

OpenText™ Brava!™ Desktop

Administrator's Guide

This guide is intended for Brava! Desktop administrators. It provides information for installing and configuring the Brava! Desktop client.

Brava! Desktop Administrator's Guide

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This documentation has been created for Brava! Desktop software version 16.2.

It is also valid for subsequent software versions as long as no new document version is shipped with the product or is published at <https://knowledge.opentext.com>.

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Administration and Installation Guide

Introduction

This document contains information on installing and troubleshooting OpenText™ Brava!™ Desktop. Brava! Desktop is user-friendly software that views, marks up, and prints native document, image, and CAD drawing formats, as well as our own proprietary CSF (Content Sealed Format) files. Brava! Desktop can convert and compress (publish) virtually any native format to CSF, which incorporates our Visual Rights™ persistent security controls, including password protection, onscreen banners, print and other feature restrictions, redaction (block out), and more. In addition to CSF format, native files can be published to JPG, PDF, and TIFF output.

Brava! Desktop reads standard formats like TIFF, CALS, PDF, CSF, CGM, and HPGL plot files, as well as formats from programs like the Microsoft Office applications, Visio, AutoCAD, MicroStation, and many more. You can markup and/or redact a file in Brava! Desktop, publish it (with the markup and redaction) to CSF, PDF, or TIFF and send it to another user to be viewed with our free Brava! Reader.

Brava! Desktop runs as a Windows desktop application or as an ActiveX component inside a web page. It also has a complete API so it can easily be embedded in another application. Please reference the API interface document (*BravaAPI_InterfaceDetails.pdf*) included in your Brava! Desktop installation directory, and available along with additional product documentation from the Windows Start-->All Programs-->Brava! Desktop submenu.)

For the latest documentation updates, please be sure to visit our product page on OpenText My Support:

<https://knowledge.opentext.com/knowledge/cs.dll/open/58885357>

Requirements

Client System Requirements

Brava! Desktop supports Over 150 CAD, image and document formats, including PDF. View the full list of formats at [Supported Formats](#).

The following are the minimum recommended system requirements for running Brava! Desktop .

- Installation of .NET Framework components (you can install Microsoft .NET Framework from: <http://www.microsoft.com/download/en/details.aspx?id=17851>)
- To view Inventor Drawings, Autodesk Inventor View 2015
SP1: <http://usa.autodesk.com/adsk/servlet/pc/item?siteID=123112&id=22976407>

- 25 MB available disk space for installation

Platform support: Please refer to the product release notes document on the OpenText Knowledge Center (Brava! Desktop Release Notes version <>.pdf) for detailed and the most up to date information on supported platforms, systems, and versions.

-  **Important:** If you are running Windows operating systems versions prior to Windows 10, the following Windows Update from the Microsoft support site is required to be run before installing this product: <https://support.microsoft.com/en-us/kb/2999226>

Office Support

In addition to the native formats supported by Brava! Desktop (full list can be found at [Supported Formats](#)), supported Office formats can be viewed with Brava! Desktop if you have purchased this licensing option.

To properly render MSG and EML files, Microsoft Outlook 2010 or higher (32 or 64-bit versions) or a standalone version of Microsoft MAPI libraries must be installed to the system prior to installing Brava! Desktop.

If you do not wish to install MS Outlook, MAPI libraries can be downloaded from:

<http://www.microsoft.com/en-us/download/details.aspx?id=1004>

Installation

Running the Installer

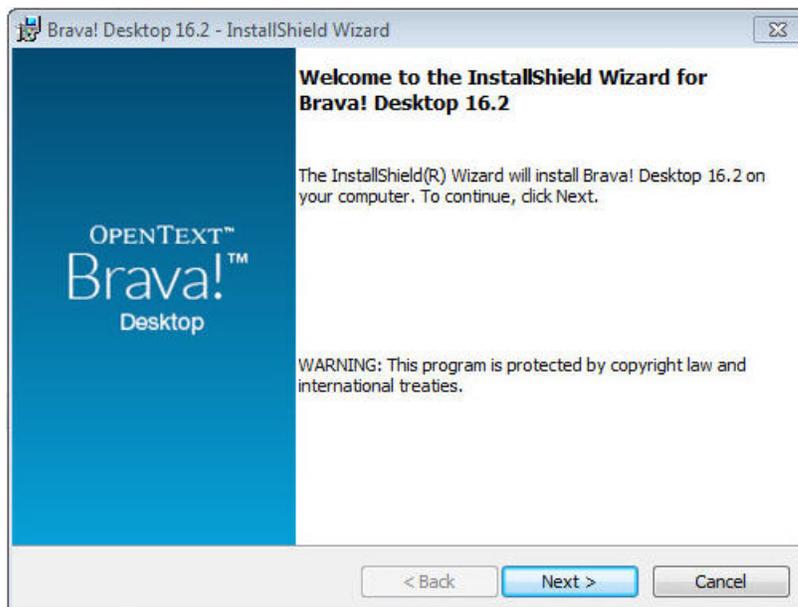
From Web Download: Browse to the directory where you unpacked BravaDesktop_<version>.exe and launch the executable.

