

Install Notes

MiSeq Control Software v3.1.0

Local Run Manager 2.0.1

RTA v1.18.54

MiSeq Recipes v3.1.0

BaseSpace Broker v2.9.2

For MiSeq Systems

Introduction

This document explains how to manually upgrade your MiSeq Software to version 3.1.

Information on Upgrading MiSeq Control Software

- a. These instructions illustrate installation using the MiSeq 3.1 Updater.
- b. The installation can take up to an hour depending on pre-installed dependencies.
- c. The MiSeq automatically restarts after the update process is complete. The restart occurs after you select “Reboot”.
- d. The Installer contains everything required to upgrade your instrument software. Install all components included in the updater together. If incompatible components are installed together, Illumina cannot guarantee the performance of the software
- e. The Installer can only upgrade systems running MiSeq 2.4 or later. If your system does not meet the minimum requirement, update to MiSeq 2.4 or later at:

http://support.illumina.com/downloads/miseq_software_updater_and_reference_genomes_updater.ilmn

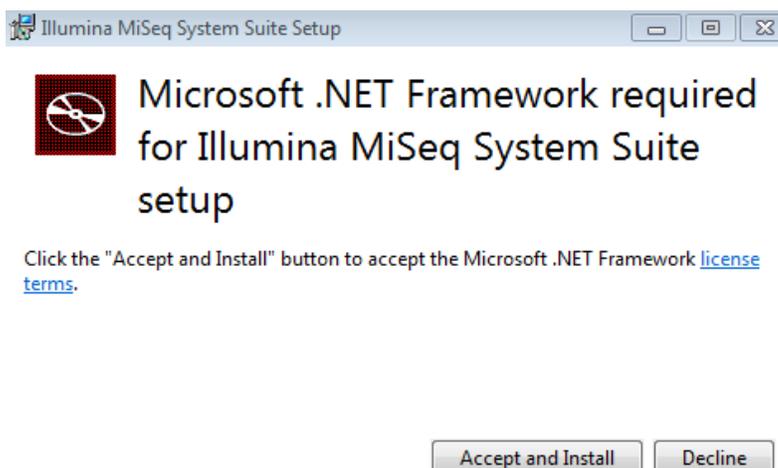
- f. It is highly recommended to upgrade to the MiSeq 2.6 prior to running the MiSeq 3.1 Updater.
- g. During the installation procedure, the Installer automatically deletes the old version of the software.
- h. Note that the default genomes folder location is set to C:\Illumina\Genomes
- i. For a complete description of features contained in this software, refer to the MiSeq Software Release Notes on the Illumina support website.
- j. The installation replaces MiSeq Reporter with Local Run Manager. Data already present on-instrument is not affected, but a backup is recommended.
- k. If SAV version greater than 1.11.1 is installed, it needs to be uninstalled before running the MiSeq 3.1 Updater.

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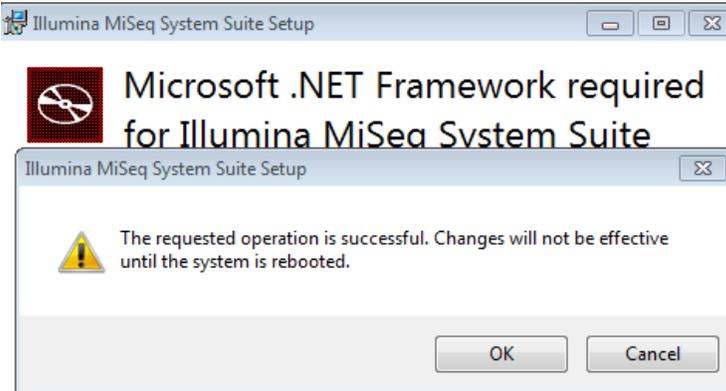
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Upgrading the MiSeq Manually

