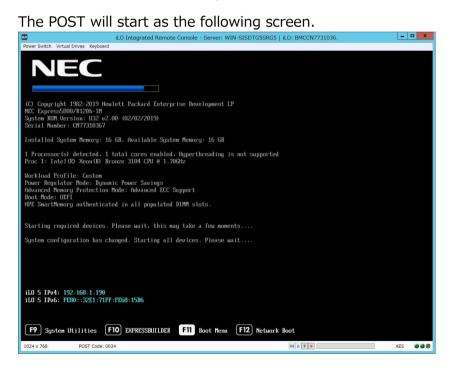
# Steps to update firmware by Starter Pack DVD

This document includes notice for using starter Pack DVD to update Firmware. Please see the following steps to update firmware directly by Starter Pack DVD without Windows and Linux OS environment.

(1) Disable the secure booting.

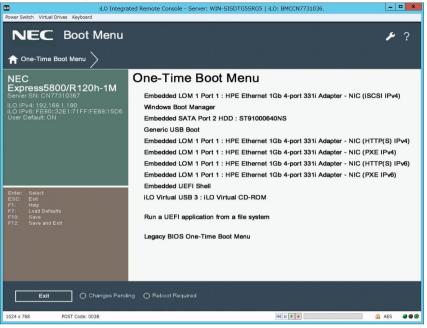
Run System Utilities, and then proceed to Secure Boot Settings in System Configuration > BIOS/Platform Configuration (RBSU) > Server Security.

(2) Power off and power on the server or restart the server by pressing <Ctrl>+<Alt>+<Delete> keys.



(3) Press <F11> key during the POST.

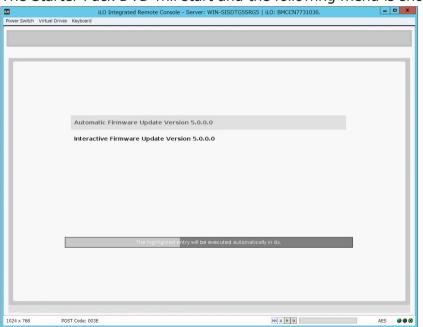
#### The following Boot Menu is shown.



The list of Boot Menu will be changed depending on the system environment.

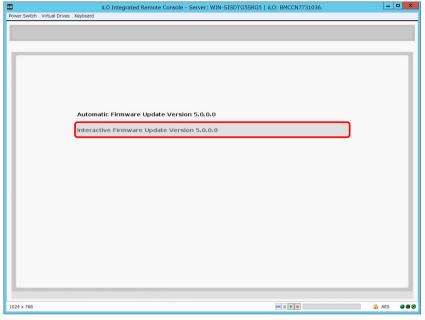
(4) Choose the DVD drive set in step (2) on the One-Time Boot Menu.

The Starter Pack DVD will start and the following menu is shown.



(5) Choose **Interactive Firmware Update** by pressing <down> key and press <Enter> key.

- If no key is pressed within 10 seconds, be careful another update process will start automatically.
- Customers using Express5800/R110j-1 be sure to select "Interactive Firmware Update" if System ROM v 2.00 (05/15/2019) is applied.



Wait for a while until the following screen appears.

	5 11	
iLO	iLO Integrated Remote Console - Server: WIN-SISDTG5SRG5   iLO: BMCCN7731036.	_ 🗆 X
Power Switch Virtual Drives Keybe	board	
NEC		
NEC		
Standard Prog	gram Package 5.0.0.0	
Select the pre	eferred language	
	5 5	
🗹 English	Japanese	
Accept the En	nd User License Agreement (EULA)	
Read	Accept	
		ĸ
Reboot	N	ext
1024 x 768	W N P O	AES 🔵 🖲 😒

### (6) Click Read under Accept the End User License Agreement (EULA).

Dialog box will appear.

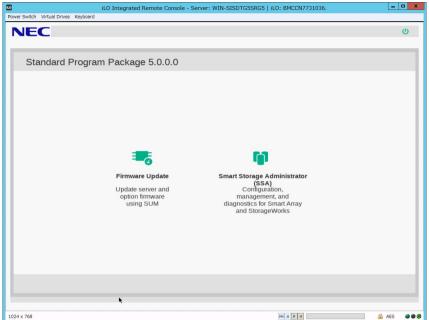
(7) Read the EULA, and then click **Accept**.