Notes:

- If the current version of Brava! Desktop is detected on your machine, a prompt will appear directing you to uninstall your current version. When complete, run the installation again to continue.
- Before running Brava! Desktop for the first time, please be sure to read section [Stand Alone and Network Licensing](#).

Brava! Desktop Install

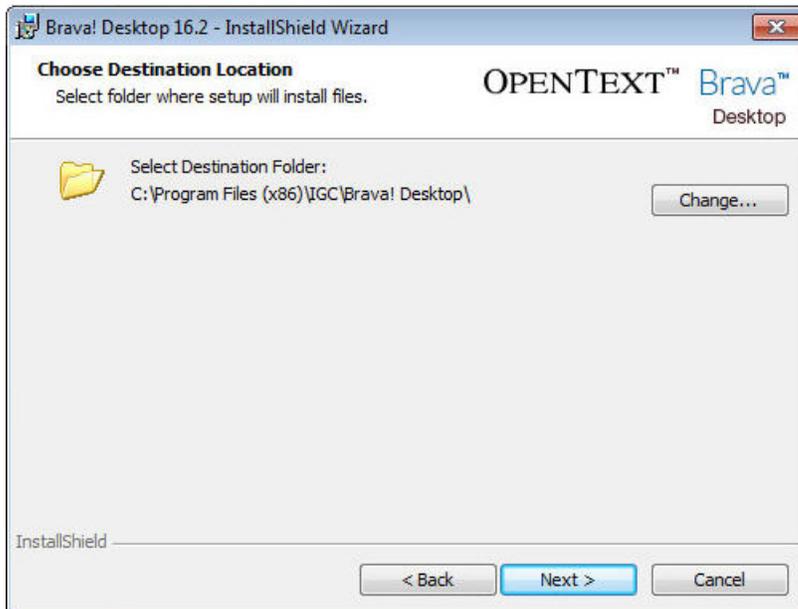
1. The Welcome screen appears. Click **Next**>.



2. The License Agreement screen appears. Click **Yes** to accept the license agreement and continue or **No** to exit the installation.



3. The *Choose Destination Location* screen for Brava! Desktop appears. Click **Next>** to install the files to the displayed directory (or you can click **Browse...** to locate and select a custom directory).



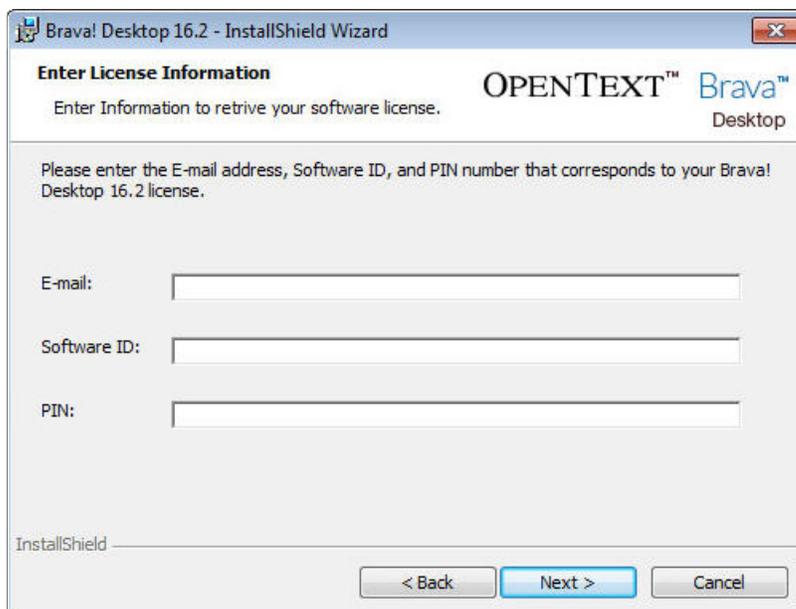
4. The *Setup Type* screen appears. You can request an evaluation license or use your purchased license. You will need an active Internet connection if you are selecting one of the first two licensing options.



Licensing Types:

If you are installing a Demo version of Brava! Desktop, select the **Request Evaluation License** option. If this option is selected, you will automatically retrieve a demo license key and the installation proceeds.

Select **Retrieve Purchased License File** if you are installing a licensed version that you have successfully purchased through the Web Store. You must have obtained a valid license file from us and you will have received an email containing your *email address, software ID* and *PIN* number. In the **Enter License Information** screen, enter the License Information that you received in the email and click **Next>** to continue with the installation.