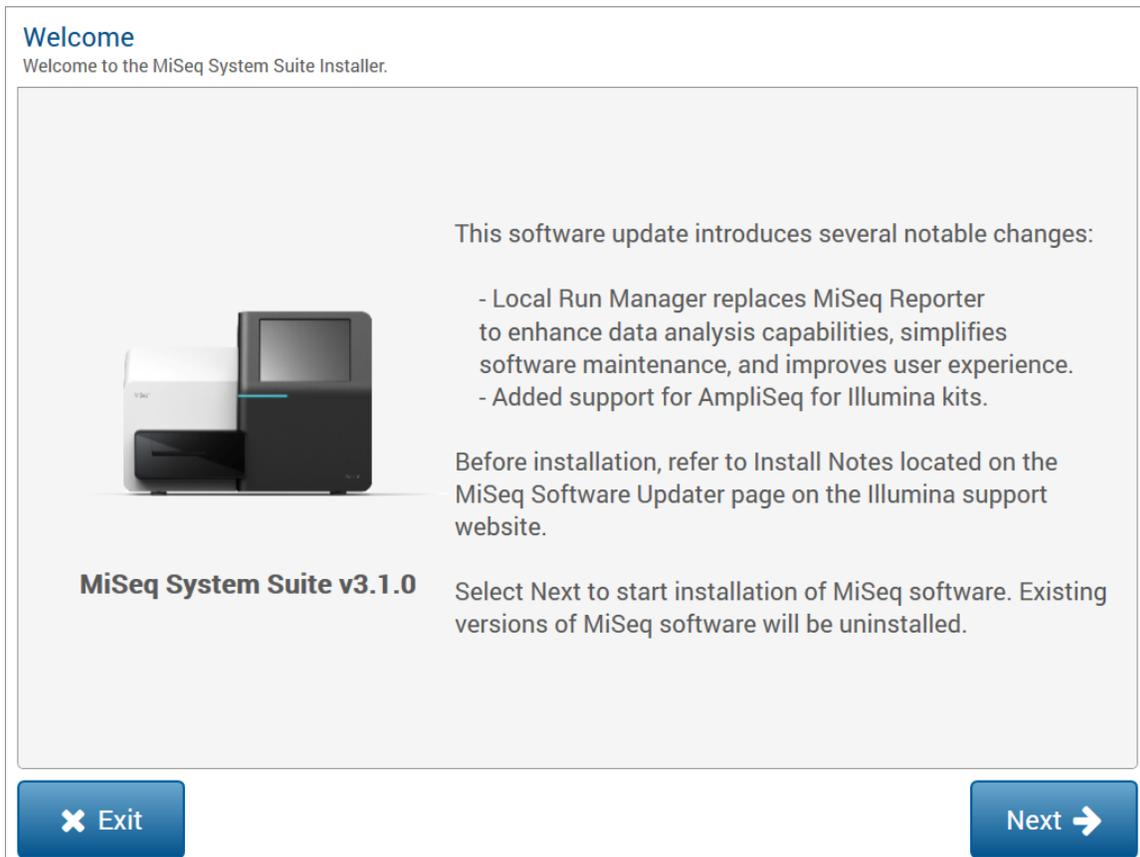
- 1) Download the MiSeq 3.1 Updater from the support site:
https://support.illumina.com/downloads/miseq_software_updater_and_reference_genomes_updater.html
- 2) Save the updater to a USB storage device. Make sure that the USB drive is free from viruses and contains enough space for the updater.
NOTE: *The updater is contained in a Zip file. Unzip this folder and its contents before performing the update.*
- 3) Plug the USB storage device into an available USB port on the right hand side of the MiSeq, near the touch screen.
NOTE: *Before performing the installation, exit the MiSeq Control Software (MCS) application. Software Update through MCS Manage Instrument screen is not functional in this release.*
- 4) Navigate to the unzipped updater folder on your USB drive.
- 5) Copy the folder onto the Desktop. Eject and remove the USB storage device.
- 6) To run the installer, double-click **MiSeqUpdater.exe** (You might *need to right-click and select "Run as Administrator".*)
- 7) MiSeq 3.1 requires .NET Framework 4.5.2 to run the updated software applications. The .NET Framework welcome screen will appear. Select **Accept and Install**.
NOTE: *The .NET framework installation can take up to 10-15 minutes to complete.*



8) When prompted for a reboot, select **OK**.



9) After reboot, the Updater Welcome Window will automatically launch. Select **Next**.



10) Read the Software License Agreement, and then select **Accept**.

Software Agreement
Select Accept to accept the Illumina software agreement.

Illumina Sequencing Instrument Software License Agreement

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← Back ✕ Cancel Accept →

11) Review the list of software versions included, and then select **Next**. The updater installs all necessary components on your instrument and deletes the old versions.

Install List
Select Install to start installation of listed applications.

