



IrysView[®] v2.5.1

Software Installation Guide

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Chapter 1 Overview

1.1 Introduction

This manual describes how to install the genomics analysis software, IrysView® v2.5.1, to analyze and visualize data generated by the Irys® instrument. To understand what features have been added or modified since our last release please review the release notes.

Chapter 2 IrysView® Software Installation

2.1 System Requirements

IrysView supports Windows OS 64-bit systems only.



Note: Local system administrator privileges are required for installation and running of IrysView.

2.2 Prerequisites

2.2.1 Microsoft .NET 4.5.2 Runtime

- If not already installed, download from: [Microsoft .NET Framework 4.5.2](https://www.microsoft.com/net/framework/4.5.2)

2.2.2 Windows Python Runtime



Note: Skip if already installed. Accept default installation path during installation.

- Run python-2.7.5.msi from: <http://www.bnxinstall.com/tools/python-2.7.5.msi>

2.2.3 Auto Detect Application v2.1.4 (optional)



Note: Required installation if you wish to convert .tiff images to digitized molecules and labels.

- Click install from: <http://www.bnxinstall.com/autodetect/autodetect.htm>

2.2.4 Install Windows RefAligner (v5122) and Windows Assembler (v5122)



Note: Accept default installation path during installation.

- Uninstall the current versions from Control Panel → Program and Features RefAligner and WindowsAssembler.
- Run Setup file from:
<http://www.bnxinstall.com/RefalignerAssembler/Windows/r5122/WindowsAssembler.msi>
- Run Setup file from:
<http://www.bnxinstall.com/RefalignerAssembler/Windows/r5122/RefAligner.msi>

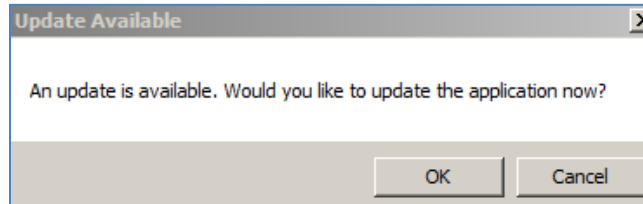
2.2.5 Configuration Clean Tool (optional)

- Clean previous configuration settings of IrysView.
- Click install from:
<http://bnxinstall.com/tools/clean/CleanIrysViewConfigs.htm>

2.3 Install IrvsView v2.5.1

2.3.1 Updating from previous IrvsView versions

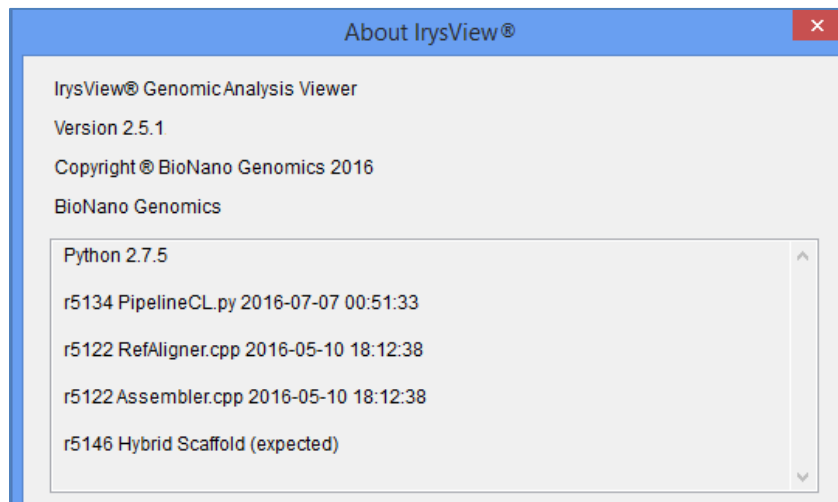
- If internet connection is available, IrvsView will automatically update from the web. By launching IrvsView from *Start Menu* → *All Programs* → *IrvsView*, a pop up will notify the user of a more current version. Click OK to accept the latest version. The Configuration Clean Tool will run automatically without user intervention.



- If the user chooses *Cancel*, the current installed version will start.

2.3.2 Fresh IrvsView installation

- Uninstall previous IrvsView versions from *Control Panel* → *Program and Features*.
- Install IrvsView 2.5.1 from: <http://bnxinstall.com/IrvsView/irvsview.htm>
- Check the version of all necessary Windows components of at least IrvsView 2.5.1, by clicking on the tab *Help* and *About IrvsView*.



2.4 Knickers

- Knickers is used to convert FASTA files to BioNano CMAP file format. Knickers should be used for all genomes larger than 100MB.

<http://www.bnxinstall.com/Knickers/Knickers.htm>