Cutoff ([8006](#)) — *add to optimize*

14.96 Features:

- Chapter 204 Accounts Payable ([8005](#)) — *add*
- A/P Aging Summary by Due Date ([8004](#)) — *add*
- A/P Aging by Due Date ([8003](#)) — *add*
- A/P Aging Summary ([8002](#)) — *add*
- A/P Aging ([8001](#)) — *add*

14.95 Features:

- ReadMe Files ([8000](#)) — *add for reference*
- Map Contacts ([7999](#)) — *add for reference*

14.94 Features:

- Memorize Bill ([7998](#)) — *add for reference*
- Memorize Invoice ([7997](#)) — *add for reference*
- Chapter 87 Memorize ([7996](#)) — *update for reference*

14.93 Features:

- Setup Files ([7995](#)) — *add to Server Resources*
- Sales Tax Groups ([7725](#)) — *update for reference*
- Sales Tax Groups ([6199](#)) — *update for reference*

14.92 Features:

- Create Contact ([7994](#)) — *add for reference*
- Hub ID ([7993](#)) — *add to Contacts Search*
- Cloud Services ([7992](#)) — *update for Hub Button*

- Hub Button ([7991](#)) — *add for creating Contacts*
- HubSpot Connections ([7983](#)) — *update for selection*

14.91 Features:

- Chapter 109 Accounts Admin ([7990](#)) — *add*
- Other Liabilities ([7989](#)) — *update Accounting Prefs*
- Auto Help ([7614](#)) — *update for Account Types*
- Balance Sheet, Omit Zeroes, New ([7613](#)) — *update*
- Balance Sheet, New ([7610](#)) — *update Account Types*
- Account Types ([7609](#)) — *update for Other Liabilities*

14.90 Features:

- Chapter 116 Print Options ([7988](#)) — *add for reference*
- Get Forms ([7987](#)) — *get Forms preset for Customer*
- Set Forms ([7986](#)) — *add Set Forms on Customer*
- Forms Access ([7985](#)) — *add to Employee Access*
- Forms Tab ([7984](#)) — *add to Customer Card Prefs*

14.89 Features:

- HubSpot Connections ([7983](#)) — *update for reference*
- Background Fixes ([7897](#)) — *fix Company in Compact*
- HubSpot Settings ([7405](#)) — *update for reference*
- HubSpot Registering ([7401](#)) — *update for reference*
- Chapter 313 HubSpot Connect ([7400](#)) — *update*

14.88 Features:

- Chapter 79 QuickSupport ([7982](#)) — *add for reference*
- QuickSupport Windows ([7981](#)) — *add for reference*
- QuickSupport Mac ([7980](#)) — *add for reference*
- QuickSupport Update ([7761](#)) — *update TeamViewer*

14.87 Features:

- Web Server Update ([7979](#)) — *add automatic config.*
- Web Server Error ([7978](#)) — *fix package permissions*
- macOS Monterey ([7977](#)) — *update to minimum sys.*

- Chapter 26 Web Server ([7976](#)) — *add for content*
- Mac Install (New) ([7975](#)) — *add for disk images*

14.86 Features:

- Disk Images ([7974](#)) — *update for reference*
- Instant Upgrade ([6974](#)) — *update for reference*
- Instant Upgrade ([6974](#)) — *update for reference*

14.85 Features:

- Cannot Edit Inactive ([7972](#)) — *update for Checkbox*
- Send Dialog ([7971](#)) — *update for resize*
- Inactive Access ([7970](#)) — *add to Employee Access*
- Edit Inactive ([7969](#)) — *add lock for Checkbox*
- Advanced Print Options ([7968](#)) — *add for reference*
- Access Privileges ([3103](#)) — *update for Inactive*

14.84 Features:

- PDF Emailer Update ([7967](#)) — *for Windows 11*
- Status Controls ([7966](#)) — *add for reference*
- Terms Access ([7965](#)) — *add to Employee Access*
- Chapter 81 Mark ([7203](#)) — *update for reference*
- Access Privileges ([3103](#)) — *update for reference*

14.83 Features:

- Custom Forms Update ([7964](#)) — *for macOS Ventura*
- Customer Group Credit Locked ([7963](#)) — *Terms Access*
- Customer Quote, Order, Invoice ([7962](#)) — *add for ref.*
- Chapter 3 Customers ([7961](#)) — *add for reference*
- Customer Agings ([7960](#)) — *add for reference*
- Customer Statements ([7959](#)) — *add for reference*
- Customer Finance Charges ([7958](#)) — *add for reference*
- Customer Payment Discounts ([7957](#)) — *add for reference*

14.82 Features:

- Customer Credit Hold Days ([7956](#)) — *add for reference*

- Customer Credit Limits ([7955](#)) — *add for reference*
- Customer Credit Settings ([7954](#)) — *add for reference*
- Customer Terms ([7953](#)) — *add for reference*
- Vendor Copy Comments ([7952](#)) — *add for PO and Bill*
- Chapter 103 Customer Credit ([7951](#)) — *add for ref.*
- Credit Hold ([7950](#)) — *add for reference*

14.81 Features:

- Customer Group Credit Hold Days ([7949](#)) — *add*
- Customer Group Credit Hold ([7948](#)) — *add*
- Customer Group Credit Limit ([7947](#)) — *add*
- Chapter 621 Customer Group ([7946](#)) — *add for ref.*
- WooCommerce Custom Timeouts ([7945](#)) — *add*
- Ecommerce Timeouts ([7942](#)) — *update Big Four*

