

HiSeq Control Software Install Notes Part Number: 100000043663 v00 Release Date: 13-NOV-2017 Page 1 of 14

Install Notes

HCS HD 3.5.0

RTA 2.7.7

SAV 1.10.2

Recipe Fragments (RF) 3.6.0.4

BaseSpace Broker 2.9.2.15

Run Copy Service 1.0.19.0

For HiSeq X[®] Systems



Introduction

This document describes the installation process for HCS HD 3.5.0, RTA 2.7.7, SAV 1.10.2, Recipe Fragments 3.6.0.4, BaseSpace Broker 2.9.2.15, and Run Copy Service 1.0.19.0 for HiSeq X systems.

Important: During the installation process, some files are automatically renamed. Custom settings must be manually changed after the renaming.

I. Pre-Installation

Required PC Specs

- 1. Server provided by Illumina[®] with the HiSeq system.
- 2. Make sure that .Net Framework 4.5.1 is installed before running the installer.
- 3. Make sure that FPGA version 10.37.13 is installed before running the installer. If a different FPGA is installed, an FSE must perform this upgrade.

To find the .Net version, select **Control Panel | Programs and Features**.

To find the FPGA version, select **Menu** | **About** from the HCS interface.

Downloading Installers

- 1. Get the software batch installer from the Illumina website.
- 2. Copy the installation package folder to the computer desktop.

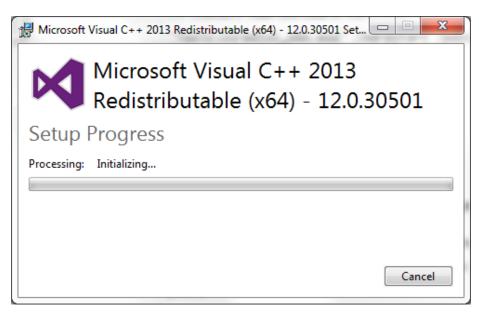
II. Installation

- 1. Make sure that the instrument and control computer are turned on.
- 2. Stop the BaseSpace Broker service before proceeding with the update
 - a. Select Control Panel | Administrative Tools | Services.
 - b. From the list of Services, select BaseSpace Broker (might be listed as Illumina BaseSpace Broker), and then select **Stop the service**.
- 3. In the HCS installer folder, double-click the **InstallSoftwareX.bat** batch file to initiate the install process:

Note: The script guides you through the HCS, RTA, SAV, Recipe Fragments, and BaseSpace Broker installers in sequential order as shown below. It is important to complete the entire installation process to ensure a successful upgrade.



The installer first installs Microsoft Visual C++ 2013 automatically.



When prompted, click **Next**, and then **Finish** to install each component of the software upgrade.

BaseSpace Broker Setup Screen

If you have no BaseSpace Broker or an old Broker version installed to your server, click **Next**.



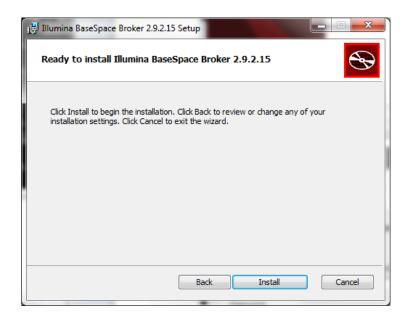


Enter the customer default BaseSpace account and password. If this information is unknown, use LocalSystem as the Account name and leave the Password field blank, and click **Next**.

Note: You must click in the password field to activate the Next button.

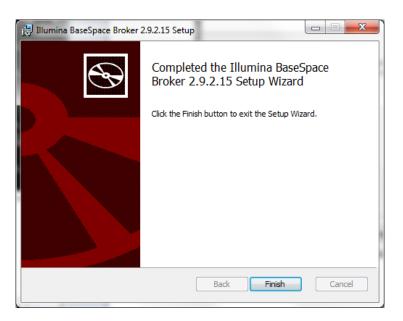
🖶 Illumina BaseSpace Broker 2.9.2.15 Setup	x
Service account Enter service account details.	Ð
Specify the logon account for the Illumina BaseSpace Broker 2.9.2.15 service.	
Account name (Example: domain\user or user@domain): LocalSystem	
Password:	
The account entered here will not be validated. Make sure that the account details entered are correct.	
Back Next Cana	cel

Click Install.





Click Finish.



If you already have BaseSpace Broker 2.9.2.15 installed to your server, you will be asked whether you want to "Repair" or "Remove" the software, since the version included in the installer is already installed. In this case, click **Cancel** to exit the installer (you already have the correct version).

