Cisco Compute Hyperconverged C-Series M8 with Nutanix (CCHC + N) Ordering Guide

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Introduction

Cisco Compute Hyperconverged C-Series M8 Server with Nutanix Solutions

Cisco Compute Hyperconverged with Nutanix is a hyperconverged infrastructure solution integrating Cisco's best-in-class compute (Cisco Unified Computing System), datacenter networking, and SaaS infrastructure management platform (Cisco Intersight) with Nutanix's market-leading hyperconverged storage software, Nutanix Cloud Platform The Cisco Compute Hyperconverged with Nutanix family of appliances delivers pre-configured UCS servers that are ready to be deployed as nodes to form Nutanix clusters in a variety of configurations. Each server appliance contains three software layers: UCS server firmware, hypervisor (Nutanix AHV), and hyperconverged storage software (Nutanix AOS).

Cisco Compute Hyperconverged C-Series M8 Server with Nutanix Clusters

Physically, nodes are deployed into clusters, with a cluster consisting of three or more Cisco Compute Hyperconverged Server. These are integrated into a single system by a pair of Cisco UCS® fabric interconnects, creating clusters that support general-purpose deployments and mission-critical high-performance environments.

Purpose, Audience, and Scope

Purpose

This publication provides information about the ordering Cisco Compute Hyperconverged with Nutanix from CCW estimate creation.

Scope

This ordering guide describes the information for:

- Workflow from approved Nutanix Deal Registration to License fulfillment
- Ordering Structure of Cisco Compute Hyperconverged C-Series M8 Server with Nutanix
- Catalog of Product IDs of Cisco Compute Hyperconverged C-Series M8 Server
- Ordering Nutanix Hardware, Software Licensing and Professional Service options
- Links to additional resources