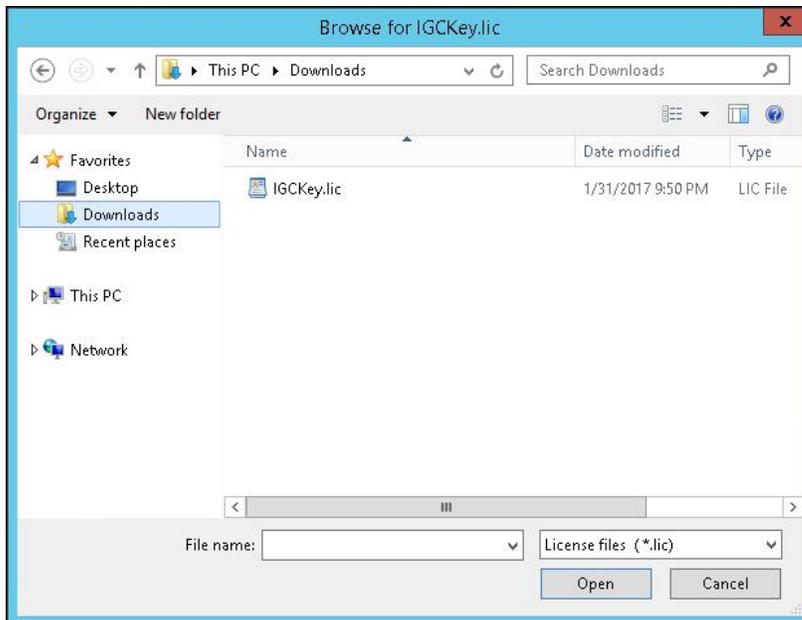


If you are unable to communicate with the server that issues the license key, the installation will close and you will be automatically redirected to a web page to retrieve a demo key that can be used with the third option of this install screen "**Use (IGCKey.lic) License File**". In this case, you will need to restart the installation, choose the third option and click **Next**>.

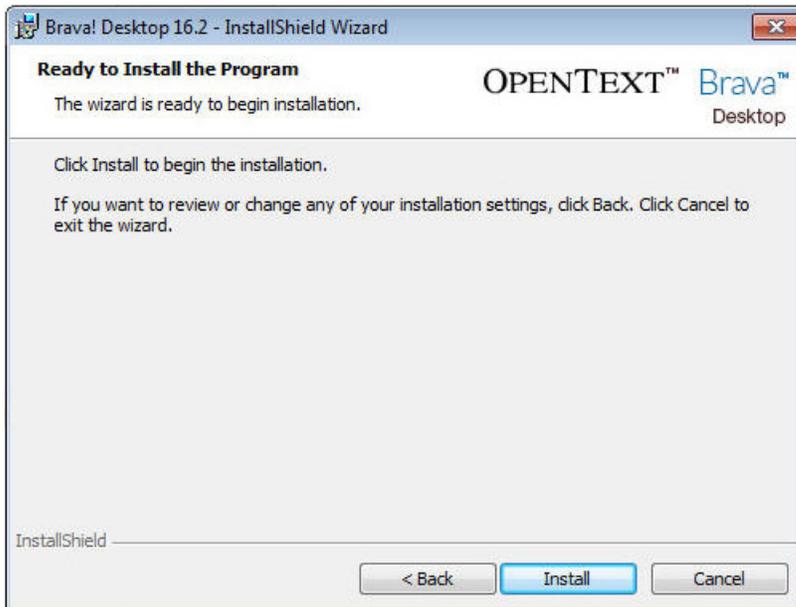
The **Use (IGCKey.lic) License File** option is also used in cases where you have already contacted us and have manually received a License Key file. If this option is selected, in the *Specify the Location of IGCKey.lic File* screen, change to the directory where you have placed that license file:



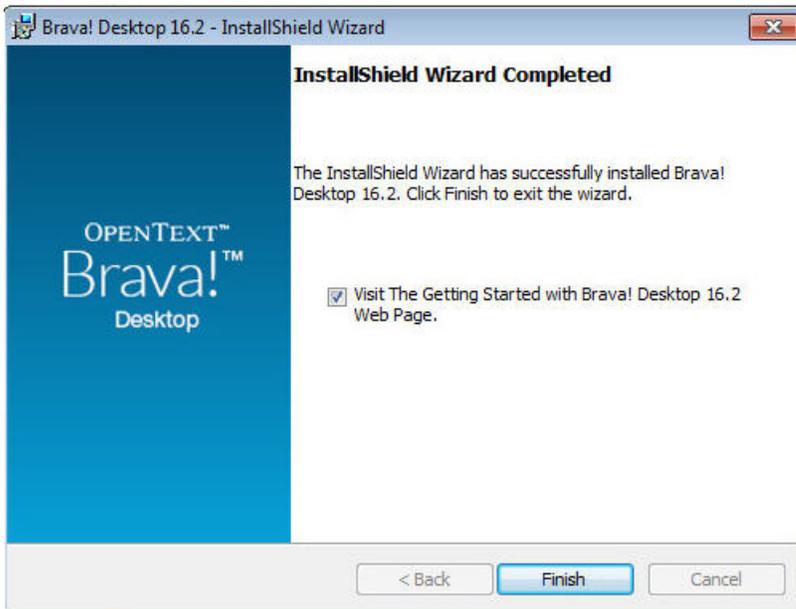
Click **Change** to browse to a different destination folder containing the IGCKey.lic file. Once the file is selected, click **Open**.



