

Visualization

by Perforce

RELEASE NOTES

June 2023

Visualization for C++®
Version 6.5

Introduction

These *Release Notes* highlight the changes for the following versions of Views:

- [Views version 6.5 changes](#)

Views version 6.5 changes

- [Important Announcements](#)
- [New Features](#)
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Important Announcements

Please read the following important announcements for Views version 6.5.

Patch process has been changed

From version 6.4 onward, patch releases use the same installers as the main release version and contain everything needed to use Views. It is possible to install a patch over the main release or previous patch. ABI and API compatibility will still be intact.

Platforms and database scheduled to be retired

The following platforms and database are scheduled to be retired in version 8.0 of Views. Contact your Perforce account manager or Views support if you have any questions.

Windows

- Windows 10, MSVS 2015, x86/ x86-64
- Server 2012, MSVS 2015, x86/ x86-64

Linux

- Ubuntu 16.04, x86/ x86-64

UNIX

- Solaris 11, Sun Studio 12.6, SPARC
- HP-UX 11iv3, Itanium

New Features

The following new features have been added to Views version 6.5.

New environment variable

We have added the `ILV_LEGACY_PROTO_INSPECTOR=true` environment variable for backward compatibility. Setting this environment variable restores the deprecated `IlvProtoGraphic` window while inspecting a prototype gadget in Views Studio.

New Ports

The following ports are new in this release.

Windows:

- Windows 11 is now supported

Linux:

- SuSE/SLES 15 is now supported
- RHEL/CentOS 8 is now supported

UNIX (available upon request):

- No new ports for UNIX.

API Changes

Views 6.5 includes a number of API and library changes. While most changes are minor and do not impact your use of the Views APIs, some of these changes do require you to update your API and change the way you link your Views application. Review the set of class member, removed classes, added classes, and hierarchy changes to understand the changes to the API.

To help Views developers port to Views 6.5 the following summary of key library updates and API changes are highlighted. Developers porting to Views 6.5 may be impacted by these changes.

- [Views 6.5 library updates](#)
- [Views 6.5 API Porting Suggestions](#)
- [Removed classes](#)
- [Added classes](#)
- [Hierarchy changes](#)
- [Class members changes](#)

Views 6.5 library updates

There are no library updates in this release.

Views 6.5 API Porting Suggestions

There are no porting suggestions in this release.

Removed classes

No classes have been removed in this release.

Added classes

No classes have been added in this release.

Hierarchy changes

There are no changes to hierarchy in this release.

Class members changes

The following class members have been changed.

IlvDvActionProcessor	IlvDvBarNameListener	IlvDvGraphicHolderFilter
IlvDvInterface	IlvEventStruct	IlvGanttSubNodeHook
IlvManagerRectangle	IlvNavigationInteractor	IlvPSPrinter
IlvPalette	IlvPrinter	IlvPrinterPreview
IlvSDODbmsFactory	IlvTable	IlvWindowsPrinter
_IlvCurveParser		

IlvDvActionProcessor

Added:

virtual ~IlvDvActionProcessor () = default

IlvDvBarNameListener

Added:

virtual ~IlvDvBarNameListener () = default

IlvDvGraphicHolderFilter

Added:

virtual ~IlvDvGraphicHolderFilter () = default

IlvDvInterface

Added:

virtual ~IlvDvInterface () = default

IlvEventStruct

Added:

virtual ~IlvEventStruct () = default

IlvGanttSubNodeHook

Added:

virtual ~IlvGanttSubNodeHook () = default

IlvManagerRectangle

Removed:

DeclareLazyTypeInfoRO ()

Added:

DeclareLazyTypeInfo ()

IlvNavigationInteractor

Added:

IlvNavigationInteractor (const IlvNavigationInteractor &) = delete

Added:

IlvNavigationInteractor & operator= (const IlvNavigationInteractor &) = delete

IlvPSPrinter

Added:

virtual void internalEnd ()

IlvPalette

Changed from:

`IlvPalette (IlvDisplay *, IlvColor *, IlvColor *, IlvFont *, IlvPattern *, IlvColorPattern *, IlvLineStyle *, IUShort, IBoolean, IlvFillStyle, IlvArcMode = IlvArcPie, IlvFillRule = IlvEvenOddRule, IlvIntensity = (IlvIntensity) -1) , IlvAntialiasingMode = IlvDefaultAntialiasingMode, IlvGradientPattern * = 0)`

Changed to:

`IlvPalette (IlvDisplay *, IlvColor *, IlvColor *, IlvFont *, IlvPattern *, IlvColorPattern *, IlvLineStyle *, IUShort, IBoolean, IlvFillStyle, IlvArcMode = IlvArcPie, IlvFillRule = IlvEvenOddRule, IlvIntensity = IlvFullIntensity, IlvAntialiasingMode = IlvDefaultAntialiasingMode, IlvGradientPattern * = 0)`

IlvPrinter

Added:

`virtual void internalEnd () = 0`

IlvPrinterPreview

Added:

`virtual void internalEnd ()`

IlvSDODbmsFactory

Added:

`virtual ~IlvSDODbmsFactory () = default`

IlvTable

Added:

`virtual ~IlvTable () = default`

IlvWindowsPrinter

Added:

`virtual void internalEnd ()`

_IlvCurveParser

Added:

`virtual ~_IlvCurveParser () = default`

Updated Features

- [Port Updates](#)
- [Other Updates](#)

Port Updates

No ports have been updates in this release.

Other Updates

- Maps Improvements — UTM projection, WGS84, and MGRS coordinate conversion have been improved in the Views 6.5 release. These improvements provide more accurate conversions and performance improvements.
- Sample builds now use Cmake — Views samples now use cmake to build the samples distributed with the product.

Bug Fixes

The following bug fixes have been made:

- VIEWS-20273 Maximized IlvViewFrame are not resized properly with libmviews
- VIEWS-19246 Cannot use Ctrl as a modifier on an IlvMenuItem
- SERVER-2537 Server C# mvtcp connect, disconnect improvements
- SERVER-2465 Server crash in IlstcpConnection::GetOrCreateConnection
- SERVER-1963 IlRepresentation::getObjectCount needs to be added to the API
- SERVER-1955 Notifications should only be triggered if necessary

Removed Features

No features have been removed for Views version 6.5.

Known Limitations

There are no known limitations in this release.

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