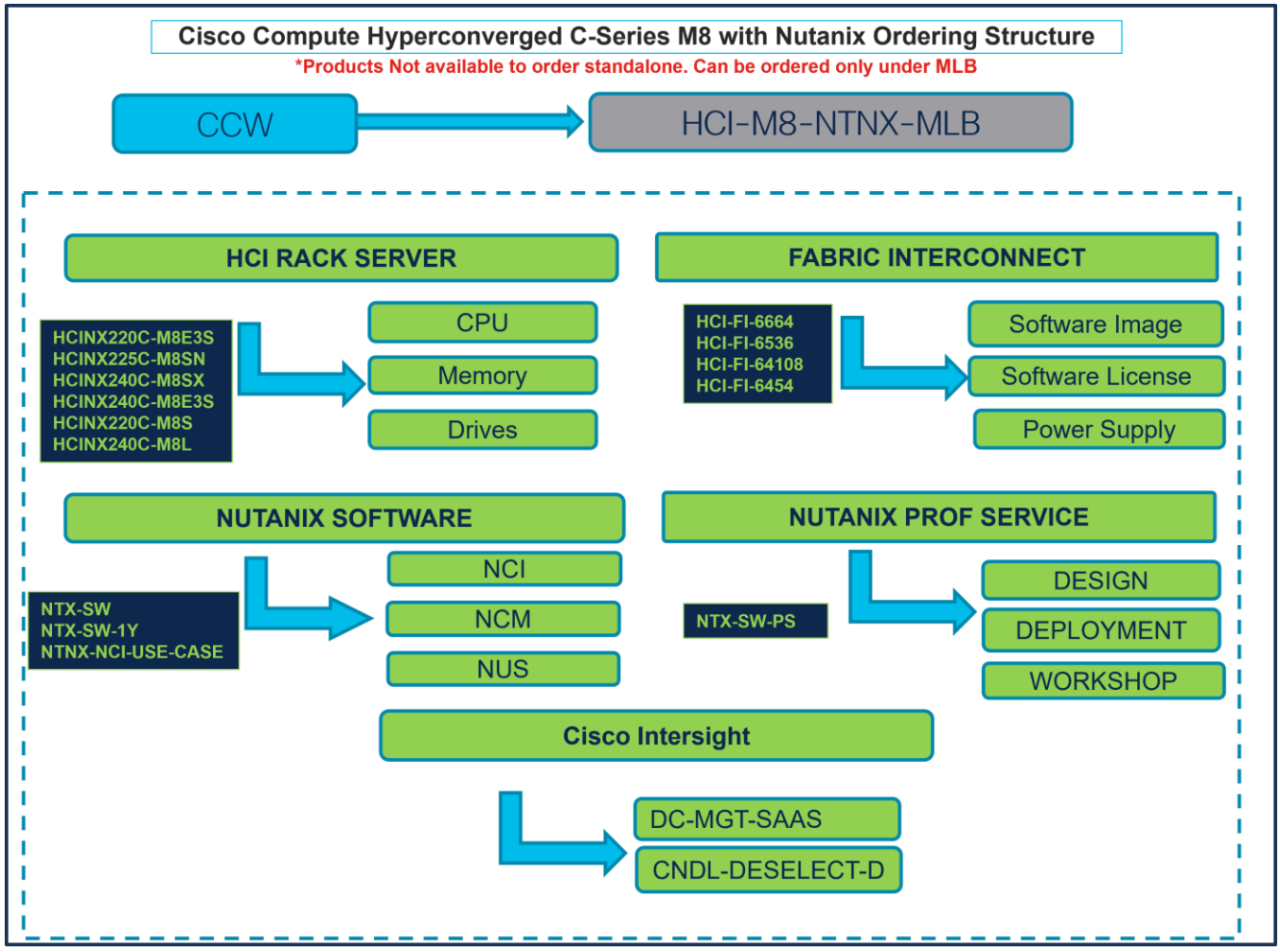
Audience

Cisco sales teams and partners.

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Ordering Structure of Cisco Compute Hyperconverged C-Series M8 Server with Nutanix



Catalog of Product IDs (PIDs)

Note: For a complete list of part numbers for the see the Cisco Compute Hyperconverged with Nutanix-HCINX240 M8 All-Flash Server, Cisco Compute Hyperconverged with Nutanix-HCINX220 M8 All-NVMe E3.S Server, Cisco Compute Hyperconverged with Nutanix-HCINX225 M8 All-NVMe Server

Table 1. PID of Major Line Bundle (MLB)

Product ID (PID)	Description
HCI-M8-NTNX-MLB	Cisco Compute Hyperconverged M8 with Nutanix MLB. Note: This major line bundle (MLB) consists of the Cisco Compute Hyperconverged Server, with Intersight and Nutanix software PIDs

Table 2. Cisco Compute Hyperconverged Server node Major Line PIDs

Product ID (PID)	Description
HCINX220C-M8E3S	Cisco Compute Hyperconverged HCI 220cM8 E3.S Nutanix Node

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Product ID (PID)	Description
HCINX220C-M8S	Cisco Compute Hyperconverged HCI 220cM8 Nutanix Node
HCINX240C-M8SX	Cisco Compute Hyperconverged HCI 240cM8 Nutanix Node
HCINX240C-M8L	Cisco Compute Hyperconverged HCI 240cM8 LFF Nutanix Node
HCINX240C-M8E3S	Cisco Compute Hyperconverged HCI 240cM8 E3.S Nutanix Node
HCINX225C-M8SN	Cisco Compute Hyperconverged HCI 225cM8 NVMe Nutanix Node

Table 3. Fabric Interconnect Major Line PIDs

Product ID (PID)	Description
HCI-FI-6664	Cisco Compute Hyperconverged Fabric Interconnect 6664
HCI-FI-6536	Cisco Compute Hyperconverged Fabric Interconnect 6536
HCI-FI-64108	Cisco Compute Hyperconverged Fabric Interconnect 64108
HCI-FI-6454	Cisco Compute Hyperconverged Fabric Interconnect 6454

Table 4. Cisco Intersight Major Line PIDs

Product ID (PID)	Description
DC-MGT-SAAS	Cisco Intersight SaaS
CNDL-DESELECT-D	Conditional Deselect

Step By Step Ordering Process

This section provides more information and details related to packages and PIDs specific to Compute Hyperconverged M8 Server with Nutanix. It also provides references to additional buying programs and subscription packages that Compute Hyperconverged M8 Server with Nutanix products may be included in.

Step 1. Launch your web browser and navigate to the Cisco Commerce Estimate Creation page.

Step 2. Log In to Cisco screen, type your Cisco.com user ID and password.

Step 3. In the Estimates page, set preferences for this estimate by entering the SKU, PID, product description or product family (for example, HCI-M8-NTNX-MLB) to search for the HCI product you wish to order.

Note:

- Refer to Nutanix Sizer Tool: https://sizer.nutanix.com/#/home before you proceed to do the Product Configuration.