5. Click **Install**.



6. Setup will install the program files and display the *Setup Complete* screen.



MSI Installation Notes

Brava! Desktop msi: On Windows networks, an MSI package is available for deploying Brava! Desktop to end-users. This method provides a mechanism for Brava! Desktop to be installed to multiple end-users with no administrator privileges on their machines.

To deploy the *Brava! Desktop.msi*, administrators must push down the MSI to the desired users profiles via Active Directory GPO or scripts, landesk, etc.

See <http://support.microsoft.com/kb/816102> for further information about remote MSI package deployment.

The following public properties can be set from the command line. Properties with default values only need to be provided if the default needs to be changed.

Property name: INSTALLDIR

Description: The path to install the Brava! Desktop application to

Default value: C:\Program Files (x86)\IGC\Brava! Desktop

Property name: LICENSEPATH

Description: Specifies the full file path of the IGCKey.lic file

Default value:

Property name: BCREATESHORTCUTS

Description: Determines whether to create shortcuts to Brava! Desktop. Set to "1" to create shortcuts or "0" to disable creating shortcuts Default value: 1

Please note that this MSI does not install the IGCKey.lic file.

This file can either be dropped manually into the c:\ProgramFiles (x86)\IGC\Brava! Desktop directory OR

installed through command prompt c:\><path to Brava_Desktop.msi> LICENSEPATH="<path to IGCKey.lic>" for instance...

C:\>Brava_Desktop.msi LICENSEPATH="c:\\" if the file is at root.

It is important not to include the file name in the path as the installer already looks for the file in the path provided.

For Public Properties that are on or off (or TRUE or FALSE) 0 = off (FALSE) and 1 = on (TRUE)

IMPORTANT: To successfully deploy the MSI, elevated privileges are required. (UAC needs to be disabled). This is a restriction imposed on MSI installs in accordance with Microsoft's enhanced security model and the MSI can not by-pass this restriction.

To turn off UAC:

1. From the Control Panel, open *User Accounts*.
2. Click the "Turn User Account Control on or off" link.
3. In the "Turn on User Account Control (UAC) to make your computer more secure" options screen, un-check "Use User Account Control (UAC) to help protect your computer" check box.
4. Click "OK" and restart the system.

Note: The User's permissions level/rights will affect how the UAC works.

Installing Autodesk Inventor View for Inventor Support

You must install Autodesk Inventor View in order for Brava! Desktop to publish Inventor files. Brava! Desktop supports Inventor natively using the IDW2DL.dll driver with Autodesk Inventor View.

1. Log on to the machine where Brava! Desktop is installed.
2. From the Autodesk website, download and install Autodesk Inventor® View version 2015 and then the Service Pack, accepting all of the default values:
<http://usa.autodesk.com/adsk/servlet/pc/item?siteID=123112&id=22976407>

Autodesk Inventor View 2015 is supported on non-server 32-bit and 64-bit environments; however, it is not supported on any 32-bit server operating system.

Stand Alone and Network Licensing

Brava! Desktop can be run as a stand alone or network application.

Stand Alone Licensing

When using a stand alone license of Brava! Desktop, an Internet connection is only required at install time. After this initial (automatic) registration, an Internet connection is no longer required in order to use a stand alone license of the product.

Network Licensing

The License Manager is a separate application download that allows administrators to control the usage of product seats available for the Brava! Desktop client application with network installations.

Network-based license management offers a number of useful benefits for administrators, such as robust control over the consumption of the license seats, who gets to use them and who can't, statistics about their usage, and more.

For instructions on configuring and using Network Licensing with Brava! Desktop, please refer to the install guide and application help file that is provided with the Network Licensing tool installation.

Administrative Control Options

Control Options

If you are an Administrator, or you are managing the end-user installations of Brava! Desktop (via network installation, Citrix server installation, etc), this section provides information on the features which can be custom-configured in your environment through the following configuration files and tools.

Note that this section is for **advanced users only**.

IGC Loader Configuration Tool

Brava! Desktop recognizes supported file formats, their file extensions, and any related parameters, some of which can be configured through the Loader Configuration Tool (**igc.loaders.configuration.exe**). Please see the *LoaderConfigTool_UserGuide.pdf* for information about using this tool.

Outlook Attachment Options

By default, when viewing an Outlook message file that contains attachments, if any of the attachments is of an unsupported file format, a warning displays and that file attachment is ignored. Any supported attachments for that message are displayed and the Outlook message is processed. If you prefer to disallow the loading of Outlook message files that contain one or more unsupported attachments, the `IgnoreErrorsOnAttachments` parameter of the *Eml2dl* section can be set to `False` using the Loader Configuration Tool.

Eml2dl loader uses Redemption MAPI libraries to produce intermediate files in HTML (default), MHTML, TXT, or RTF. The default format can be changed using the Loader Configuration Tool.