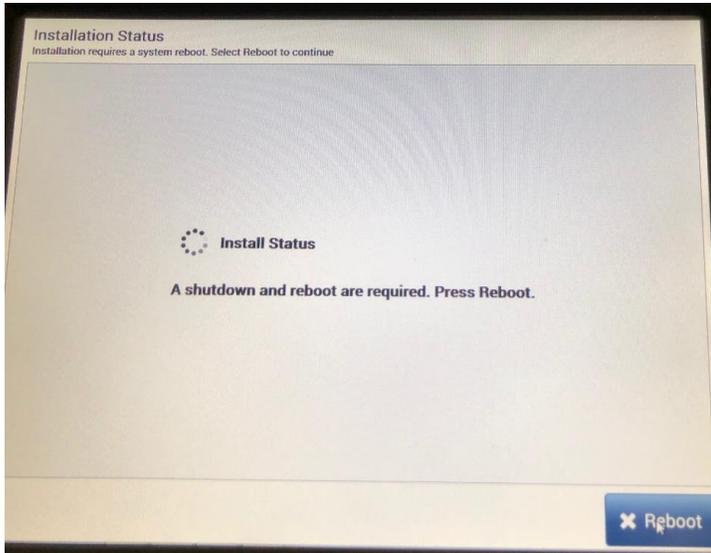
The below will be installed as part of MiSeq System Suite v3.1.0:

Software	Current Version	Suite Version
MiSeq Control Software	None	3.1.0.13
MiSeq Recipes	None	3.1.0.2
Real Time Analysis	None	1.18.54.4
BaseSpace Broker	None	2.9.2.15
Sequencing Analysis Viewer	None	1.11.1.0
Local Run Manager Installer	None	2.0.1.1736

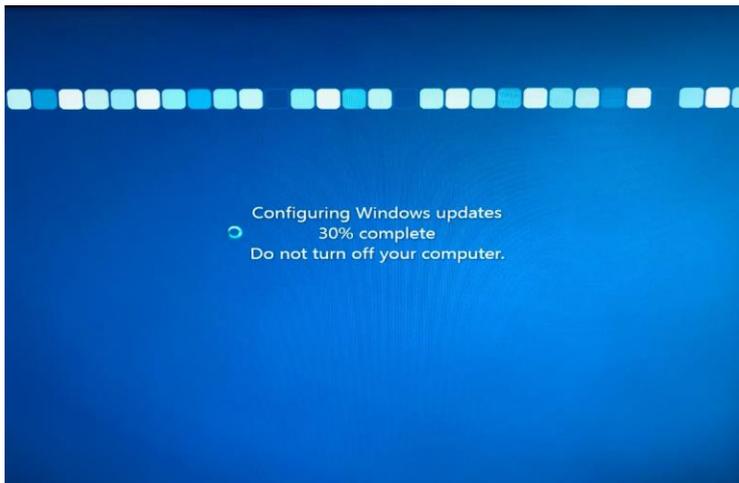
For more information refer to the Customer Release Notes, available on illumina.com under MiSeq Support Downloads.

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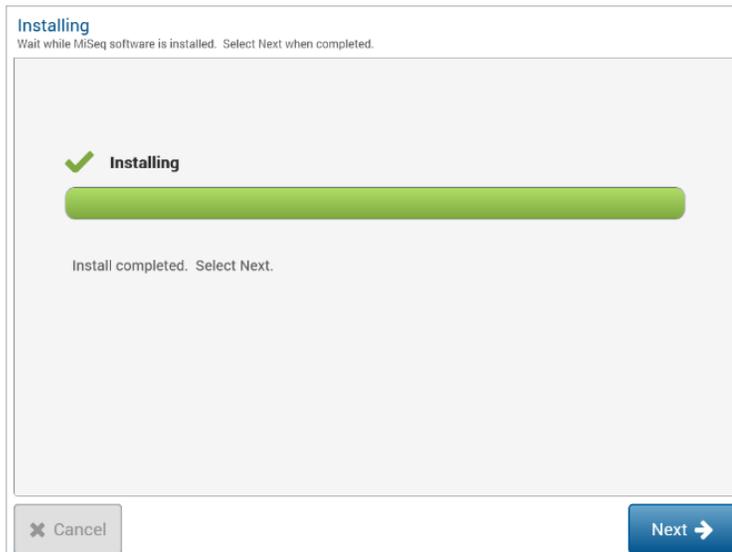
- 12) You are prompted to reboot during installation. Select **Reboot**.
After the reboot, expect a lengthy pause before the MiSeq Updater resumes.