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Configuring the Hardware Components

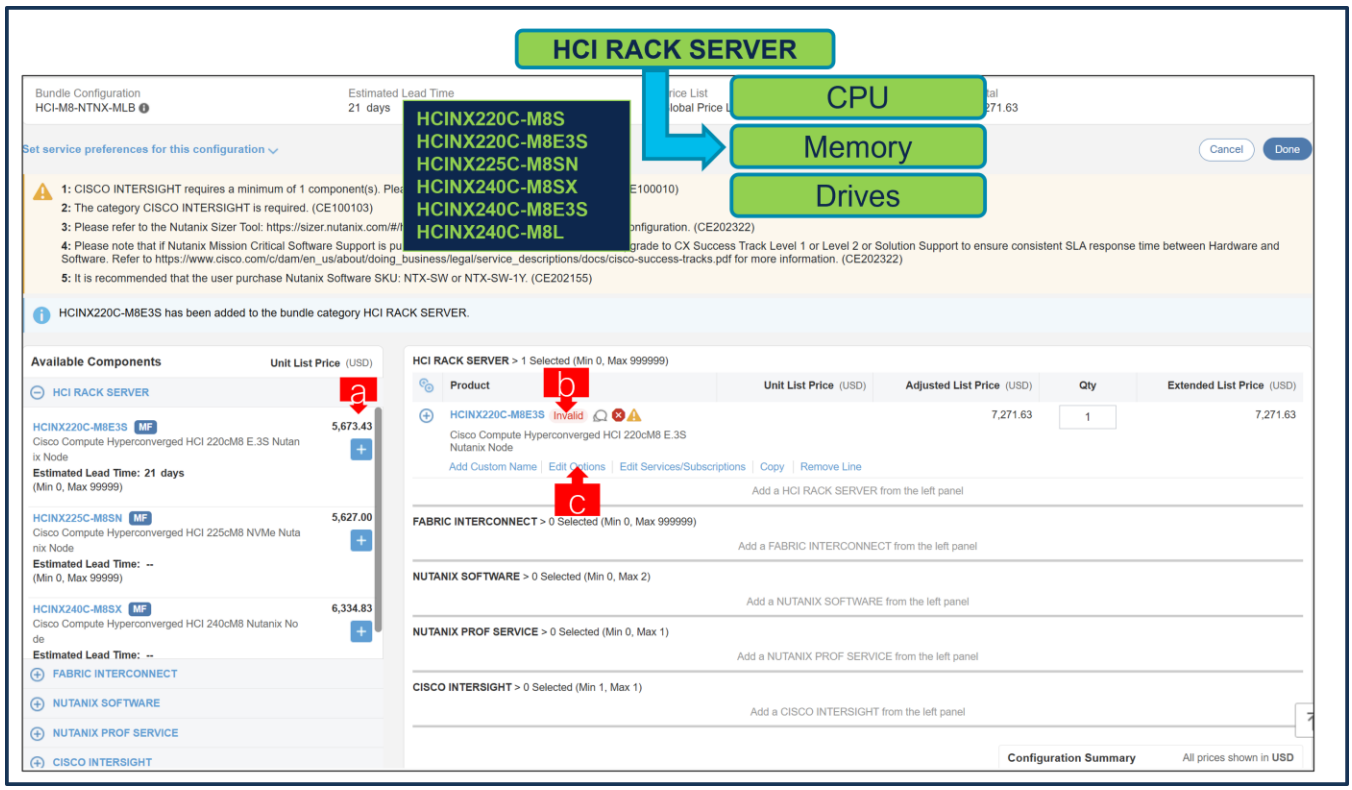
Step 4.



a. In CCW, search for MLB PID and click on “Add”

b. Click on “Select Options” to enter the configurator.

Step 5.