API integration

Brava! Desktop runs as a Windows desktop application or as an ActiveX component inside a web page. It also has a complete API so it can easily be embedded in another application. See the *BravaAPI_InterfaceDetails.pdf* document for detailed information.

ChangemarkConfig.xml

This XML file contains the configuration used for the Changemark feature. This file is stored in the product installation directory. Type and State categories and color definitions are stored here. See Customizing Types and States.

ViewerConfig.xml

This XML file is generated by the system the first time a user closes a Brava! Desktop session and stores the UI settings that can be persisted from session to session. This file should not be edited by end-users, but certain features can be edited (carefully) by advanced users who are knowledgeable about XML to set advanced options (outlined in the following sections).

Disabling Menu Items

You can customize Brava! menus by disabling or removing various features. Beginning with version 7.4, this is accomplished through the user interface using the "Customize" menu available from the **View-> Toolbars and Docking windows** option. This customization uses standard MFC/Windows app methods. Please see the Brava! Desktop User's Guide for usage details.

Controlling Banners and Watermarks

You can specify the default font, color, style, height, and other attributes for the print and publish banners and the watermark through use of the IsoBanners attributes of the *ViewerConfig.xml* file. *Print* banners are those that will display on a printed document (paper). *Publish* banners are those that will display on the published output file of a selected format (electronic).

```
<IsoBanners>
  <IsoBannerFont string="Arial"/>
  <IsoBannerFontHeight string="11.9952"/>
  <IsoBannerFontStyle string="0"/>
  <IsoBannerColor string="0,0,0"/>
  <ScreenWaterMark string="" editable="true"/>
  <ScreenBanner string="" editable="true"/>
  <PrintBanners>
    <IsoBannerFont string="Arial"/>
    <IsoBannerFontHeight string="11.9952"/>
    <IsoBannerFontStyle string="0"/>
    <IsoBannerColor string="0,0,0"/>
    <WaterMark string="" editable="true"/>
  </PrintBanners>
</IsoBanners>
```

```

<WaterMarkOpacity string="0.5"/>
<TopLeft string="%Date %Time" editable="true"/>
<TopCenter string="" editable="true"/>
<TopRight string="%Date %Time" editable="true"/>
<BottomLeft string="" editable="true"/>
<BottomCenter string="" editable="true"/>
<BottomRight string="" editable="true"/>
<LeftTop string="" editable="true"/>
<LeftCenter string="" editable="true"/>
<LeftBottom string="" editable="true"/>
<RightTop string="" editable="true"/>
<RightCenter string="" editable="true"/>
<RightBottom string="" editable="true"/>
</PrintBanners>
<PublishBanners>
  <IsoBannerFont string="Arial"/>
  <IsoBannerFontHeight string="11.9952"/>
  <IsoBannerFontStyle string="0"/>
  <IsoBannerColor string="0,0,0"/>
  <WaterMark string="" editable="true"/>
  <WaterMarkOpacity string="0.5"/>
  <TopLeft string="" editable="true"/>
  <TopCenter string="" editable="true"/>
  <TopRight string="%Date %Time" editable="true"/>
  <BottomLeft string="" editable="true"/>
  <BottomCenter string="" editable="true"/>
  <BottomRight string="" editable="true"/>
  <LeftTop string="" editable="true"/>
  <LeftCenter string="" editable="true"/>
  <LeftBottom string="" editable="true"/>
  <RightTop string="" editable="true"/>
  <RightCenter string="" editable="true"/>
  <RightBottom string="" editable="true"/>
</PublishBanners>
</IsoBanners>

```

Specifying banner information here will force the banners for all users. They will not be able to modify them at print time unless the editable flag is set to TRUE. Values for Print banners and watermarks can be set independently of Publish banners and watermarks.

Parameter	Description
IsoBannerFont	Specifies the default font name to use for banners.
IsoBannerFontHeight	Specifies the default font size to use for banners.
IsoBannerFontStyle	<p>Specifies the default font style to use for banners.</p> <p>Example to specify Italic underline style: <code>IsoBannerFontStyle string="6"</code></p> <p>Valid values are:</p> <p>Normal=0 Bold=1 Italic=2 Underline=4</p> <p>These values can be added together as the following examples illustrate:</p> <p>Bold italic=3 (1 + 2) Bold underline=5 (1 + 4) Bold italic underline=7 (1 + 2 + 4) Italic underline=6 (2 + 4)</p>
IsoBannerColor	<p>Specifies the default color to use for the banner font. Format: r,g,b: range of 0 to 255.</p> <p>Example:</p> <p><code>IsoBannerColor string="255,0,0"</code></p>
Watermark	<p>Specifies the default text string to use for the watermark. Macro commands may be used here (see next table)</p> <p>Example: <code>Watermark string="Confidential"</code></p>
WatermarkOpacity	<p>Specifies the opacity of the watermark string. Valid values are decimal integers from 0 to 100. Example: <code>WatermarkOpacity string=".75"</code></p>
Editable	<p>True or False. Determines if user is able to edit the banners and watermark (default is True). If the published output is CSF, the editable flag is FALSE.</p>