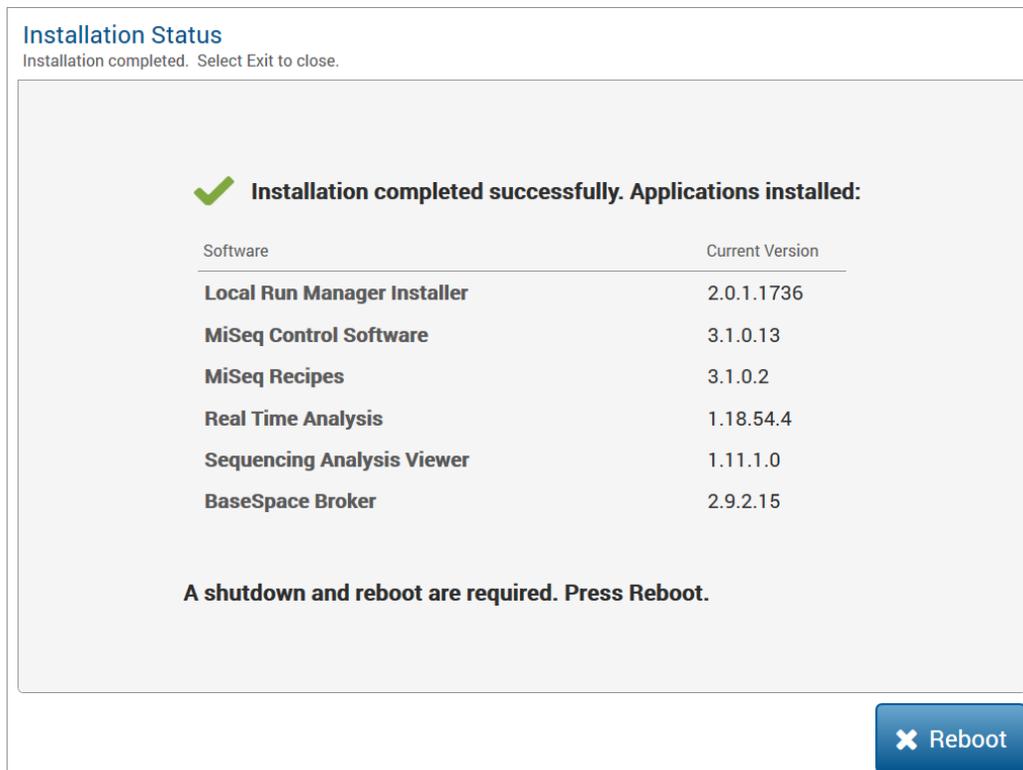
- 13) A minor, required automatic Windows Update will be installed as part of this software release to enable Local Run Manager. This may take a few minutes to complete.



14) Once installation is completed, select **Next**.



15) Review the list of software versions installed, and then select **Reboot** to close the updater and restart the MiSeq to complete the installation.



Verification of Software Update

- 1) On the MiSeq Control Software Home page, select the ? icon in the top right and then select **About** to check that the list of installed software versions is complete and current. Look in the Windows Control Panel Programs and Features for the installed version of Sequencing Analysis Viewer (SAV).

Customer Solutions:
orders@illumina.com

Technical Support:
techsupport@illumina.com

Internet:
www.illumina.com/support/sequencing.ilmn

MiSeq™ Control Software

Version: 3.1.0.13
Build Date: 1/8/2016 10:26:16 AM
Instrument ID: M99999
Computer: MISEQ
IP Address: 10.16.36.91
Uptime: 0:00:01:35
Runs: 0

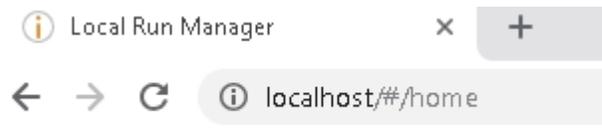
Recipe Fragment Version: 3.1.0.2
FPGA Version: 9.99.99
RTA Version: 1.18.54.4
Local Run Manager Version: 2.0.1.1736
BaseSpace Broker Version: 2.9.2.15

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Using MiSeq Reporter (MSR) Reference Genomes

Reference Genomes are set to C:\Illumina\Genomes by default. To use the MiSeq Reporter Reference Genomes, perform the following steps.