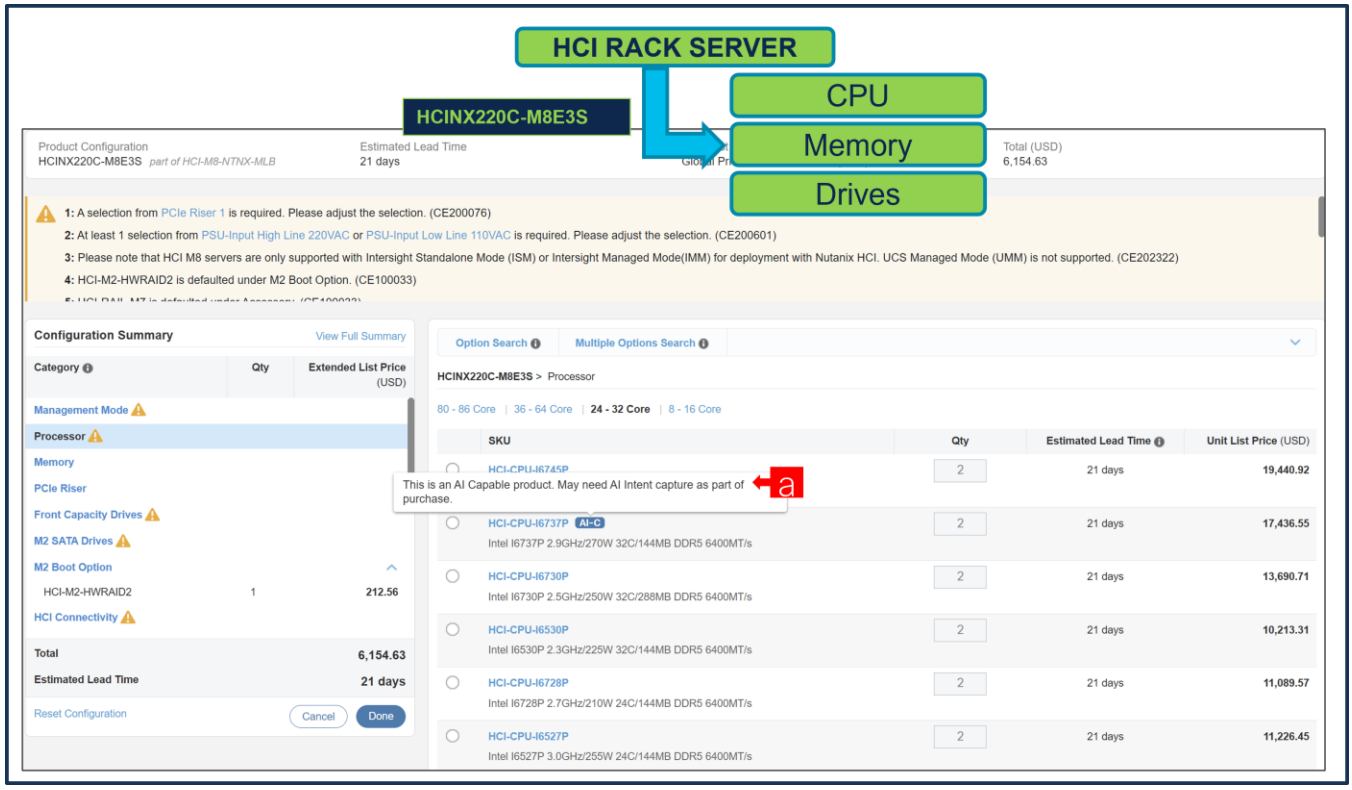
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a. Select HCINX220C-M8E3S ATO from under MLB by clicking the “PLUS”

b. Notice the HCINX220C-M8E3S ATO Status is “invalid” as further configuration needed.

c. Click on “Edit Options” to enter the configurator.

Step 6.