14.80 Features:

- Mark On Hold ([7944](#)) — *add to Orders List*
- Auto-Apply Deposits ([7940](#)) — *update for Prepayments*
- MRP Access ([7488](#)) — *update for Mark On Hold*
- Update Employee ([6717](#)) — *update for Mark On Hold*
- Employee Search ([6623](#)) — *update for Mark On Hold*
- Access Privileges ([3103](#)) — *update for Set Status*

14.79 Features:

- Set Status ([7943](#)) — *add to Employee Access*
- Ecommerce Timeouts ([7942](#)) — *update Auto-Connect*
- Payment Prefs ([7941](#)) — *add to Customer Prefs*
- Auto-Apply Deposits ([7940](#)) — *add to Payment Prefs*
- Customer Prefs ([7694](#)) — *update for Payment Prefs*

14.78 Features:

- Edit Checkboxes ([7939](#)) — *test with Credit Hold*
- Searches Resizing ([7938](#)) — *fix for reducing size*
- Edit Terms ([7937](#)) — *add lock for Checkbox*
- Background File ([7874](#)) — *update for reference*

14.77 Features:

- Chapter 620 Spell Check ([7936](#)) — *add for reference*
- Automatic Correction ([7935](#)) — *add for reference*
- Spell Check Menu ([7934](#)) — *add for reference*
- Context Menu ([7933](#)) — *add for all Fields*
- Spell Check ([7932](#)) — *add for all Fields*
- Spell Prefs ([7931](#)) — *add to Company and My Prefs*
- Quantity Format ([7482](#)) — *fix Units of Measure*
- Shop Prefs ([6637](#)) — *remove as unused*

14.76 Features:

- Swirl Background ([7929](#)) — *add for testing*
- Splotch Background ([7928](#)) — *add for testing*
- Patterned Background ([7927](#)) — *add for testing*
- Pastel Background ([7926](#)) — *add for testing*
- Grid Background ([7925](#)) — *add for testing*
- Foil Background ([7924](#)) — *add for testing*
- Binder Background ([7923](#)) — *add for testing*
- Bayou Background ([7922](#)) — *add for testing*
- WooCommerce Auto-Connect ([7921](#)) — *update*

14.75 Features:

- WooCommerce Store ([7920](#)) — *add Advanced*
- WooCommerce Entered By ([7919](#)) — *add Advanced*
- WooCommerce Salesperson ([7918](#)) — *add Advanced*
- WooCommerce Default Customer ([7917](#)) — *add Adv.*
- Shopify Store ([7916](#)) — *add Advanced*
- WooCommerce Payment Method ([7915](#)) — *add Adv.*
- Printer Port Error ([7914](#)) — *for reference*
- Convert Orders TaxJar ([7912](#)) — *update for TaxJar*

14.74 Features:

- Convert Orders Auto-Build ([7913](#)) — *update Import*
- Convert Orders TaxJar ([7912](#)) — *update Import*

- Convert Orders Fields ([7911](#)) — *update Invoice*
- Convert Orders Response ([7910](#)) — *update Orders*
- WooCommerce Delete ([7909](#)) — *add in Settings*
- WooCommerce Update ([7908](#)) — *for reference*

14.73 Features:

- Add Prices Error ([7907](#)) — *for reference*
- Dialog Backgrounds ([7906](#)) — *update Assertion*
- Add Prices Export ([7905](#)) — *Quotes, Orders, Invoices*
- Convert Orders ([7901](#)) — *update Import*

14.72 Features:

- Chapter 619 Convert Orders ([7904](#)) — *add for ref*
- Convert Orders Errors ([7903](#)) — *add for reference*
- Shipped Orders ([7902](#)) — *update dialogs*
- Convert Orders ([7901](#)) — *add Import for automation*
- iOS Updates ([7900](#)) — *add for reference*

14.71 Features:

- Alignment ([7899](#)) — *for reference*
- Window Alignment ([7898](#)) — *fix Item Adj., Transfer*
- Background Fixes ([7897](#)) — *fix custom Wide Windows*
- Line Numbers Popup ([7893](#)) — *fix Item Adj., Transfer*

14.70 Features:

- Focus Issues ([7896](#)) — *for reference*
- Smart Units ([7895](#)) — *update for tab out*
- Hide Focus Rectangle ([7894](#)) — *fix Quote, Item Code*
- Line Numbers Popup ([7893](#)) — *fix click without focus*
- Employee Listing Frozen ([7892](#)) — *fix opening behind*
- Company Card Checkboxes ([7891](#)) — *fix odd letters*
- Units Defaults ([7890](#)) — *update Show List*

14.69 Features:

- Dark Light Backgrounds ([7889](#)) — *for reference*

- Hacking Backgrounds for Mac ([7888](#)) — *for ref.*
- Hacking Backgrounds for Windows ([7887](#)) — *for ref.*
- Chapter 618 Aesthetics ([7886](#)) — *add for reference*
- Tabbing In ([7885](#)) — *fix Misc Postings*
- Misc Postings ([7884](#)) — *fix Automatic Split*
- Background Files Missing ([7883](#)) — *add for reference*

14.68 Features:

- White Background ([7882](#)) — *add for testing*
- Bubble Background ([7881](#)) — *add for testing*
- Gold Background ([7880](#)) — *add for testing*
- Parchment Backgrounds ([7879](#)) — *add for testing*
- Hue Background ([7878](#)) — *add for testing*
- Marble Background ([7877](#)) — *add for testing*
- Metal Background ([7876](#)) — *add for testing*
- Unicorns Background ([7875](#)) — *add for testing*
- Background File ([7874](#)) — *add for testing*
- Chapter 617 Backgrounds ([7873](#)) — *add for testing*