ilo	iLO Integrated Remote Console - Server: WIN-SISDTG5SRG5   iLO: BMCCN7731036.	_ 🗆 X
Power Switch Virtual Dr	rives Keyboard	
NEC		
Standa	Standard Program Package	ж
Stanua	NEC Software License Agreement 1. License 	
Selec	this Agreement. 2. Period	
€ E	(1) This Agreement comes into effect on the day when you received the Software. (2) You may terminate the license granted hereunder by notifying us in writing at least one month prior to the desired termination date.	
Accer	<ul> <li>(3) NEC may terminate the license granted you hereunder at any time if you fail to comply with any terms and conditions of this Agreement.</li> <li>(4) Upon termination of the license, you must destroy, uninstall or dispose of the Software, any copies of the Software and manual and other materials provided with the Software.</li> <li>3. Right of use</li> </ul>	
	(1) You may use the Software only on the purchased products, the products which NEC defines as the supported models for the Software. (2) NEC grants you the right to use the Software only in the country in which you acquired the Software in accordance with the conditions of the preceding paragraph. 4. Intellectual Property Rights including patent and copyright	
	All of the intellectual accounts induce to the Coffman including estant and constable belong to NEC	
	Accept Reboot	
Reboot	]	Next
1024 x 768		🔒 AES 🛛 🔿 🕄

(8) Click **Next** on the lower right of the screen.

language of the second s		
<b>ILO</b>	iLO Integrated Remote Console - Server: WIN-SISDTG5SRG5   iLO: BMCCN7731036.	_ 🗆 X
Power Switch Virtual Drives	Keyboard	
NEC		
Standard P	Program Package 5.0.0.0	
C tearreitea a r	regiant i dendige eterere	
Colored disc		
Select the	e preferred language	
🗹 Englist	sh 💷 Japanese	
Accept the	e End User License Agreement (EULA)	
	5 ( )	
Read	✓ Accept	
Read	Marken Karlen	
	N	ext
	•	
1024 x 768	IN 11 P 0	🔒 AES 🛛 🔿 🔿

(9) Click Firmware Update.



The Localhost Guided Update screen will appear and the inventory process is started. Wait for a while until "Inventory completed" message appears on the screen like the below.

0	iLO Integrated Remote Console - Server: WIN-SISDTG5SRG5   iLO: BMCCN7731036.
Power Switch Virtual Drives Keyboard	
NEC Smart Update Manager 8	3.4.0
Localhost Guided I	Jpdate
	Exit
	Actions V
Stop 1	Stop 2 Stop 2
Step 1	Step 2 Review Deployment
Inventory of baseline	e and node
<ul> <li>Inventory of baseline</li> </ul>	
Standard Program Packaç	ge Baseline successfully added Total components 651
<ul> <li>Inventory of Localhost</li> </ul>	
Iocalhost Inventory	Node already has one or more installed components with version higher than the
completed	version available in the baseline.
Next Abort Sta	art Over Reboot
D24 x 768	M I P P

(10) Click **Next**. "Step 2 Review" will appear.

10	iLO Integrated Remote Console - Se	rver: WIN-SIS	DTG5SRG	5   iLO: BMCCN77	731036.		_ 🗆 X
Power Switch Virtual Drives Keyboard							
NEC Smart Update Manager 8.							
Localhost Guided U	pdate						
							Exit
							Actions V
Step 1	Step 2						
				:			
Deployment summary	У						
▼ localhost - applicable co	omponents						I
Applicable Components: 7							
Suggested Components: 0							
Selected Components: 0							
Select all	Deselect all						
Search	Q						
Select Package Components		Ready to w proceed	Туре	Criticality	Installed Version	Available Version	Reboot Required
servers using I /5100/5200/610	r Linux - Innovation Engine Firmware for ntel Xeon Scalable 3100/3200/4100/4200 0/6200/8100/8200 series Processors 0.11-2.1.x86_64)	\$	Firmware	Optional	View Details	0.2.0.11	Required
Online ROM El	seh Comnones for Linux - il O 5	0	Firmwara	Recommended	1 /12	1.40	No
1024 x 768				KK 11 🕨 🔍			🔒 AES 🛛 🔿 🔿 🎯

A list of firmware will appear.

The firmware displayed depends on the server hardware configuration.