#10; or \n	<p>Determines new line in banner string (line breaks). (Not valid for use in the Watermark string.)</p> <p>Example: <code><TopCenter string="First line#10;Second line"/></code> or <code><TopRight="Title:%Title<\n>Page#:%Page"/></code></p>
ScreenWatermark ScreenBanner	<p>The <i>ScreenWatermark</i> and <i>ScreenBanner</i> settings provide the ability to set a watermark and banner on screen that is independent of the watermark and banners defined for the Print and Publish settings. An on screen watermark or banner will be visible to users when viewing the document in the client viewing application.</p>

Banner Macro Commands

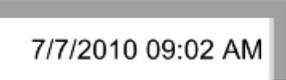
Brava! Desktop supports the Macro Commands for the watermark and banner text strings. Insert one of these commands in the banner or watermark string value and the string will be dynamically inserted at print or publish time.

If a banner or watermark is editable, users can enter a percent symbol (%) in the edit field of a print/publish banner or watermark to summon a list of available tokens.

Banners and the watermark can contain text strings or one of the available token values:

Example: `<RightTop string="%Date %Time" editable="true"/>`

Result in printed/published output:



7/7/2010 09:02 AM

Please see the Brava! Desktop User's guide or application help for a full list of available tokens.

Takeoff Categories

Setting Default Takeoff Categories

You can specify the default color, type, system, units, and precision values to use when users create new Takeoff categories. These are specified (and persisted across sessions) through the *TakeoffCategory* attributes of the *ViewerConfig.xml* file.

```
<TakeoffCategory>
  <Color>255 0 0</Color>
  <Type>0</Type>
  <System>2</System>
```

```

    <Units>2</Units>
    <Precision>1</Precision>
    <ArchPrecision>1</ArchPrecision>
</TakeoffCategory>

```

Parameter	Description
Color	<p>Specifies the default color to use for the category. Three integers (red, green, and blue color component) in the range 0 to 255 separated by space.</p> <p>Example (red):</p> <pre><Color>255 0 0</Color></pre>
Type	<p>Specifies the default measurement type to use for the category.</p> <p>Valid values are:</p> <pre>0 = Length 1 = Area 2 = Count</pre>
System	<p>Specifies the default measurement system to use for the category.</p> <p>Valid values are:</p> <pre>0 = English Architectural 1 = English 2 = Metric 3 =Unitless</pre>
Units	<p>Specifies the default measurement units to use for the category.</p> <p>Valid values are:</p> <pre>0 = Inches 1 = Feet 2 = Meters 3 = Millimeters 4 = Centimeters 5 = Miles 6 = Kilometers 7 = Unitless 8 = Yards</pre> <p>When <code>System = English Architectural</code> or <code>English</code> valid values for Units are: 0 (default), 1, 8, 5</p> <p>When <code>System = Metric</code> valid values for Units are: 3, 4, 2 (default), 6</p>

	When <code>System = Unitless</code> valid value for Units is 7
Precision	<p>Specifies the default decimal precision to use for the category. Used when <code>System = English, Metric, or Unitless</code></p> <p>Valid values are:</p> <pre> 0 = 1 1 = 0.1 2 = 0.01 3 = 0.001 4 = 0.0001 5 = 0.00001 </pre>
ArchPrecision	<p>Specifies the default architectural precision to use for the category. Used when <code>System = English Architectural</code></p> <p>Valid values are:</p> <pre> 0 = 1/2 1 = 1/4 2 = 1/8 3 = 1/16 </pre>

Takeoff Startup options:

The Takeoff/Measure startup selection is persisted through the *DoTakeoff* setting as follows:

```

<ViewerSettings>
  <TakeoffState>
    <DoTakeoff>0</DoTakeoff>
  </TakeoffState>
</ViewerSettings>

```

Value = 0 (default) implies Measure button will be shown on startup

Value = 1 implies Takeoff button will be shown on startup

Customizing Page Sizes

Used with publishing to PDF, CSF, and TIFF, up to 60 custom page sizes (per format) can be specified in the <PUB> section of the *ViewerConfig.xml*. The format of each entry is:

<PUB>

```
<XXXPageSizeX>
  <![CDATA[Description|mm(or in)|width|height]]>
</XXXPageSizeX>
```

For example:

```
<PDFPageSize1>
<![CDATA[Custom PDF Size 1 |mm|360|240]]>
</PDFPageSize1>

<PDFPageSize2>
<![CDATA[Custom PDF Size 2 |in|11|8.5]]>
</PDFPageSize2>

<PDFPageSize3>
<![CDATA[Custom PDF Size 2 |in|17|11]]>
</PDFPageSize3>

<TIFFPageSize1>
<![CDATA[Custom TIFF Size 1 |mm|1000|1414]]>
</TIFFPageSize1>

<TIFFPageSize2>
<![CDATA[Custom TIFF Size 2 |in|24|18]]>
</TIFFPageSize2>

</PUB>
```