- 1) Open Local Run Manager by launching a Chromium browser and entering URL: <http://localhost/#/home>



- 2) Go to **Tools** → **System Settings** → **System Configuration**

- 3) Update the Repository path to: C:\Illumina\MiSeq Reporter\Genomes
System Settings



- 4) Select **Save**

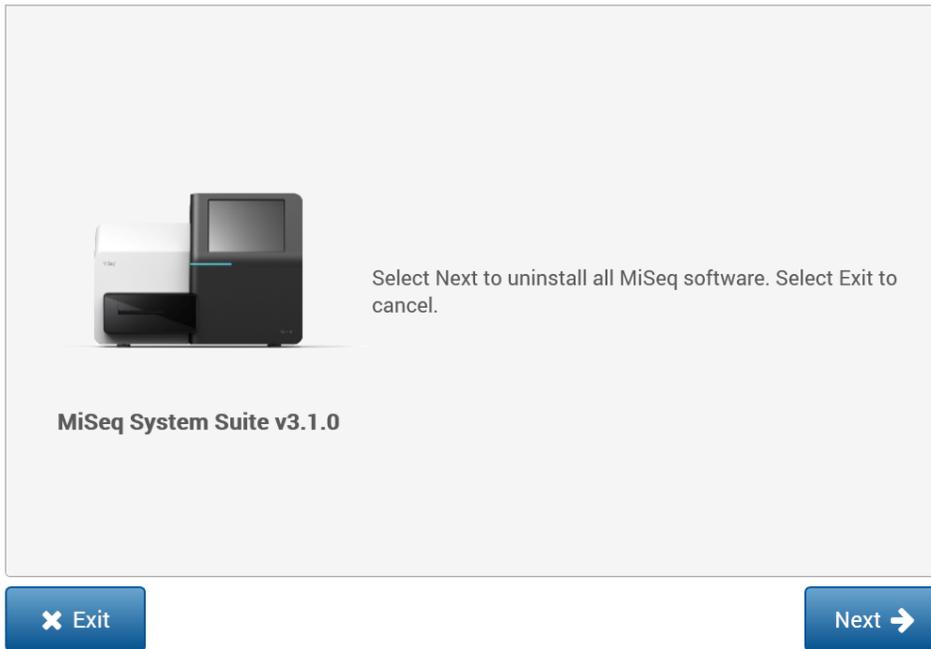
Uninstalling MiSeq System Suite Software

If you want to downgrade to a previous version of MiSeq Software, first uninstall MiSeq 3.1.

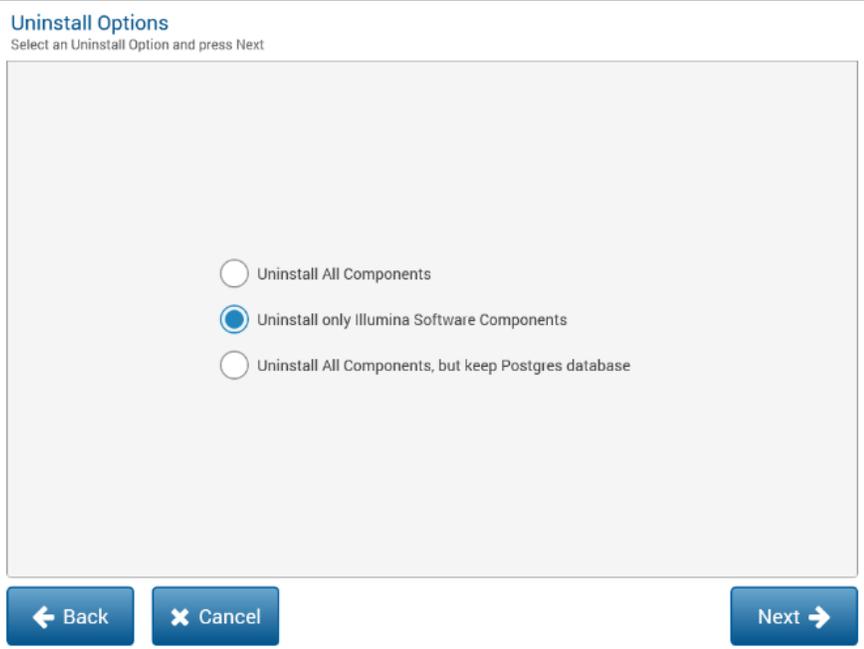
- 1) Navigate to the location of the previously-downloaded MiSeq 3.1 updater.
 - a. Insert the USB drive to which the updater zip file was downloaded and launch the **MiSeqUpdater.exe** file from there.
- 2) Launch the updater. It automatically detects that the MiSeq System Suite v3.1.0 is installed and displays the uninstall workflow. Select **Next** to continue. *Alternatively, locate Illumina MiSeq System Suite in Programs and Features and click Uninstall.*

Welcome

Welcome to the MiSeq System Suite Installer.