14.67 Features:

- Ecwid II ([7872](#)) — *add for reference*
- Ecwid Custom Order Statues ([7871](#)) — *add*
- Ecwid Fields ([7176](#)) — *update Orders*

14.66 Features:

- Windows SDI Toolbars ([7870](#)) — *add for reference*
- Windows MDI Toolbars ([7869](#)) — *add for reference*
- Chapter 514 Windows 11 ([7868](#)) — *add for reference*
- Chapter 616 Toolbars ([7867](#)) — *add for reference*
- Mac Toolbars ([7866](#)) — *add for reference*
- Caps Lock, Sonoma ([7865](#)) — *for reference*

14.65 Features:

- Windows 11 2023 ([7864](#)) — *for reference*
- Warehouse Quantities ([7863](#)) — *fix display*

- Library Icons ([7862](#)) — *fix access*
- Classic Toolbar ([7861](#)) — *fix layering*
- Warehouse Available ([7860](#)) — *fix default*
- Aesthetics ([7848](#)) — *update widgets*

14.64 Features:

- Classic Icons ([7859](#)) — *fix*
- Cloud Server (Update) ([7858](#)) — *for reference*
- BigCommerce Update ([7857](#)) — *fix BigCommerce ID*
- Chapter 36 Stores ([7856](#)) — *for reference*
- Stores Update ([7855](#)) — *fix Labels*
- Shopify Setup (New) ([7854](#)) — *for reference*

14.63 Features:

- Planned Build Substitutions ([7853](#)) — *for reference*
- Finance Charges Update ([7852](#)) — *update Listbox*
- Widgets Prefs ([7851](#)) — *add in MyPrefs, Company*
- Planned Builds ([7850](#)) — *add for reference*
- Secure Credit Card Logos ([7849](#)) — *test Widget*
- Aesthetics ([7848](#)) — *update*

14.62 Features:

- Barcode Update ([7847](#)) — *update*
- Barcode Fixes ([7846](#)) — *update*
- Currencies Fixes ([7845](#)) — *update*
- Number Formats Fixes ([7844](#)) — *update*
- Chapter 74 Barcodes ([7178](#)) — *update*
- Chapter 52 Currencies ([5931](#)) — *update*

14.61 Features:

- Sonoma Update ([7843](#)) — *update Mac Clients*
- Icons Optimized ([7842](#)) — *update Windows Clients*
- Wix Tool ([7841](#)) — *removed*
- Icon Mashup ([7839](#)) — *fixed*
- Sonoma Tabs ([7798](#)) — *fixed*

- Built-In Database ([7407](#)) — *updated*

14.60 Features:

- Let's Build ([7840](#)) — *add for reference*
- Icon Mashup ([7839](#)) — *fix needed soon*
- Thumb Image Double-Click ([7838](#)) — *add to Item*
- Thumb Image Drop ([7837](#)) — *add to Item Card*
- Demo Sign-In ([7836](#)) — *add for reference*
- Start a New Data File ([7835](#)) — *add for reference*

14.59 Features:

- BOM Bill Of Materials ([7834](#)) — *update Item Card*
- Import Payment Comments ([7833](#)) — *add for Paid*
- Import Payment Reference # ([7832](#)) — *add for Paid*
- Import Payment Method ([7831](#)) — *add for Paid*
- Shopify Payment Method ([7830](#)) — *add to Settings*
- Chapter 205 BOM Components ([7829](#)) — *add*
- BOM Show Boxes ([7828](#)) — *add to Item Prefs*
- BOM Component Selection ([7827](#)) — *fix for editing*

14.58 Features:

- AWS Terminate Instance ([7826](#)) — *add for reference*
- AWS Cloud Server ([7825](#)) — *add for reference*
- AWS Installing Big Business Client ([7824](#)) — *add*
- AWS Windows Firewall ([7823](#)) — *add for reference*
- AWS Install Big Business Server 14 ([7822](#)) — *add*
- AWS RDP Client ([7821](#)) — *add for reference*
- AWS Security Rules ([7820](#)) — *add for reference*
- AWS Instance Summary ([7819](#)) — *add for reference*
- AWS Launch Instance ([7818](#)) — *add for reference*
- Chapter 69 Cloud Server ([7205](#)) — *update AWS*

14.57 Features:

- Thumb Image ([7817](#)) — *add option on Item Card*
- Chapter 32 Pictures ([7816](#)) — *add for reference*

- Compact Windows ([7815](#)) — *update from Classic*
- Picture Prefs ([7814](#)) — *add to My Prefs, Company Prefs*
- Employees Inactive Access ([7813](#)) — *add for reference*
- Show Inactive Accounts ([7812](#)) — *add for reference*
- Auto Zoom Prefs ([6605](#)) — *update for Compact*

14.56 Features:

- My Prefs Updates ([7811](#)) — *add for reference*
- Diamond Icons ([7810](#)) — *add for legibility and style*
- Contact Fields ([7809](#)) — *update for longer addresses*
- Vendor Fields ([7808](#)) — *update for longer addresses*
- Tool Icons ([7807](#)) — *update for reference*
- Contact Icons ([7806](#)) — *add for legibility*
- Import Vendors ([5158](#)) — *update for reference*

14.55 Features:

- Qty Pricing Options ([7805](#)) — *add for reference*
- Shopify Discount ([7804](#)) — *add for B2B pricing*
- Sign In, Dark ([7803](#)) — *update for legibility*
- Qty Pricing Import ([7802](#)) — *rename for clarity*
- Qty Pricing Tab ([7801](#)) — *update for usability*
- Shopify Properties ([7790](#)) — *fix for new Editions*
- Non-Enterable Background ([7789](#)) — *fix for Sign In*