Force     Online ROM Flash for Linux × 86 64 (timware-nil-broadcom- 2.23.10-11.1x86_64)     Details       Force     Online ROM Flash for Linux - Advanced Power Capping Microcontroller Filmware for servers using Intel Xeon Scalable 3100/4005/100/610/06100/6100/6100/100/e100 series Processors (timware-powerpic-1.0.4-11.1x88_64)     Firmware Optional     View Details     1.0.4     No       Force     Online Flash for Linux - Server Platform Services (SPS) 3100/3200/4100/4200/5100/6200/8100/8200 series Processors (timware- sps-04.01.04.251.2.1.x86_64)     Firmware Optional     View Details     04.01.04.251     Required Details	Force	Online ROM Flash Component for Linux - ILO 5 (firmware-IIo5-1.40-1.1.x86_64)	\$	Firmware	Recommended	1.43	1.40	No
Force     Online ROM Flash for Linux x66 64 (timware-nit-broadcom- z2310-11.1886_64)     Details       Force     Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 31004/0051006100010010010010010010010010010010010	Force		0	Firmware	Recommended	1.43	1.30	No
Force         Microcontoller Firmware for servers using Intel Xeon * Scalable 3100/05100/6100/6100/6100/6100/6100/62006         Details           Force         Online Flash for Linux - Server Platform Services(SPS) ◆ Firmware for servers using Intel Xeon Scalable 3100/2004/100/42005/100/82006/100/800/800/800/800/800/800/800/800/800	Force	for Linux x86_64 (firmware-nic-broadcom-	\$	Firmware	Optional		2.23.10	Required
Force         Firmware for servers using Intel Xeon Scalable         Details           310/03/2004/10/04/2005/005/2005/005/2006/2008/200         Details           spe>40.10.4251.21.x86_64)         Details           Force         Online ROM Flash Component for Linux - System ROM ◆         Firmware Optional         U32 2.00 - U32 2.00 - U32 2.00 - U32 2.00 - U32 (02/02/2019)           001/07         Online ROM Flash Component for Linux - System ROM ◆         Firmware Optional         U32 2.00 - U32 (02/02/2019)           001/07         02/02         (02/02         (02/02/2019)           001/07         02/02         (02/02/2019)         (02/02/2019)	Force	Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	\$	Firmware	Optional		1.0.4	No
U22 (firmware-system- oem-u32-2.00_2019_02_02-1.1_x86_64) (02/02 /2019)	Force	Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors (firmware-	\$	Firmware	Optional		04.01.04.251	Required
arnings/Alerts	Force	U32 (firmware-system-	\$	Firmware	Optional	(02/02		Required
	/arnings	Alerts						

The blue bar means that the firmware will be installed at step (13).

(11) Search for "Online ROM Flash Component for Linux-System ROM" in the firmware list and check the icon on the left.

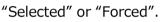
If the icon is "Selected" or "Forced", continue to the next step, else if the icon on the left is "Select" or "Force", click "Select" or "Force" and change it to "Selected" or "Forced".



(12) Search for "Language Pack – Japanese" and "Online ROM Flash Component for Linux - iLO5", and make sure that those are selected.

Selected

If Language Pack or iLO5 is not selected, click "Select" or "Force" to change it to





Do not change the selective state of other firmware by this step.

\*The installed version of "Language Pack – Japanese" is same as installed version of "Online ROM Flash Component for Linux - iLO5".

(13) Scroll the window if necessary, and then click **Deploy** on the lower left of the screen. "Step 3 Deployment" will start.

Wait for a while until "Deployment completed" message appears on the screen like the below.

ILO .	iLO Integrated Remote Console - S	Server: WIN-SISDTG5SRG5	iLO: BMCCN7731036.	_ 🗆 🗙
Power Switch Virtual Drives Keyboard				
NEC Smart Update Manager 8.4				
Localhost Guided Up	date			
				Actions V
Step 1	Step 2	Step 3 Deployment		
Deployment				
localhost Deployment com		Deployment done.		
Search	Q			
▲ Component	Package		Deployment status	Log
firmware-ilo5-1.40-1.1.x86_64	4 Online ROM I iLO 5	Flash Component for Linux -	Success.	View log
firmware-lpk-ilo-1.30-1.1.x86	_64 Language Pa	ck - Japanese	Success.	View log
firmware-system- oem-u32-2.00_2019_02_02-1		Flash Component for Linux - I U32	Success, reboot required to activate new version.	View log
Start Over Abort	Reboot			
1024 x 768			N 11 > •	🔒 AES 🛛 🔿 🕲

(14) To confirm the success of updating, check that the status icons are green like

\_ 0

ons V

View log View log View log

🔒 AES 🛛 🔵 🗑 🧐

iLO Int ver Switch Virtual Drives Keyboard	egrated Remote Console - Server: WIN-SISDTG5SRC	65   iLO: BMCCN7731036.	
IE⊂ Smart Update Manager 8.4.0			
Localhost Guided Update			1
			1
Step 1	Stop 2		
Step 1	Step 2 Review Deployment		
Deployment	Review Step 3 Deployment		
:	Review Deployment		
Deployment  Iocalhost Deployment completed			
localhost Deployment completed		Deployment status	
Deployment  Iocalhost Deployment completed Search P	Deployment done		
localhost Deployment completed Search	Deployment dono Package Online ROM Flash Component for Linux -	Deployment status	

Start Over Abort Reboot

1024 x 768

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(15) Eject the Starter Pack DVD from the drive, and the click **Reboot** on the lower left of the screen.

