Review 9.9\10.0\10.1

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Sunbelt Computer Software

OVERVIEW

- RUNTIMES (9.9, 10.0, and 10.1)

- PLBCMP

- DATA MANAGER

- PL/B WEB SERVER

- PL/B WEB CLIENT

Releases 9.9\10.0\10.1

9.9 (10-27-16)   9.9A   (4-21-17)

10.0 (10-9-17)   10.0A (4-3-18)

10.1 (9-24-18)   10.1A (1-28-19)   10.1B   (7-8-19)

Windows Installations 10.1A

SCS Digital Signature

Installation Executables

Sunbelt DLLs

RUNTIMEs 9.9/10.0/10.1

- REST API Support   9.9A (All)

  - Representational State Transfer

  - Command Option '-cgi <filename>'

  - PLB_CGI_DIR={path}

  - RUNTIME Object Methods

    - CgiString
    - HttpResponse

RUNTIMEs 9.9/10.0/10.1

- CLOCK VERSION   10.0 (All)

  - Default Format 'MM.mp '

- PICT Object support PNG Images   10.0 (Windows)

  - Portable Network Graphics format

  - Supports PNG Transparency

  - BACKSTYLE Property using PNG image

RUNTIMEs 9.9/10.0/10.1

- PRTPAGE

  - *PICT JPG Image to 'pdf:'   9.9   (All)

  - PICT Object to JPEG in 'pdf:'   10.0 (Windows)

  - *TEMPLATE 'G' option   10.1   (All)

RUNTIMEs 9.9/10.0/10.1

- PANEL Object Enhancements

  - InnerHtml Method Supported   10.0   (Windows & PWS)

  - HTML Object Events Supported   10.0A   (Windows & PWS)

RUNTIMEs 9.9/10.0/10.1

- HTMLCONTROL Object 10.0A

  - Specialized Container for HTML

  - InnerHtml Property

  - HctlDesignSun.plc

  - PLBWIN
  - PLBNET
  - PLBSERVE
  - PLBWEBSRV

RUNTIMEs 9.9/10.0/10.1

- ERROR Object   10.1

  - Enhanced Runtime Error Handling   (All)

  - Error Object Methods
    - AddError   ClearAll
    - ClearError   GetCount
    - GetCode   GetMessage
    - GetSubCode   GetSubMessage
    - LogMessages   GetMaxTextSize
    - GetErrorStackSize   SetErrorStackSize
    - GetProgram   SetErrorStackSize
    - GetProgram   GetTime
    - GetDescription

PLBCMP 9.9/10.0/10.1

- %RECORDLABELS to DIM   9.9

- Enhanced PWS Object Properties   9.9
  - WEBHEIGHT   WEBLEFT
  - WEBTOP   WEBWIDTH
  - WEBPOSITION

- WARNING Directive Added

- Objects
  - HTMLCONTROL   10.0A
  - ERROR   10.1

DATA MANAGER 9.9/10.0/10.1

- Updated includes all IO Changes

- Uses 16-bit Protocol Operations

  - READ/WRITE Variables

  - 64KB

PL/B Web Server 9.9/10.0/10.1

- Support for PlbWebCli   9.9

  - Android Devices   9.9

  - iOS (iPhone/iPad)   10.0

  - Windows App   9.9A

PL/B Web Server 9.9/10.0/10.1

- Enhanced SSL/TLS Support   9.9A

  - PLBWEB_SSL_PROTOCOL

    - 0   - SSLv3, TLSv1.0, TLSv1.1, or TLSv1.2
    - 1   - TLSv1.0, TLSv1.1, or TLSv1.2
    - 2   - TLSV1.1 or TLSv1.2
    - 3   - TLSv1.2
    - 10   - Only TLSv1.0   10.1B
    - 11   - Only TLSv1.1   10.1B
    - 12   - Only TLSv1.2   10.1B

PL/B Web Server 9.9/10.0/10.1

- PLBWEB_SSL_SETCIPHER={cipher}

  - https://www.openssl.org/docs/manmaster/man1/ciphers.html

  - PLBWEB_SSL_SETCIPHER=AES

  - PCI Compliant

    - ControlScan

PL/B Web Server 9.9/10.0/10.1

- Blacklist IP Detection Support   9.9A

    - Close socket immediately on detection

- Enhanced jQuery Framework Support   9.9A

    - jQuery Events for all PWS objects
    - Access to jQuery:
        - Events
        - Properties
        - Attributes
        - Values

PL/B Web Server 9.9/10.0/10.1

- REST API Support Added   9.9A

  - Representational State Transfer

  - Interface between Web Clients, Web Server, & PL/B Runtimes.

- Support for PlbWebCli Offline Mode

  - PlbWebSrv & PlbWebCli require 10.0
  - Methods to support Offline Mode

PL/B Web Server 9.9/10.0/10.1

- Support for jQuery Mobile   10.0

    - Mime '.plm'
    - Single Page Presentations

- PWS Object Summary

    - COMBOBOX   9.9   Modified for Virtual Data
    - IMAGELIST   9.9   Only for TREEVIEW
    - TREEVIEW   9.9   New
    - TOOLBAR   10.0   New
    - HTMLCONTROL   10.0A   New
    - SPLITTER   10.1A   New
    - STATUSBAR   10.1A   New

PL/B Web Server 9.9/10.0/10.1

- *PERCENTCONVERT   10.1B

  - GETMODE/SETMODE

  - PWS Objects

  - Convert Left & Width relative to Parent Width

  - Convert Left, Width, & Top relative to Parent Width/Height

  - Response Design Technique

PL/B Web Client 9.9/10.0/10.1

- PlbWebCli

  - PWS 9.9 or greater required

  - Cordova & PhoneGap Technologies

  - PL/B CLIENT Methods

  - Certified Web APP for download:

    - Apple Store
    - Google Play Store
    - Windows Store

PL/B Web Client 9.9/10.0/10.1

- Android   9.9 (10-27-16)
  - Android 4.0.3 or greater

- Windows App   9.9A (4-21-17)
  - Windows 8.1 or greater

- iOS Apple   10.0 (10-2-17)
  - iPhone & iPad

Questions?