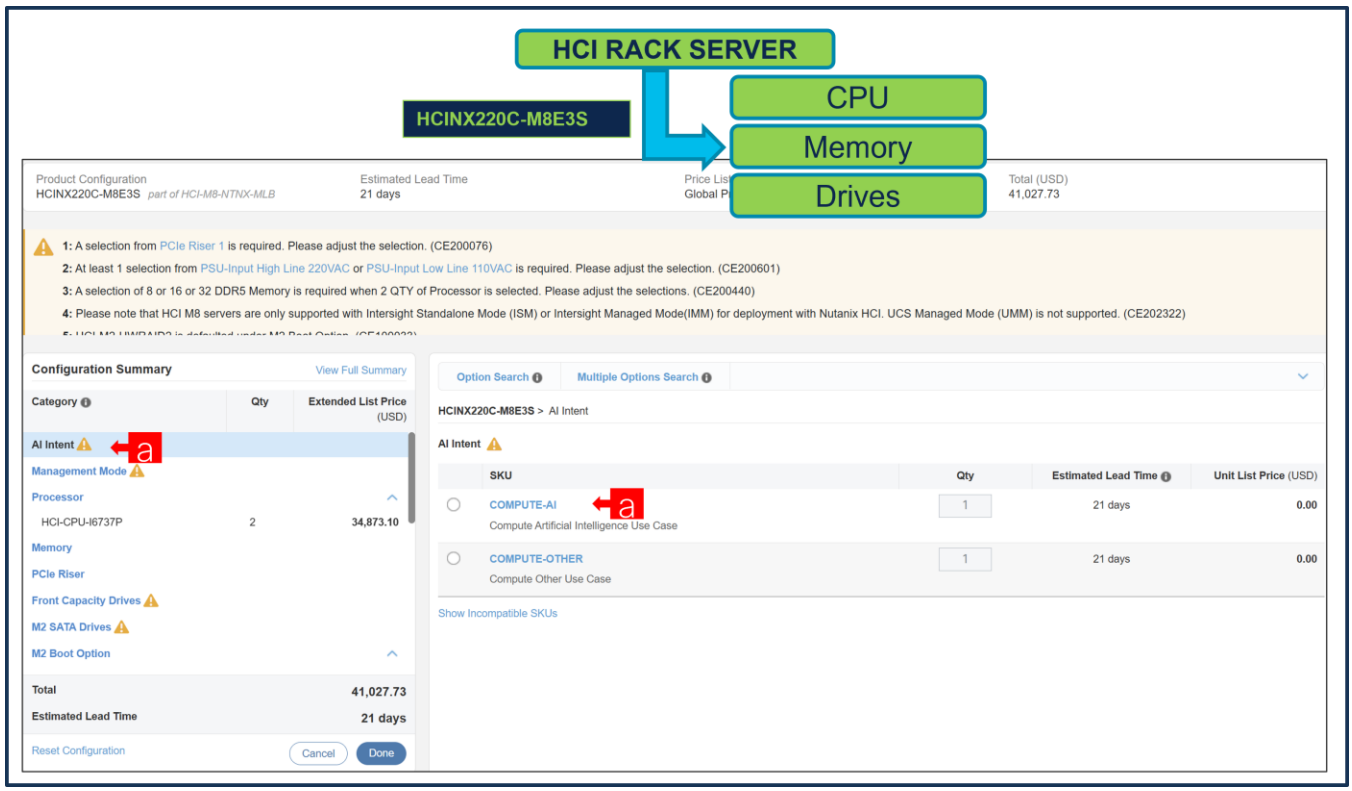


a. If any AI Capable PID is selected, then User need to make selection from AI Intent option class.

Step 7.

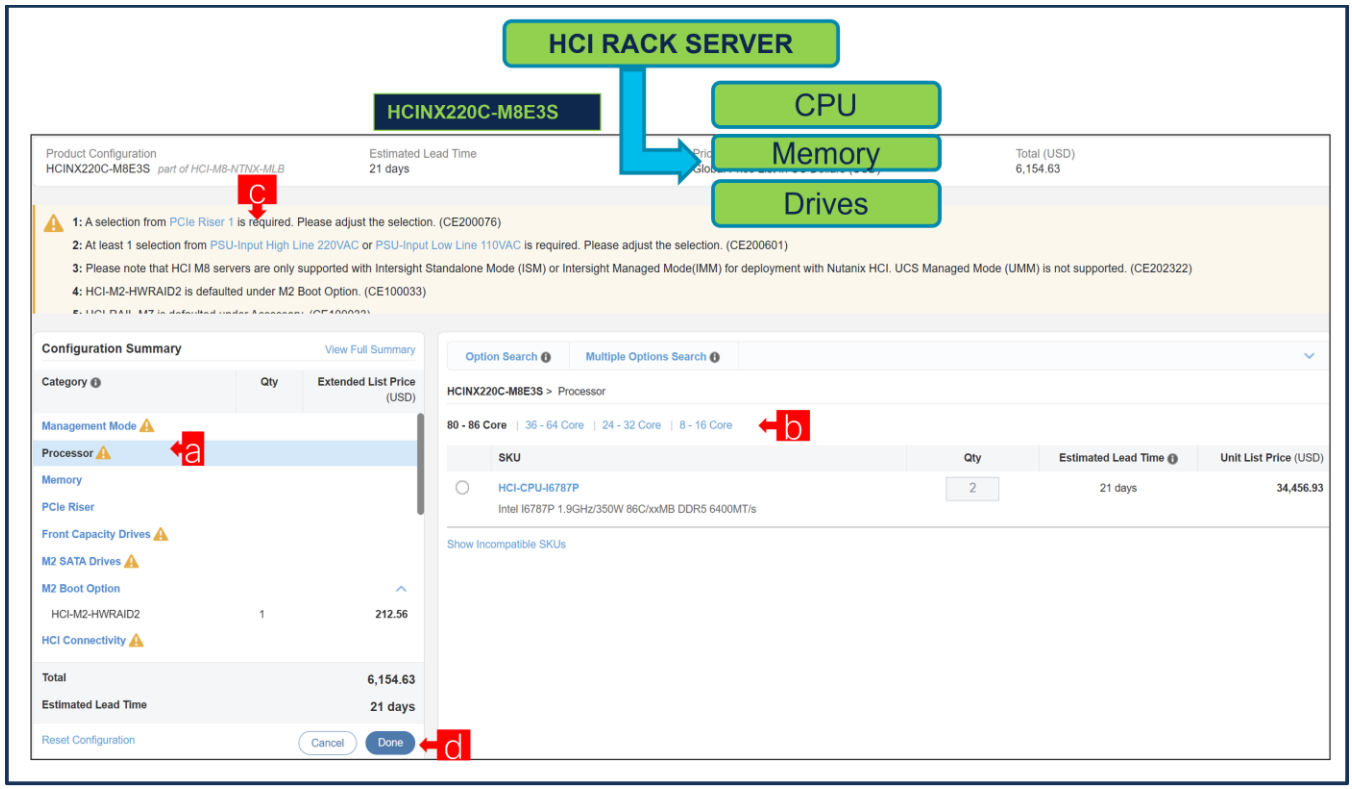
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a. By making the right selection it provides information to Cisco that if Server is being intended to use AI features or not.