14.54 Features:

- Chapter 414 macOS Sonoma ([7800](#)) — *add for ref.*
- Sonoma Crash ([7799](#)) — *add for reference*
- Sonoma Tabs ([7798](#)) — *add for reference*
- Sonoma Beta ([7797](#)) — *add for reference*
- macOS Sonoma ([7796](#)) — *add for reference*
- Light Shading ([7795](#)) — *update shading for Light Mode*
- Dark Shading ([7794](#)) — *update shading for Dark Mode*

14.53 Features:

- Chapter 48 Automatic Dates ([7793](#)) — *for reference*

- Created Date ([7792](#)) — *update for Searches, Audit*
- Modified Date ([7791](#)) — *update for Searches, Audit*
- Shopify Properties ([7790](#)) — *update for new Editions*
- Non-Enterable Background ([7789](#)) — *add for Intuitive*
- Customer Since ([5736](#)) — *update for Duplicate*

14.52 Features:

- Inactive Imports ([7788](#)) — *update imports for Inactive*
- Category Selection ([7787](#)) — *fix for single-click edit*
- Shopify Archived ([7786](#)) — *add for reference*
- Shopify Report ([7785](#)) — *add for reference*
- Chapter 223 Shopify Admin ([7784](#)) — *add for reference*

14.51 Features:

- Shopify Auto-Connect ([7781](#)) — *update for Summer '23*
- Shopify Notifications ([7780](#)) — *update for Summer '23*
- Shopify Orders ([7779](#)) — *update for Summer '23*
- Shopify Customers ([7778](#)) — *update for Summer '23*
- Shopify Set Orders ([7777](#)) — *update for Summer '23*
- Shopify Get Orders ([7776](#)) — *update for Summer '23*
- Shopify Access Token ([7775](#)) — *update for Editions*
- Shopify Admin URL ([7774](#)) — *update for Summer '23*
- Shopify Descriptions ([7773](#)) — *update for Summer '23*
- Shopify Settings ([7772](#)) — *update for Summer '23*
- Shopify Token ([7771](#)) — *update for Summer '23*
- Shopify Endpoints ([7770](#)) — *update for Summer '23*
- Shopify Credentials ([7769](#)) — *update for Summer '23*
- Shopify Install ([7768](#)) — *update for Summer '23*
- Shopify Configuration ([7767](#)) — *update for Summer '23*
- Shopify Create ([7766](#)) — *update for Summer '23*
- Shopify Enable ([7765](#)) — *update for Summer '23*
- Chapter 222 Shopify Setup ([7764](#)) — *for Summer '23*

14.50 Features:

- Dialog Type ([7763](#)) — *fix font size in Startup*

- IP Configuration ([7762](#)) — *add for reference*
- QuickSupport Update ([7761](#)) — *update for new systems*
- Update Build Date ([7756](#)) — *fix pop-up in Item Prefs*
- AVR Aging by Due Date Summary ([7290](#)) — *fix Terms*

14.49 Features:

- Start Dates ([7760](#)) — *add to Adjustments columns*
- Build Date ([7759](#)) — *add Dialog to update Build Date*
- Start Date ([7758](#)) — *add to Item Adjustment*
- Pre-Release Builds ([7757](#)) — *add for Planned Build*
- Update Build Date ([7756](#)) — *add for Planned Build*

14.48 Features:

- Chapter 55 MySQL Access ([7755](#)) — *add for reference*
- Mark Released ([7754](#)) — *add to Adjustments for MRP*
- Reset Allocated ([7753](#)) — *update for Planned Builds*
- Double-Click Prefs ([7752](#)) — *add Select, Drill-Down*
- MySQL Access ([7751](#)) — *update for Microsoft Azure*

14.47 Features:

- Chapter 615 Planned Builds ([7750](#)) — *add for reference*
- Item Prefs ([7749](#)) — *add Planned Builds*
- Adjustments Status ([7748](#)) — *add to Item Adjustments*
- Planned Builds ([7747](#)) — *add for allocating components*
- Dialog Color ([7727](#)) — *fix Comments in Dark Mode*

14.46 Features:

- Double-Click to Add ([7746](#)) — *add for faster data entry*
- Subform Restore ([7745](#)) — *update for Drill Down*
- Warehouse Transfer ([7744](#)) — *update for Line Numbers*
- Drill Down ([7743](#)) — *update for Line Items*
- Show Open ([7742](#)) — *update for MRP*
- Dark Mode ([7428](#)) — *update for reference*

14.45 Features:

- Order Release ([7739](#)) — *add for reference*
- Pre-release Checkbox ([7738](#)) — *add to Exp..Order*
- Release Qty ([7737](#)) — *add to Expanded Order*
- Backorder Qty ([7736](#)) — *add to Expanded Order*
- MRP Automation ([7741](#)) — *update MRP Settings*
- MRP Screens ([7740](#)) — *update MRP Settings*
- Warehouse Counts ([7735](#)) — *update MRP Settings*
- Warehouse Allocations ([7734](#)) — *update MRP Settings*
- Item Allocations ([7733](#)) — *update MRP Settings*
- Open Count ([7732](#)) — *add to Warehouse Qtys*

14.44 Features:

- Released Components ([7730](#)) — *update Released Count*
- Warehouse Code ([7729](#)) — *fix to Export as Displayed*
- Begins With Blank ([7728](#)) — *add Search exception*
- Dialog Color ([7727](#)) — *update for Dark Mode*
- Chapter 613 MRP Counts ([7726](#)) — *add for reference*