- 3) Select from the following methods to uninstall.
- Uninstall All Components:** Uninstalls all Illumina components of the MiSeq System Suite, including 3rd-party components like the Postgres database used by Local Run Manager, RabbitMQ Server, and Erlang.
 - Uninstall only Illumina Software Components:** Uninstalls only Illumina software, but will leave 3rd-party components intact (*default*). This option is ideal if you plan to install Local Run Manager again in the future.
 - Uninstall All Components, but keep Postgres database:** Uninstalls Illumina software and some 3rd-party components, but leaves the Postgres database used by Local Run Manager intact.



The image shows a dialog box titled "Uninstall Options" with the instruction "Select an Uninstall Option and press Next". It contains three radio button options: "Uninstall All Components", "Uninstall only Illumina Software Components" (which is selected), and "Uninstall All Components, but keep Postgres database". At the bottom, there are three buttons: "Back" with a left arrow, "Cancel" with an 'x' icon, and "Next" with a right arrow.

4) Confirm the software versions to be uninstalled, and select **Uninstall** to proceed.

Uninstall List
Select Uninstall to start removal of listed applications.

The following application(s) will be uninstalled:

Software	Current Version
MiSeq Control Software	3.1.0.13
MiSeq Recipes	3.1.0.2
Real Time Analysis	1.18.54.4
BaseSpace Broker	2.9.2.15
Sequencing Analysis Viewer	1.11.1.0
Local Run Manager Installer	2.0.1.1736

Once started, the uninstall cannot be cancelled. Allow uninstall to complete and re-install if necessary.

← Back Uninstall →

5) After uninstallation completes, select **Next** to proceed to the finish screen.

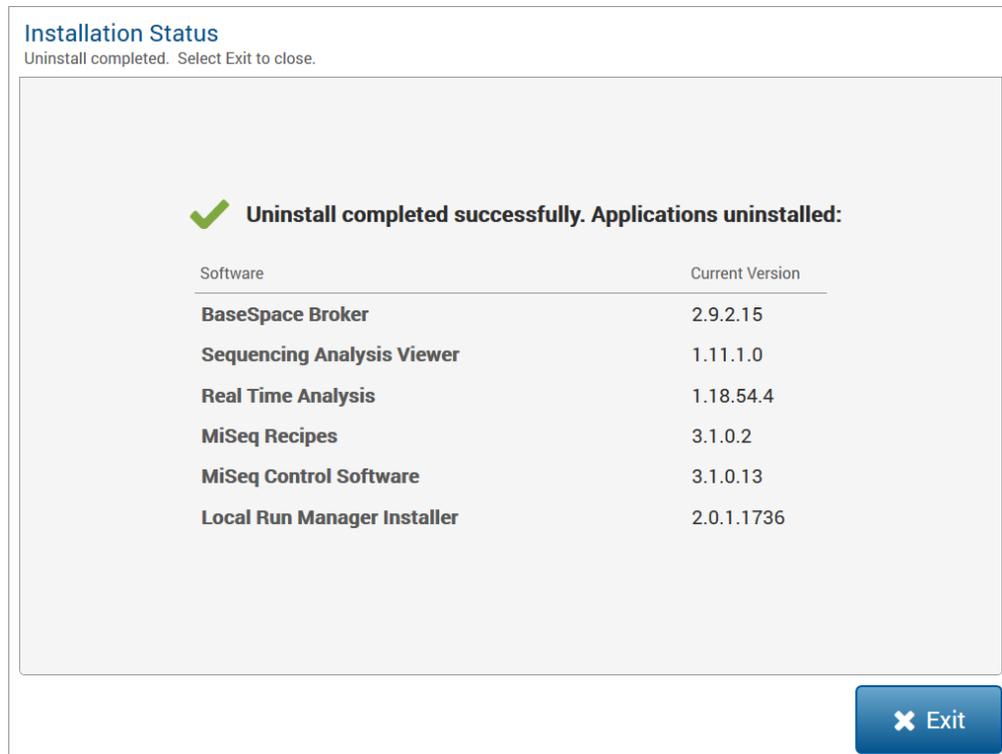
Uninstalling
Wait while MiSeq software is uninstalled. Select Next when completed.

✓ **Successfully uninstalled... 100%**

Uninstall completed. Select Next.

Next →

6) Confirm the software versions are uninstalled and select **Exit** to quit.



NOTE: Contact Illumina Technical Support (techsupport@illumina.com) about additional steps required when downgrading to a previous version of MiSeq Software.