Recipe Fragments Setup Screen

Click Next.





Click Finish.



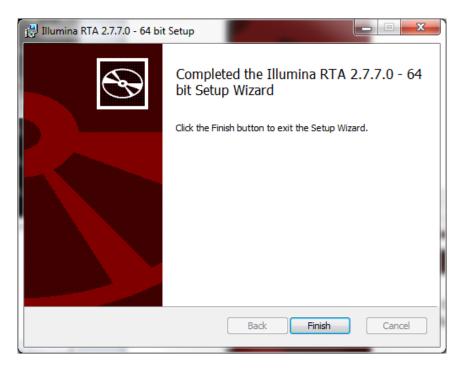
RTA Setup Screen

If you have no RTA or an old RTA version installed to your server, Click Next.





Click Finish.



If you already have RTA 2.7.7 installed to your server, you will be asked whether you want to "Repair" or "Remove" the software, since the version included in the installer is already installed. In this case, click **Cancel** to exit the RTA installer (you already have the correct version).

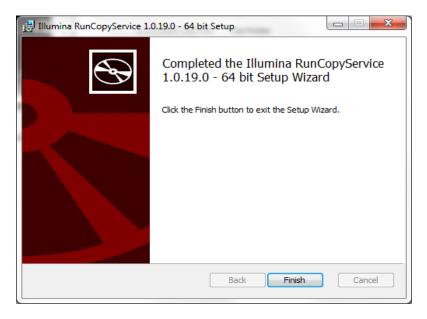


Run Copy Service Setup Screen

If you have no RCS or an old RCS version installed to your server, click **Next** and then **Finish** to complete installation in a manner similar to the previous installers.



If you already have RCS 1.0.19.0 installed to your server, you will be asked whether you want to "Repair" or "Remove" the software, since the version included in the installer is already installed. In this case, click **Cancel** to exit the RCS installer (you already have the correct RCS version).





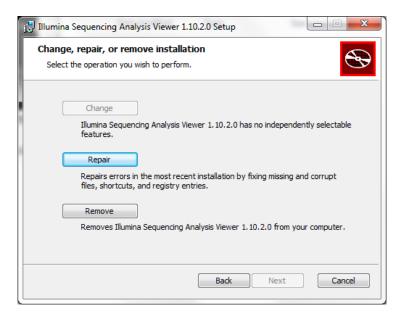
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SAV Setup Screen

If you have no SAV or an old SAV version installed to your server, click **Next** and then **Finish** to complete installation in a manner similar to the previous installers.

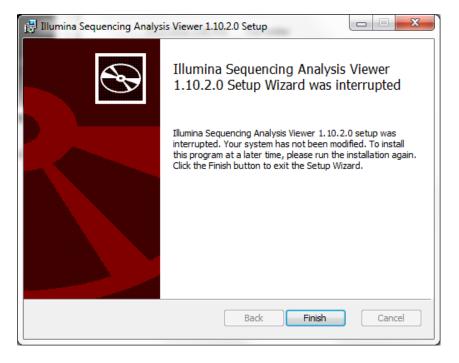


If you have SAV 1.10.2 installed to your server, the following screen appears when you click **Next**.





In this case, click **Cancel** to exit the SAV installer (you already have the correct SAV version). The following screen appears:



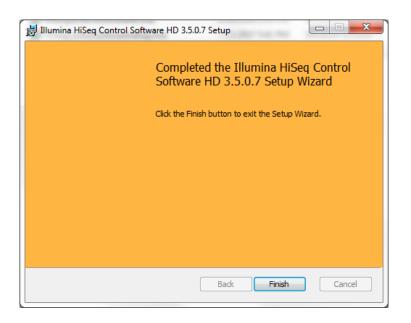
Click Finish.



HCS Install Screen



Click Next.



Click Finish.



Override Migration Tool

Select Next to start the tool.



Next to the **Original Override.cfg File** field, click **Browse** and then browse to the location of the Override.cfg file (located in the Archimedes_Flash folder on the DONOTEJECT drive)

Select the Override.cfg file.

Select Next.

Tllumina Override Migration Tool 1.0.13	×
Illumina Override Migration Tool 1.0.13	
Options File (optional, updates some or all fields below)	
C:\Illumina\Override\HiSeqX_1.6\Options.txt	Browse
Template Override.cfg File	
C:\Illumina\Override\HiSeqX_1.6\Override.cfg	Browse
Migration File	
C:\Illumina\Override\HiSeqX_1.6\Migration HiSeqX 1.6.csv	Browse
Original Override.cfg File	
E:\Archimedes_Flash\Override.cfg	Browse
Destination Override File (if same as above, will rename original with date/time)	
E:\Archimedes_Flash\Override.cfg	Browse
× Exit	►► Next



Select **Exit** to close the tool.