14.43 Features:

- Sales Tax Groups ([7725](#)) — *update for new requirements*
- Available Count ([7724](#)) — *update for MRP Controls*
- Allocated Count ([7723](#)) — *update for MRP Controls*
- On Hand Count ([7722](#)) — *update for MRP Controls*
- Margin % ([7717](#)) — *add for reference*
- Qty Pricing ([7715](#)) — *update for new requirements*

14.42 Features:

- Customer Prices ([7710](#)) — *add to Item, Price Level tab*
- Order Imports ([7709](#)) — *add for reference*
- Customer Pricing ([7707](#)) — *update Quote, Order, Invoice*
- Chapter 614 Customer Prices ([7711](#)) — *add for ref*
- Chapter 67 Part Numbers ([7712](#)) — *add for reference*

14.41 Features:

- Bank History ([7708](#)) — *update to Withdrawal, Deposit*

- Customer Pricing ([7707](#)) — *add to Company, Advanced*
- Alt Codes Update ([7704](#)) — *update for Customer Margin*
- Drop User ([7429](#)) — *remove from Company, Advanced*
- Customer Price ([7155](#)) — *update Quote, Order, Invoice*

14.40 Features:

- Alt Codes Export ([7705](#)) — *update for Customer Margin*
- Alt Codes Update ([7704](#)) — *update for Customer Margin*
- Alt Codes Search ([7703](#)) — *update for Customer Margin*
- Alt Codes Import ([7702](#)) — *update for Customer Margin*
- Alt Codes ([7701](#)) — *update for Customer Margin*
- Sales Tax ([7700](#)) — *update for modern systems*
- Shopify Invoices ([7699](#)) — *add Mapping template*
- Edit Cost ([7698](#)) — *fix Invoice*

14.39 Features:

- Edit Cost ([7698](#)) — *update Quote, Order, Invoice*
- Customer Prefs ([7695](#)) — *update Receivables Categories*
- Sales Order Prefs ([7693](#)) — *update for Advanced*
- Smart Enterable ([7692](#)) — *update for modern systems*
- Lock Backgrounds ([7691](#)) — *update for modern systems*

14.38 Features:

- Item MRP ([7690](#)) — *add to Item card*
- Price Level ([7689](#)) — *update Big Business from iPad*
- Ship Date ([7688](#)) — *update Big Business from iPad*
- Order Date ([7687](#)) — *update Big Business from iPad*

14.37 Features:

- Setup Registered-To ([7685](#)) — *update Name and Org*
- Setup Company ([7684](#)) — *update Company Info*
- Setup Defaults ([7683](#)) — *update Account Defaults*
- Setup Accounts ([7682](#)) — *update Accounts List*
- Setup Scan ([7681](#)) — *update Customers, Items, Vendors*
- Setup Import ([7680](#)) — *update for new Database*

14.36 Features:

- MRP Settings ([7492](#)) — *update for new settings*
- FileMaker Encoding ([7677](#)) — *update for Bill To, Other*
- Tags List ([7679](#)) — *fix display of Checkmark*
- Warehouse Counts ([7594](#)) — *update for reference*
- Server Gray ([7672](#)) — *add for reference*
- MRP Counts ([7678](#)) — *add for reference*

14.35 Features:

- List Dialog ([7671](#)) — *update for Bill To, Other*
- Billing Address ([7667](#)) — *update Billing Tab*
- Billing Contacts ([7668](#)) — *update Bill To, Other*
- Billing IDs ([7670](#)) — *add to Quote, Order, Invoice*
- WooCommerce Billing ([7666](#)) — *add for reference*
- Sheet Window ([7669](#)) — *remove*

14.34 Features:

- Built-In Database ([7407](#)) — *update built-in Database*
- Default Price ([7663](#)) — *add custom rollover*
- Qty Price Group ([7660](#)) — *update Update*
- Lock State ([7559](#)) — *update Q & A*
- Live Locking ([7662](#)) — *add for reference*
- Windows Service Stops ([7661](#)) — *add for reference*
- Chapter 612 Qty Pricing ([7665](#)) — *add for reference*
- Chapter 96 Locking ([7664](#)) — *add for reference*

14.33 Features:

- Save Server ([7651](#)) — *update to save Server address*
- SDI Toolbar ([7653](#)) — *update Toolbar appearance in SDI*
- SDI Client ([7650](#)) — *add SDI Client for Windows*
- Woo II ([7658](#)) — *update options for WooCommerce*
- Woo Advanced ([7657](#)) — *add for Default Customer, Get*
- Curl Error ([7656](#)) — *add Alert for Authorize.net connection*
- Authorize Response ([7655](#)) — *update Alerts for success*

- Shipping ID (7652) —*add Shipping ID to Searches*
- Colors (7640) —*update Line Item elements*

14.32 Features:

- PDF Emailer (7649) —*update PDF Emailer*
- Colors (7640) —*update Line Item elements*
- Add Prices (7637) —*update Item card, Price Levels tab*

14.31 Features:

- Colors (7640) —*update Sign In, Line Items*
- Add Prices (7637) —*update Imports*
- Invoice Payments (7644) —*add Advanced Listbox*
- Verify Payments (7643) —*update payment links*
- Print Error (7645) — *fix Pointer Error with custom TaxJar*
- TaxJar Fixes (6941) — *fix Table Pointer*
- Chapter 611 Price Levels (7646) — *add for reference*

14.30 Features:

- Invoice Categories (7641) —*update for focus*
- Add Prices (7637) —*update 15 Margins, Defaults*
- Colors (7640) —*update Line Item elements*
- Verify Errors (7642) —*fix for pointers*
- Discounts Printing (7634) — *fix for Orders*
- Field Style (7381) —*remove for coloring*