Note that the indexing MUST follow a consecutive order (CSFPageSize1, CSFPageSize 2, CSFPageSize3, CSFPageSize60)

Adjusting Minimum Redaction Font Size

On large drawing files, the text on redaction reason codes is scaled to fit the redactup rectangle and therefore may appear too small to read on the final redacted pages. You can control the minimum font size by editing two lines in the *ViewerConfig.xml* file. You may need to increase these values when printing any file that is over 20" in size, depending on your requirements. Suggested values might be to set minimum font size, 6 points and maximum font size 100 points:

```

<PublishOptions>
  <RedactionReasonsFontMin keytype="int">6</RedactionReasonsFontMin>
  <RedactionReasonsFontDesired
keytype="int">100</RedactionReasonsFontDesired>
  <RedactionReasonsFont keytype="string">Arial</RedactionReasonsFont>
</PublishOptions>

```

Customizing Text Compare

Panel Height

The text compare panel is resizable. Its height is persisted in *ViewerConfig.xml*.

```

<CDL>
  <DisplayOptions>
    <TextCompareHeight keytype="real">0.842685</TextCompareHeight>
  </DisplayOptions>
</CDL>

```

- The value ranges from 0.0 to 1.0, the fraction of the document area that will be taken up by the text compare panel (1.0 being the entire document area.).
- The default value is 0.5
- This value cannot currently be set by BravaXParam

Compare Options

The following compare options based on the Compare Settings dialog are persisted in *ViewerConfig.xml*.

```

<CompareOptions>
  <Mode>10</Mode>
  <AddColor>0 255 128</AddColor>
  <DeleteColor>255 0 0</DeleteColor>
  <ChangeColor>255 224 0</ChangeColor>
  <WrapLines>true</WrapLines>
  <HideUnchangedText>true</HideUnchangedText>

```

```

    <SmoothScroll>>false</SmoothScroll>
    <FontName>Arial</FontName>
    <FontSize>18</FontSize>
  </CompareOptions>

```

Mode:

```

OVERLAY                = 1,
OVERLAY_DIFF           = 2,
SIDE_BY_SIDE          = 3,
SIDE_BY_SIDE_DIFF     = 4,
OLDER_DOC              = 5,
NEWER_DOC              = 6,
ADDITIONS              = 7,
DELETIONS              = 8,
UNCHANGED              = 9,
TEXT_COMPARE           = 10

```

- The last used compare mode is persisted across documents and across sessions.
- If both files opened for compare do not have any text, and the persisted setting is *Text Compare*, the compare mode is set to *Overlay Differences*. However, this does not change the persisted Text Compare settings (if documents with text were opened next, the mode would be Text Compare).

Customizing Types and States

Used in the Changemark Discussion Panel, Type and State are attributes that can be assigned to the original Changemark note's content and to each reply that is added to a discussion. The Changemark dialog will initially select the Type marked as the default type in *ChangemarkConfig.xml* (located in your installed Brava! Desktop directory). When the Type is changed in the dialog, the initially selected State will be the one marked as default in *ChangemarkConfig.xml*.

The following Types and States are set in your default installation, but these values can be customized by editing the *ChangemarkConfig.xml* file. In addition, you can set custom colors for each entry by specifying the RGB color values for each corresponding State listed in the file. The Type, State, and color information that is defined when you create the Changemark note (or reply to a Changemark note) is saved in the markup file and can be reviewed by other users.

Types and States can also be suppressed on the Changemark Edit and Add/Reply dialogs by renaming or removing the *ChangemarkConfig.xml* file. If the .xml file is not found in the installation directory, the Type and State fields are not shown on the Reply dialog (although the ability to reply remains).

Type	State	RGB Value	Color displayed
Action	For Discussion (default)	193,235,255	Light blue
	An Idea	95,255,150	Light green
	Investigate	255,190,110	Orange
	Typo	255,205,160	Light orange
	Revision Error	255,250,180	Light yellow
	Confirm	180,140,200	Light purple
	Urgent	255,90,80	Red
Change	Request (default)	195,235,255	Light blue
	Issued	255,255,255	White
	Approved	95,255,150	Light Green
	Rejected	255,90,80	Red
	Superseded	0,0,139	Dark Blue
	Released	0,0,0	Black
	Verified	180,140,200	Light purple
	Completed	0,0,0	Black
	Closed	100,200,255	Blue
	Notice	0,0,0	Black
Agreement	Acceptable (Default)	95,255,150	Light Green
	Can't do	0,0,0	Black
	Carve out	255,250,180	Light yellow
	Typo	255,90,80	Red
	Discuss Further	195,235,255	Light blue
	Make Reciprocal	195,235,255	Light blue
	Reword	255,90,80	Red
Issue	Undetermined (Default)	195,235,255	Light blue
	Critical	255,90,80	Red
	High Priority	255,230,95	Yellow
	Med Priority	255,240,215	Light peach
	Low Priority	195,235,255	Light blue