Step 8.



a. Configure HCINX220C-M8E3S by selecting peripherals from category window on the left.

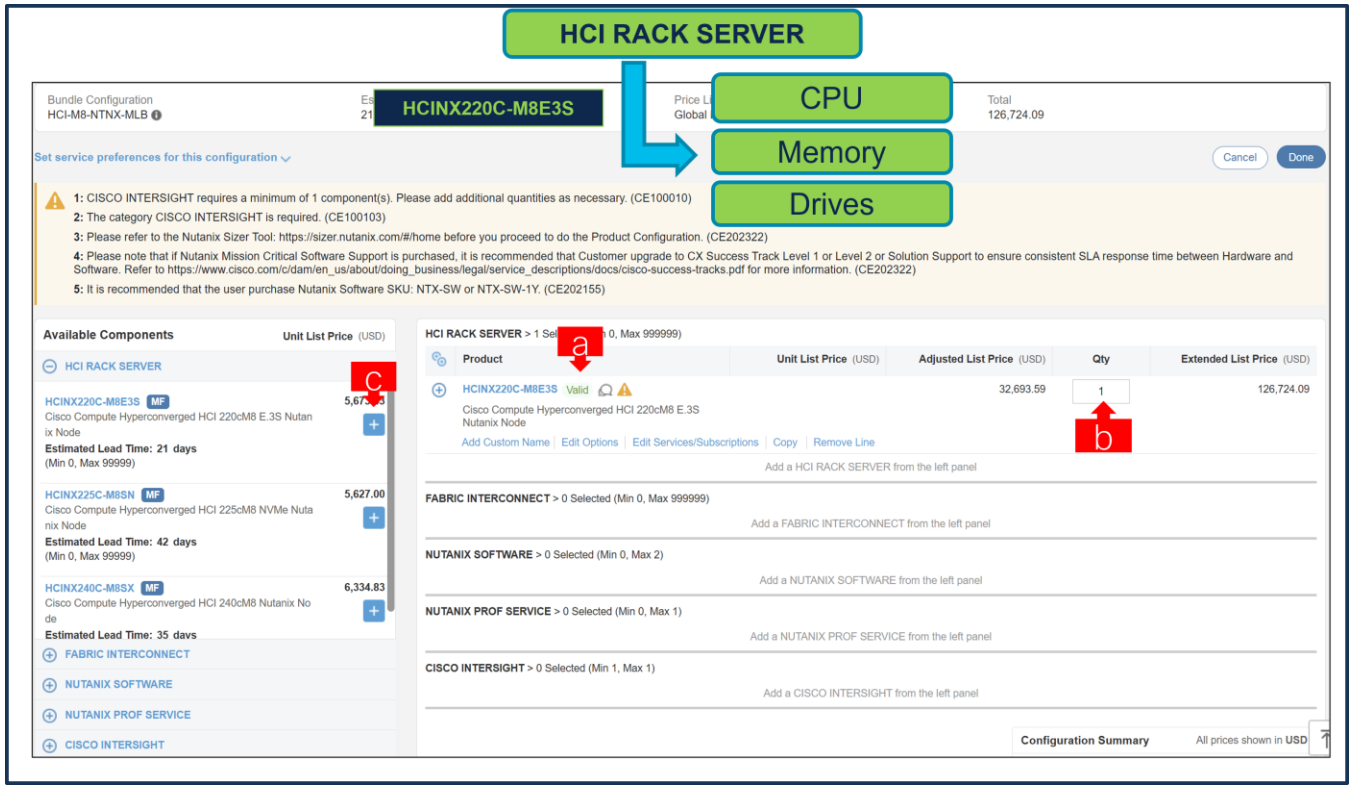
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b. PIDs are listed in the window on the right. Some PIDs like CPUs are grouped according to type or series; select from the grouped options located above SKU window on the right.