14.29 Features:

- Colors (7640) —*update Background elements*
- Add Prices (7637) —*add option for 15 Price Levels*
- Item Prefs (6990) —*update Advanced tab*
- Statement Comments (7638) —*fix Boilerplate Text*
- Requisitions Search (7639) —*fix Requisition List printing*
- Subform Color (7632) — *fix coloring for Apple, Windows*
- Shipment Information (7597) — *fix on Invoice*

14.28 Features:

- Locked By (7270) — *update for Status, Period*
- iPad Customer Price Level (7636) — *add for Trade Show*
- Big Business API Contact Info (7560) — *add Price Level*
- Discounts Printing (7634) — *fix for Orders*
- Search Color (7633) — *fix coloring for Apple*
- Chapter 610 Discounts (7635) — *add for reference*

14.27 Features:

- Chapter 96 Locking (7274) — *add for reference*
- Protected Period (7631) — *add for Locked By*
- Locked Period (7630) — *add for Locked By*
- Void Status (7629) — *add for Locked By*
- Reconciled Status (7628) — *add for Locked By*
- Lock Invoices (7382) — *update for Locked By*
- Subform Color (7632) — *fix coloring for Apple*
- Field Style (7381) — *remove for coloring*

14.26 Features:

- Edit Released (7626) — *for reference*
- Red Fields (7625) — *fix coloring for Apple*
- Escape Clause (7624) — *for reference*
- Discount Fields (7623) — *fix coloring for Apple*
- Quick List (7622) — *fix coloring for Apple*
- Show Lines (7621) — *fix to enable access*
- Find Error (7604) — *fix Find Dialog tabbing*
- Listbox Listings (7423) — *fix Sales Tax Listing*

14.25 Features:

- New Reports (7615) — *for reference*
- Import Dialog (7616) — *fix scrolling for Apple*
- Inactive Employees (7617) — *fix Inactive and Load Only*
- Dynamic Fields (7618) — *fix Locking and Coloring*
- AppleScript Error (7619) — *fix Email Subject error*
- Write Access (7620) — *fix naming conflict*
- BigCommerce Digital Products (7608) — *for reference*

14.24 Features:

- Auto Help ([7614](#)) — *add contextual Alerts*
- Balance Sheet, New ([7610](#)) — *add to Reports*
- Account Types ([7609](#)) — *add Auto Help*
- Other Assets ([7605](#)) — *add to Reports Prefs*
- BizApp Customers ([7551](#)) — *update with Shipping*
- API Contact Info ([7560](#)) — *update with Shipping*
- CSV Imports ([7607](#)) — *fix for capitalized extension*
- Paged Forms ([7606](#)) — *add for reference*
- Windows Service Error ([7611](#)) — *add for reference*
- Find Error ([7604](#)) — *fix Find Dialog for multiple rows*

14.23 Features:

- USPS Tracking ([7596](#)) — *add to Shipment Information*
- Shipment Information ([7597](#)) — *unlock Order, Invoice*
- Created Date ([7601](#)) — *update for Q&A, Invoices*
- Modified Date ([7602](#)) — *update for Q&A, Invoices*
- Q&A Help ([7603](#)) — *update for Listbox Listings*
- Send 1099 ([7599](#)) — *fix on Vendors Search*
- Include Status ([7534](#)) — *fix Statuses on Server*
- TaxJar Fixes ([6941](#)) — *fix Created Date*
- Audit Stamp ([7598](#)) — *for reference*
- Chapter 608 Audit Feature ([7600](#)) — *for reference*

14.22 Features:

- Order Qtys ([7595](#)) — *add for testing with MRP*
- Warehouse Counts ([7594](#)) — *add for testing*
- Warehouse Qtys ([6128](#)) — *fix Show, add MRP*
- Listbox Listings ([7423](#)) — *fix Sales Tax Listing*
- Advanced Listboxes ([7512](#)) — *fix Item card*

14.21 Features:

- Full Nine ([7589](#)) — *add full functionality, asap*
- Full Docs ([7588](#)) — *add full details, asap*

- Price Labels Custom ([7575](#)) — *add for trade show*
- XPS Viewer Error ([7577](#)) — *for reference*
- Chapter 228 BizApp Orders ([7542](#)) — *for reference*
- Chapter 607 Other Contacts ([7585](#)) — *for reference*
- Chapter 606 Wix ([7584](#)) — *for reference*
- Chapter 74 Barcodes ([7178](#)) — *update*
- Trade Show ([7574](#)) — *add iPad App for trade show*
- iPad Pairing ([7573](#)) — *update iPad connection*
- iPad Pricing ([7572](#)) — *update iPad custom layouts*
- Customer Terms ([7570](#)) — *add to BizApp Orders*
- Customer Phones ([7571](#)) — *add to BizApp Orders*
- API Contact Info ([7560](#)) — *add Phone3, Phone4*
- Lock State ([7559](#)) — *fix Settings Dialogs*
- Put Customer ([7561](#)) — *add for BizApp Orders*
- Put Order ([7556](#)) — *update Date, Status*
- API Contact Info ([7560](#)) — *for reference*

14.20 Features:

- Put Order ([7556](#)) — *add for BizApp Orders*
- API LInfo ([6283](#)) — *for reference*

14.19 Features:

- Built-In Database ([7407](#)) — *update built-in Database*
- Certified for Windows 11 ([7554](#)) — *for reference*
- Certified for macOS Ventura ([7553](#)) — *for reference*
- BizApp Products ([7555](#)) — *add Price Level*
- BizApp Customers ([7551](#)) — *add Price Level*
- Preset Customers ([7550](#)) — *add for BizApp Orders*
- Sort Status ([7545](#)) — *add to MRP Settings*
- Include Status ([7534](#)) — *update widths*
- Show Allocated By Warehouse ([7546](#)) — *update*