10	iLO Integrated Remo	te Console - Server: WIN-SISDTG5SRG5	iLO: BMCCN7731036.	_ 0 X
Power Switch Virtual Drives Keyboard				
NEC Smart Update Manager 8.4	4.0	Reboot		
Localhost Guided Up	pdate	Are you sure you want to reboot the node?		
		Are you sure you want to reboot the hode?		
		Yes, Reboot Cancel		Actions V
Stop 1		Stop 2		
Step 1		Step 3 Deployment		
Deployment				
Iocalhost Deployment cor	mpleted	Deployment done.		
Search	Q			
▲ Component				Log
firmware-ilo5-1.40-1.1.x86_6	54	Online ROM Flash Component for Linux - ILO 5	Success.	View log
firmware-lpk-ilo-1.30-1.1.x86	6_64	Language Pack - Japanese	Success.	View log
firmware-system- oem-u32-2.00_2019_02_02-	1.1.x86_64	Online ROM Flash Component for Linux - System ROM U32	Success, reboot required to activate new version.	View log
Start Over Abort	Reboot			
1024 x 768			64 II M	🙆 AES 🛛 🔍 🏵

(16) Enable the secure booting if necessary.

The procedure is complete after the system restarts.

When Internal Slim DVD-ROM drive [N8151-137] or Internal DVD-Super Multi Drive [N8151-138] is used, the Starter Pack DVD can not be ejected after the system restarts. For details, see Troubleshooting [1. Starter Pack DVD cannot eject from the DVD drive].

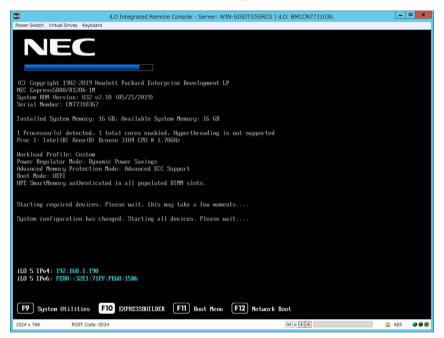
### Troubleshooting

## 1. Starter Pack DVD cannot eject from the DVD drive

If the DVD eject button does not work after restarting the server, please see the following steps to eject the DVD.

(1) Power off/on the server or restart the server by pressing <Ctrl> + <Alt> + <Delete> keys.

The POST will start as the following screen.



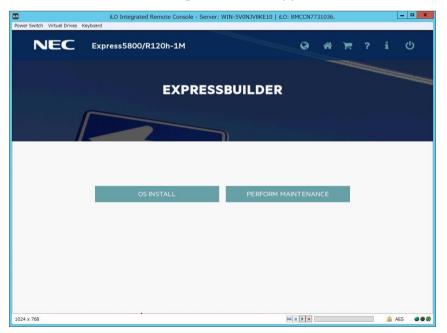
(2) Press <F10> key during POST.

The following screen will appear.

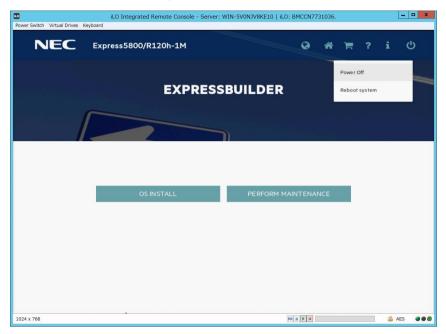
ilo	iLO Integrated Remote Console - 9	Server: WIN-SISDTG5SRG5   iLO: BMCCN7731036.	-	n x
Power Switch Virtua	al Drives Keyboard			
Power Switch Virtuz	Provisioning Smart Storage Administrator Scripting Toolkit Windows PE 64 Bit Server Hardware Diagnostics UEFI	Mode		
1024 x 768	POST Code: 003E	isi n 🕨 💌	🔒 AES	

(3) Choose **Provisioning**. If no key is pressed within 10 seconds, the Provisioning will start automatically.

After a while, the following screen will appear.



- (4) To eject the DVD, press the DVD eject button on the DVD drive.
- (5) To exit the EXPRESSBUILDER, click the power icon on the upper right and choose **Power off** or **Reboot system**.



The procedure is completed.