c. Follow warning messages to configure the minimum required option PIDs.

d. Click on “Done” when completed.

Step 9.



a. Note Status is now showing as “Valid”.

b. Increase the quantity for multiples of same configuration.

c. Click the “PLUS” to add and configure the same product with different option/quantities or select a different product.

Step 10.

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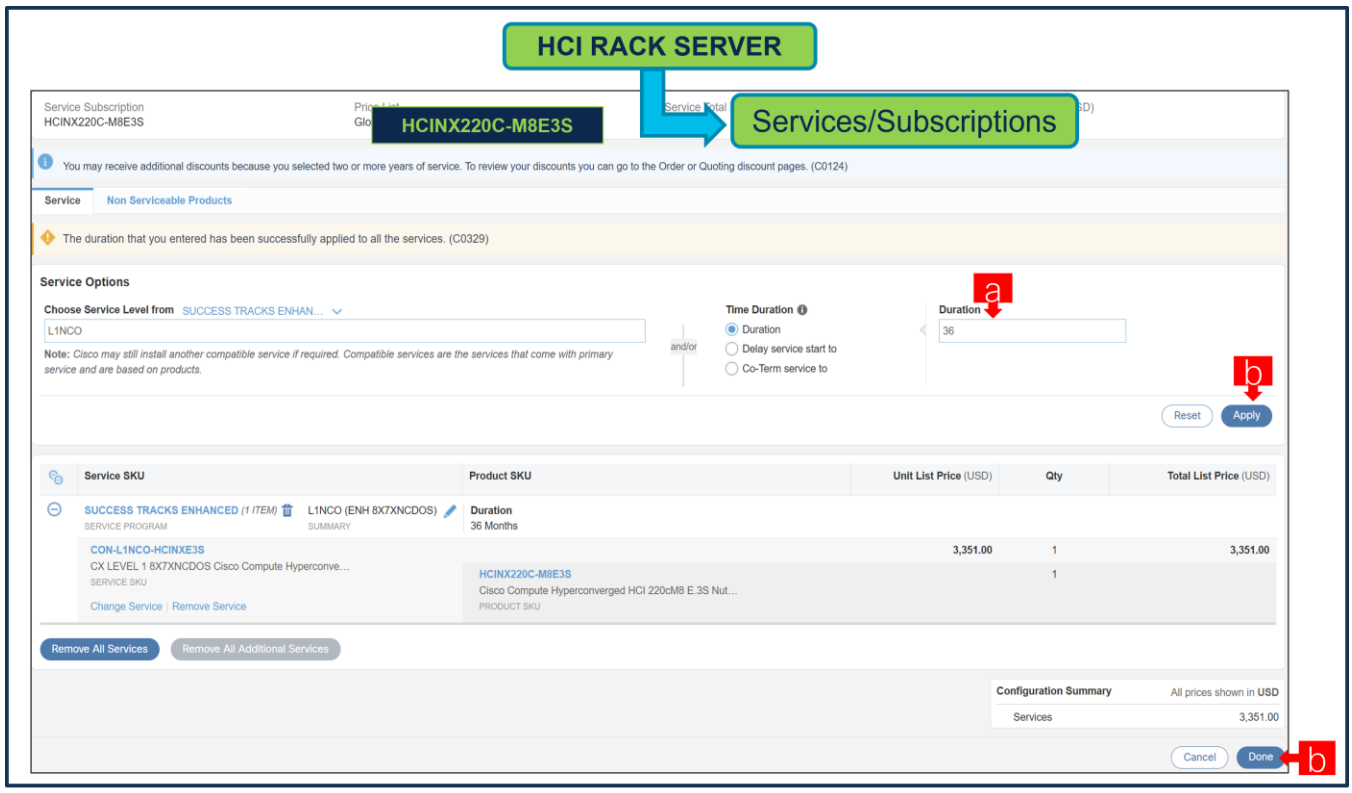


a. Click on “Edit Services/Subscriptions” to edit Term Duration for HW Support.