14.18 Features:

- Ventura QuickSupport ([7528](#)) — *for reference*
- BizApp Orders ([7540](#)) — *add changes for iPad app*

- MRP Settings (7492) — *update for new settings*
- Include Status (7534) — *add to MRP Settings*
- Include Negatives (7531) — *add to MRP Settings*
- Automatically Shipped (7532) — *add to MRP Settings*
- Disable Item MTD/YTD (7533) — *add to Company card*
- Chapter 428 FileMaker Go (7535) — *for reference*
- Chapter 228 BizApp Orders (7542) — *for reference*
- Picture Library (7543) — *fix QuickPops, Comments*
- Not Converted (7544) — *alert for delayed conversion*

14.17 Features:

- Search Errors (7525) — *fix Query setup for Filter*
- Memorize Errors (7524) — *fix Recall for Bills*

14.16 Features:

- Settings Errors (7523) — *fix Settings for eCommerce*
- Ventura Sleeping (7522) — *for reference*
- Chapter 413 macOS Ventura (7521) — *for reference*
- Chapter 16 Printing (7519) — *for reference*

14.15 Features:

- Silicon Release (7518) — *run natively on Apple Silicon*
- Forms Tool (7435) — *update for Apple*
- Tab Order (7517) — *fix Invoice Line Items*
- Chapter 419 Big Business 14 (7434) — *add for ref.*

14.14 Features:

- Orders Response (7495) — *update for automation*
- Connect Settings (7503) — *rename on Company card*
- Renamed Changes (7514) — *add for reference*
- Removed Changes (7515) — *add for reference*
- Chapter 327 Orders Controls (7516) — *add for ref.*
- Locked Prefs (7513) — *fix Prefs affected by Set Lock*
- Advanced Listboxes (7512) — *add to Company card*
- Networking ToolKit (7451) — *remove prior versions*

- Chapter 311 Gmail ([7328](#)) — *update support email*

14.13 Features:

- Add Shipment ([7138](#)) — *update for clarity and control*
- Invoices Tab ([7509](#)) — *update to show all items*
- Show Allocated ([7406](#)) — *add to Employee, Control*
- Orders Response ([7495](#)) — *update for brevity*
- Deposit Ticket ([7511](#)) — *fix height for font change*
- Connect Settings ([7503](#)) — *update Company card*
- PICT Forms ([7498](#)) — *add for reference*
- Color Controls ([7510](#)) — *add for ref.*
- Double Quit ([7501](#)) — *allow Quit during quit delay*
- Controls Tab ([7496](#)) — *update Employee card tabs*
- Reset Comments ([7505](#)) — *update for Open Orders*
- Released Status ([7506](#)) — *add for reference*
- Shipped Status ([7507](#)) — *add for reference*
- Client Connect ([7508](#)) — *restore auto-connect*
- Sleep Plugins ([7502](#)) — *fix pending tasks*

14.12 Features:

- Built-In Database ([7407](#)) — *update built-in Database*
- Controls Toolbar ([7230](#)) — *add to toolbars, again*
- Orders Checkboxes ([7497](#)) — *add to Orders*
- Orders Response ([7495](#)) — *add to Orders*
- Orders Shipped ([7494](#)) — *add to Orders Status*
- Orders Released ([7493](#)) — *add to Orders Status*
- Default Qty ([6202](#)) — *add to Custom Forms*
- Controls Tab ([7496](#)) — *add tab on Employee*

14.11 Features:

- Controls Toolbar ([7230](#)) — *add to toolbars*
- MRP Settings ([7492](#)) — *add to Control toolbar*
- Add Shipment ([7138](#)) — *rename*
- Mark Released ([7490](#)) — *add to Access II on Employee*
- MRP Access ([7488](#)) — *add to Access II on Employee*

- HubSpot Error (7491) — *fix HubSpot tool not registered*
- Split Error (7489) — *fix Advanced Print Options*
- Screen Shot (7487) — *update for Apple*
- Quantity Format (7482) — *update for Database*
- Update MTD/YTD (7484) — *add for Fiscal YE Month*
- Subform Focus (7483) — *update for Database*
- Typeahead (6363) — *update for Apple*
- Auto Email (7358) — *update default to New Mac*
- Listbox Listings (7423) — *fix Typeahead to select row*
- Update Preferences (7471) — *update for Apple*
- Bank Reconciliation (7469) — *update for Apple*
- Listbox Windows (7448) — *update for Apple*
- Listbox Dialogs (7466) — *update for Apple*
- Color Correct (7467) — *update for Database and OS's*

14.10 Features:

- Listbox Dialogs (7466) — *update for Apple*
- Set Dark (7465) — *update colors for Dark Prefs*
- Set Messages (7463) — *update colors for Messages*
- Set Lock (7460) — *update locked Fields*
- Set Color (7461) — *update colors for locked Fields*
- Set Protected (7462) — *update colors for locked Dates*

14.09 Features:

- Big Business 14 (7455) — *update icon for macOS*
- Ship Date (7420) — *add to Export of Orders*
- Over Apply (7453) — *add for workflow control*
- Advanced Controls (7457) — *add to Company card*
- Win64API Plugin (7458) — *update for Windows*
- Folder Tabs (7456) — *update for Listbox Windows*
- Single User (7454) — *add for reference*

14.08 Features:

- Networking ToolKit (7451) — *update for synchronicity*
- Show Allocated (7406) — *update with Order Name*

