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
- New Ports
- API Changes
- Updated Features
- Bug Fixes
- Removed Features
- Known Limitations

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**
  - **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:

Changed to:

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 IlsRepresentation::getObjectsCount 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.