Boot Options BIOS Settings

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Boot Options BIOS Settings

The following table lists the boot options BIOS settings that you can configure through a BIOS policy or the default BIOS settings:

Name	Description	Supported Attributes			
		Version	Platform	Values	Dependencies
Number of Retries	Number of attempts to boot.	4.1(1)	B200 M5, B480 M5,C480 M5	Infinite. **13**, 5 • **Infinite**The system attempts all configured boot options and repeats until the system boots or is interrupted manually. • **5, 13**The system attempts all configured boot options and repeats the selected number of times until the system boots or is interrupted. If all attempts fail, the system prompts to continue. Value 13 is the default value for Cisco UCS B200 M5 and 5 is the default value for Cisco UCS B480 M5.	Applicable only when Boot Option Retry is Enabled.
Cool Down Time (sec)	The time to wait (in seconds) before the next boot attempt. This can be one of the following:	4.1(1)	B200 M5, B480 M5,C480 M5	15 sec, 45 sec, **90 sec** • **15, 45, 90**System waits for the selected time in seconds before the next boot attempt.	Applicable only when Boot Option Retry is Enabled.
Boot Option Retry	Whether the BIOS retries NON-EFI based boot options without waiting for user input.	4.1(1)	B200 M5, B480 M5,C480 M5	**Disabled**, Enabled • **Disabled**—Waits for user input before retrying NON-EFI based boot options. • **Enabled**—Continually retries NON-EFI based boot options without waiting for user input.	

Name	Description	Supported Attributes			
		Version	Platform	Values	Dependencies
IPV4 HTTP Support	Enables or disables IPv4 support for HTTP.	4.2(1)	C245 M6, C220 M7, C240 M7, X210c M7, X410c M7	Disabled, **Enabled** • **Disabled**—IPv4 HTTP support is not available. • **Enabled**—IPv4 HTTP support is made available.	The Network Stack token value should be Enabled.
IPV6 HTTP Support	Enables or disables IPv6 support for HTTP.	4.2(1)	C245 M6, C220 M7, C240 M7, X210c M7, X410c M7	Disabled, **Enabled** • **Disabled**—IPv46 HTTP support is not available. • **Enabled**—IPv6 HTTP support is made available.	The Network Stack token value should be Enabled.
IPV4 PXE Support	Enables or disables IPv4 support for PXE.	4.2(1)	C245 M6, C220 M7, C240 M7, X210c M7, X410c M7	Disabled, **Enabled** • **Disabled**—IPv44 PXE support is not available. • **Enabled**—IPv4 PXE support is made available.	
IPV6 PXE Support	Enables or disables IPv6 support for PXE.	4.2(1)	C245 M6, C220 M7, C240 M7, X210c M7, X410c M7	Disabled, **Enabled** • **Disabled**—IPv46 PXE support is not available. • **Enabled**—IPv6 PXE support is made available.	The Network Stack token value should be Enabled.

Name	Description	Supported Attributes			
		Version	Platform	Values	Dependencies
Network Stack	This option allows you to enable or disable the complete network style of the system.	4.1(1), 4.2(1)	C245 M6, B200 M5, B480 M5, C220 M5, C240 M5, C480 M5, C125 M5, C220 M7, C240 M7, X210c M7, X410c M7	Disabled,**Enabled** • **Disabled**—Network Stack support is not available. • **Enabled**—Network Stack support is available.	When disabled, the value set for IPV6 PXE, IPV4HTTP, and IPV6HTTP Support does not impact the system.
Power ON Password	This token requires that you set a BIOS password before using the F2 BIOS configuration. If enabled, password needs to be validated before you access BIOS functions such as IO configuration, BIOS set up, and booting to an operating system using BIOS.	4.1(1), 4.2(1)	C220 M5, C240 M5, C480 M5, C125 M5, C245 M6, C220 M7, C240 M7	**Disabled**, Enabled • **Disabled**—Power On Password is disabled. • **Enabled**—Power On Password is enabled.	
P-SATA Mode	This options allows you to select the P-SATA mode.	4.1(1)	B200 M5, B480 M5, C220 M5, C240 M5, C480 M5	Disabled, **LSI SW RAID** • Disabled—P-SATA mode is disabled • LSI SW RAID—Sets both SATA and sSATA controllers to RAID mode for LSI SW RAID.	

Name	Description	Supported Attributes			Dependencies
		Version	**Platform**	**Values**	
SATA Mode	This options allows you to select the SATA mode.	4.1(1)	B200 M5, B480 M5, C220 M5, C240 M5, C480 M5	AHCI, **LSISW RAID**, Disabled • Disabled—SATA mode is disabled • LSI SW RAID—Sets both SATA and sSATA controllers to RAID mode for LSI SW RAID • AHCI	
VMD Enablement	Whether NVMe SSDs that are connected to the PCIe bus can be hot swapped. It also standardizes the LED status light on these drives. LED status lights can be optionally programmed to display specific Failure indicator patterns.	4.1(1)	C220 M5, C240 M5, B200 M5, B480 M5, C220 M7, C240 M7, X210c M7, X410c M7	**Disabled**, Enabled • Disabled—Hot swap of NVMe SSDs that are connected to the PCIe bus is not allowed. • Enabled—Hot swap of NVMe SSDs that are connected to the PCIe bus is allowed.	