- Listbox Windows (7448) — *update for Apple*
- TaxJar Report (6890) — *update for [blank]*
- TaxJar Report, Expanded (6957) — *update for [blank]*
- NTK Error (7375) — *update for parsing [blank]*
- Trial Dates (7450) — *update for timeout*
- Chapter 319 Networking ToolKit (7449) — *add for ref.*
- Last Status Update (7446) — *add for Order Status*
- Last Shipping Update (7445) — *add to Order Tracking*
- PDF Reset (7436) — *add reset for PDF Printer*
- Sent PDF (7022) — *update Enable Sent PDF*
- Push Buttons (7385) — *update for Apple*
- Windows Client (7433) — *update Client app window*
- Shopify Salesperson (7431) — *add to Shopify II*
- Shopify Entered By (7432) — *add to Shopify II*

14.07 Features:

- Autocomplete Listing (7425) — *fix Quote, Quote tab*
- Listbox Listings (7423) — *update for Apple*
- Mac Install (7424) — *add for reference*
- Allocated Builds (7411) — *update for ETA*
- Show Allocated (7406) — *update for Warehouse*
- Ship Date (7420) — *update for Interactive Allocate*
- Interactive Allocate (7403) — *update for Ship Date*
- Billing Name (7418) — *add Billing Name for Shopify II*
- FedEx Tracking (7422) — *update Link on Shipping tab*
- NTK Error (7417) — *add for reference*
- Chapter 122 Shopify II (7419) — *add for reference*
- Chapter 314 MRP (7421) — *add for reference*
- Default Customer (7416) — *add for Shopify II*
- Open Item (7415) — *add Warehouse Code to Orders*
- Date Format (7412) — *update for Quote, Order, Invoice*
- Allocated Builds (7411) — *add to Allocated Items*
- New Clients (7413) — *add for reference*
- Cut Creator (7408) — *add for reference*
- Chapter 21 Exporting (7409) — *add for reference*

- Chapter 45 Inactive (7410) — *add for reference*
- macOS Ventura (7414) — *add for reference*
- Show Allocated (7406) — *add to Show in Item card*

14.06 Features:

- Built-In Database (7407) — *update built-in Database*
- Show Allocated (7406) — *add to Show in Item card*
- Interactive Allocate (7403) — *test for all Orders*
- Item Preset (6983) — *add % Subtotal*
- When Duplicating (6724) — *add Reset Private Cmts*
- Interactive Allocate (7403) — *test for all Orders*
- Field Colors (7404) — *update for Apple*
- Forms Units (7389) — *add for reference*
- Client Timeout (7398) — *add for reference*
- Chapter 313 HubSpot (7400) — *add for reference*
- Insert Page (7379) — *fix double-click on Bills*

14.05 Features:

- Payment Code (7383) — *add to Import for Receipts*
- PO Lines (7367) — *update Invoice, Unlock Transactions*
- Log Processes (7395) — *add to Company card*
- Log Events (7394) — *add to Company card*
- MRP Add-On (7393) — *add to Upgrade options*
- Table Error (7392) — *Runtime Error, click Continue*
- Unblock Repricing (7390) — *add to Company card*
- Lock Invoices (7382) — *fix Receipts, Check Run*
- Push Buttons (7385) — *update for Apple*

14.04 Features:

- Credit Cards (7384) — *update for Apple*
- Lock Invoices (7382) — *update system protection*
- Field Style (7381) — *update for System highlights*
- Auto-Zoom Optimize (7380) — *update for Auto-Zoom*
- Insert Page (7379) — *add for Auto-Zoom display*
- Tab Change (7378) — *add for Auto-Zoom refresh*

- OC Date ([7377](#)) — *add for delivery performance*
- TaxJar Rollup ([7376](#)) — *update for Apple*
- Update Certificates ([7374](#)) — *update for Windows*
- Update Columns ([7372](#)) — *update for Apple*
- Update Folder ([7371](#)) — *update for Apple*
- Update JSON ([7361](#)) — *update for Windows*
- NTK Error ([7375](#)) — *add for reference*
- Curl Error ([7373](#)) — *add for reference*
- Folder Error ([7356](#)) — *add for reference*

14.03 Features:

- PO Lines ([7367](#)) — *add to Bill*
- Update MySQL ([7366](#)) — *update for Apple*
- Payment Over-applied ([7369](#)) — *add validation*
- Duplicate Tracking ([7370](#)) — *fix duplicate Order*
- Purchase Order Receipts ([7365](#)) — *fix PO Number*
- Chapter 43 Folder Connect ([7363](#)) — *add for reference*
- Chapter 312 Line Prefs ([7368](#)) — *add for reference*
- Update JSON ([7361](#)) — *update for Apple, performance*
- Merge PDF ([7362](#)) — *optimize for Apple chips, security*
- Auto Email ([7358](#)) — *add New Mac and Server options*
- MDI Client ([7357](#)) — *add as a custom option*
- Versions Different ([7355](#)) — *add for reference*
- ReadMe Shortcut ([7354](#)) — *add for reference*
- Chapter 95 Apple Optimize ([7212](#)) — *update*
- Chapter 98 My Prefs ([7360](#)) — *add for reference*
- Bank Transfer Import ([7338](#)) — *add for automation*
- Miscellaneous Bills ([7353](#)) — *test Comments*
- Show Reconciliation ([7352](#)) — *add Reconciliation To*
- Ship Method ([7351](#)) — *fix for Orders, Add Column*
- Category Preferences ([7349](#)) — *update for reference*
- Chapter 9 Accounting ([7342](#)) — *update for reference*
- Chapter 404 Not Found ([7350](#)) — *add for reference*