	Closed	0,0,0	Black
Status	Investigate (Default)	195,235,255	Light blue
	Pending	195,235,255	Light blue
	Working	195,235,255	Light blue
	Review	195,235,255	Light blue
	Completed	0,0,0	Black
	Closed	0,0,0	Black
Missing	Approval (Default)	255,90,80	Red
	Signature	255,90,80	Red
	Account No	255,90,80	Red
	Verification	255,90,80	Red
	Amount	255,90,80	Red
	Address	255,90,80	Red
	Other	255,90,80	Red
Project	Concern (Default)	195,235,255	Light blue
	Deliverable	195,235,255	Light blue
	Cost/Benefit	195,235,255	Light blue
	Feasibility	195,235,255	Light blue
	Resources	195,235,255	Light blue
	Estimate	195,235,255	Light blue
	Scheduling	195,235,255	Light blue

Troubleshooting

Problem: I am having trouble using the Inventor format with Brava! Desktop.

Solution: If you want Inventor support, you need to have Autodesk Inventor View 2015 SP1 software installed on your system. See [Installing Autodesk Inventor](#). If you are using a previously installed version and are having trouble, updating should correct any issues.

Problem: When running the Brava! Desktop MSI package, you receive a message that the IGkey.lic cannot be created.

Solution: During installation, the MSI package cannot create the IGCKey.lic file when UAC is enabled. Please disable UAC while running the MSI.

Problem: When IE Protected Mode is Enabled, Print Screen Protection does not work.

Solution: If UAC is enabled on the client system and IE is running in Protected Mode, the ActiveX control is unable to access the system's Print Screen button to monitor screen capture functionality. This means that disabling print permissions for documents disables the printing menus and full document printing functionality only; it does not obscure the document display if the Print Screen button is pressed.

Problem: Markups created with older versions of Brava! Desktop are no longer compatible with this newer version.

Solution: Please see the markup incompatibility topic in the Brava! Desktop User's guide and application help file. A workaround is available to allow you to keep using your older markup, although you are strongly encouraged to create new markups using the new loader.

The workaround involves editing the loader file through the Loader Configuration Tool. Please see the LoaderConfigTool_UserGuide for more information about this tool. To determine which loader was used to make an existing markup file, the markup file can be opened in a text editor and this line checked:

```
<DriverInfo v1="1" v2="5" v3="2" v4="2">Inso2DL</DriverInfo>
```

Older markups were made with Inso2dl (which has been deprecated) and the newer version uses OutsideIn2dl. If you would like to load older markup reliably, you can switch to using Inso2dl. To do this:

1. Ensure that you have the Inso2dl loader in your installation.
2. Use the Loader Configuration tool included in your install to change the loader reference for appropriate extensions.
3. Change the extensions list for **inso2dl** to include all of the extensions set in **outsidein2dl** that you currently use for markups (that were originally created with inso2dl and are now set to be created with outsidein2dl) and would like to continue to use existing markups on those file types.

Documentation Library

The following administration and user documentation is available with Brava! Desktop:

Document Name	Description
Default Installation Location:	C:\Program Files\Brava! Desktop\
<i>BravaDesktop_AdminGuide</i>	<i>Admin:</i> Installation and administration information (this guide)
<i>BravaDesktop_QuickTips</i>	<i>User:</i> Brava! Desktop UI overview
<i>BravaDesktop_ReleaseNotes</i>	<i>User:</i> Lists the new features in this and previous releases
<i>BravaDesktop_UserGuide</i>	<i>User:</i> PDF formatted version of the online user help of the Brava! Desktop UI.
<i>BravaExtensibleInterface_UserGuide</i>	<i>Admin:</i> A a reference for usage of the ActiveX client extensible interface. Designed for integrators and users who are configuring their implementations to use custom themes.
<i>BravaAPI_InterfaceDetails</i>	<i>Admin:</i> This document provides brief descriptions of the properties, methods, and events used to interface with the Brava! ActiveX control. The audience for this document includes developers, programmers, and integrators with a solid knowledge of COM API programming.
<i>BravaDesktop_BravaXParamsGuide</i>	<i>Admin:</i> Details the parameters that can be used to customize your Brava! Desktop client through the Brava! Interface API method SetBravaXParam() . The audience for this document includes developers, programmers, and integrators.
<i>LoaderConfigTool_UserGuide</i>	<i>Admin:</i> A reference guide provided for the Loader Configuration Tool, which provides a simple interface for the customization of loader configuration XML files.
<i>BatchPrintOption_AdminGuide</i>	<i>Admin:</i> Installed when the Batch Print Option application is installed with Brava! Desktop. Installation and administration guide.
<i>BatchPrintOption_UserGuide</i>	<i>User:</i> Installed when the Batch Print Option application is installed with Brava! Desktop. PDF version of the BPO online UI help file.
<i>/MacroExampleTestFiles</i>	<i>User:</i> This directory contains sample files that allow users to open the documents in Brava! Desktop and follow the various instructions for using each of the available Redaction tools.

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