Illumina Override Migration Tool 1.0.13	×
Illumina Override Migration Tool 1.0.13	
Update complete.	
opudre complete.	
Exit View File	
EXIL	

Press any key to close the command prompt window

C:\wind	ows\system32	\cmd.exe		1	100			- O X	
100% 100%	Same Same			258048 144		rrideMigra rrideMigra			
100%	Same	Same			Ove	OverrideMigrationTool.pdb			
Dirs Files Bytes Times	: : : 558.:	6 25 3 k 59	Copied 0 25 58.3 k 00:00		Mismatch 0 0 0	FAILED 0 0 0 0:00:00	Extras 0 0 0 0:00:00		
Speed Speed Foded		218	31.175	Bytes/sec. MegaBytes/ 2017					
C:\Users verride e\HiSeqX C:\Users	\sbsuser\) Migration _1.6\0ptic	Desktop Tool 1. ons.txt' Desktop	HiSeq 0.13.0 ' HiSeq	X HD 3.5.0 0\OverrideM X HD 3.5.0	ligrationTo	ol.exe" "@	C:\Illumir		

Launch HCS from desktop shortcut and make sure that the instrument initializes. Select **Menu** | **About**, and then confirm that the following software versions are updated and displayed:

- HCS v3.5.0.7
- RTA v2.7.7
- Recipe Fragment v3.6.0.4

HCS HD 3.5.0, RTA 2.7.7, SAV 1.10.2, RF 3.6.0.4, BaseSpace Broker 2.9.2.15 Install Notes November 14, 2017



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Make sure that the BaseSpace Broker service has automatically restarted and is running. To do this, go to Windows Task Manager | Services. From the list of Services, find Illumina BaseSpace Broker and make sure that the status should is listed as Running. If it is not, manually start the broker.

Applications P	Tocesses	Services	Performance	Networ	rking Users			
Name		A.		PID	Description	Status	Group	
EventSyste fdPHost FDResPub FontCache FontCache Gpsvc hidserv hidserv hidserv hidserv hidserv hidserv hidserv timeGroup idsvc txFFXT	3.0.0.0			712 1504 712 660 644	COM+ Event System Function Discovery Provi Function Discovery Provi Function Discovery Reso Windows Font Cache Ser Windows Font Cache Ser Group Policy Client Human Interface Device Health Key and Certificat HomeGroup Distener HomeGroup Provider Windows CardSpace BCE and AuthIP IPsec Ke	Running Stopped Running Running Stopped Running Running	LocalService LocalService LocalService N/A netsvcs LocalSyste netsvcs LocalSyste LocalServic	E
Ilumina Bas	eSpace Bro	ker		7424		Running	N/A	
IPBusEnum	and the second second				PnP-X IP Bus Enumerator	Stopped	LocalSyste	
iphipsvc KeyIso				660	IP Helper CNG Key Isolation	Running Stopped	NetSvcs	
KtmRm					KtmRm for Distributed Tr	Stopped	NetworkSe	
LanmanServ	ver			660	Server	Running	netsvcs	
LanmanWor	rkstation			1144	Workstation	Running	NetworkSe	
Itdsvc					Link-Layer Topology Disc	Stopped	LocalService	
Imhosts				396	TCP/IP NetBIOS Helper	Running	LocalServic	
MMCSS					Multimedia Class Scheduler	Stopped	netsvcs	
MpsSvc				1336	Windows Firewall	Running	LocalServic	
MSDTC					Distributed Transaction C	Stopped	N/A	
MSISCSI					Microsoft iSCSI Initiator	Stopped	netsvcs	
msiserver				5140	Windows Installer	Running	N/A	
MSMFramev	work			1968	MSMFramework	Running	N/A	
napagent					Network Access Protecti	Stopped	NetworkSe	
Netlogon					Netlogon	Stopped		
Netman				644	Network Connections	Running	LocalSyste	*
								Services

Note: Individual installers are also included for all the components: HCS, RTA, Recipe Fragments, SAV, and BaseSpace Broker.

- If you are using the Install Script, these individual installers are *not* needed.
- If you experience a problem during the installation, use individual installers to install individual components.
- If this occurs, manually uninstall the program through Control Panel | Programs and Features before repeating the installation.

Installation Troubleshooting

Contact Illumina Technical Support if any issues arise during installation.