Note: It is recommended that Term Duration for HW Support must align with Software Subscription Duration.

Step 11.

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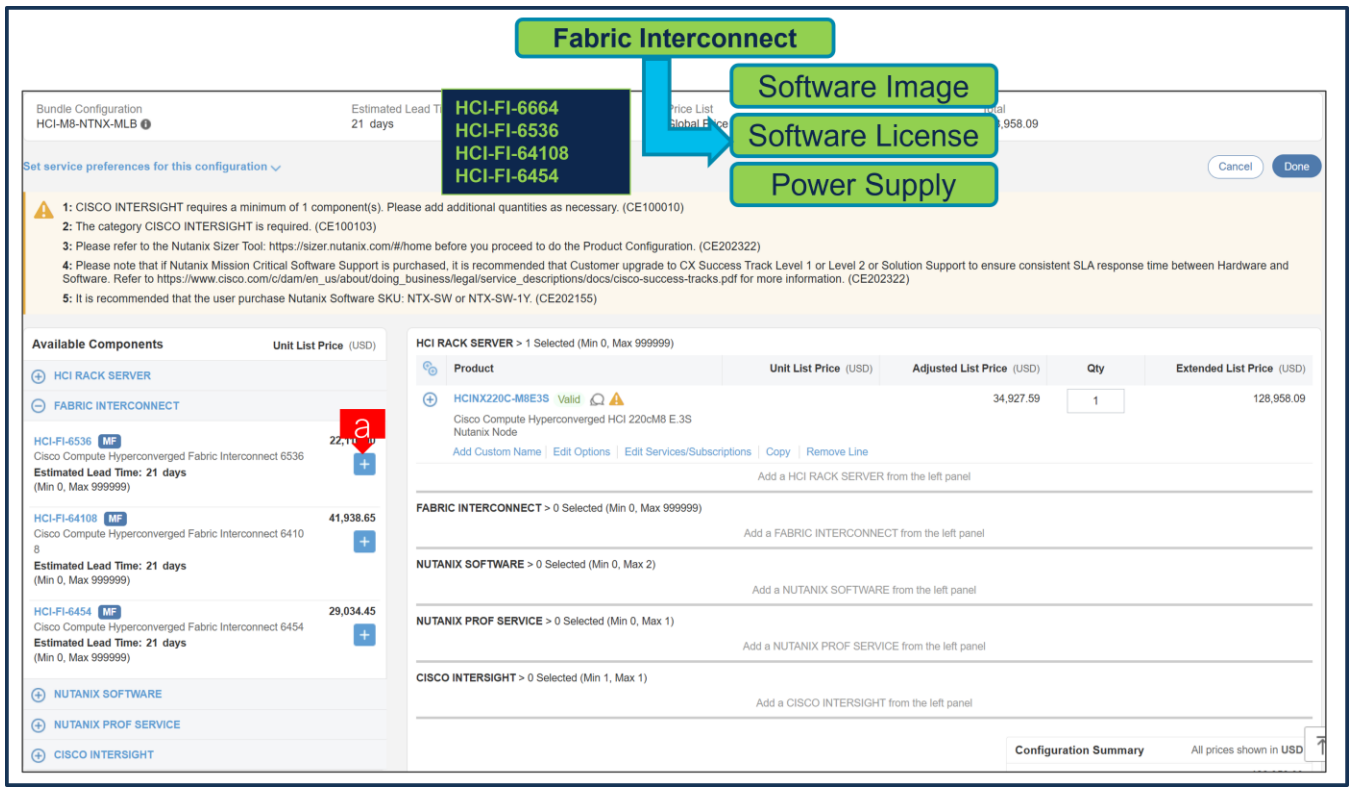
a. Enter the Term Duration

a. Click on “Apply” and “Done”

Note: If Nutanix Mission Critical Software Support is purchased, it is recommended that Customer upgrade to CX Success Track Level 1 or Level 2 or Solution Support to ensure consistent SLA response time between Hardware and Software. Please refer to https://www.cisco.com/c/dam/en_us/about/doing_business/legal/service_descriptions/docs/cisco-success-tracks.pdf for more information.

Step 12.

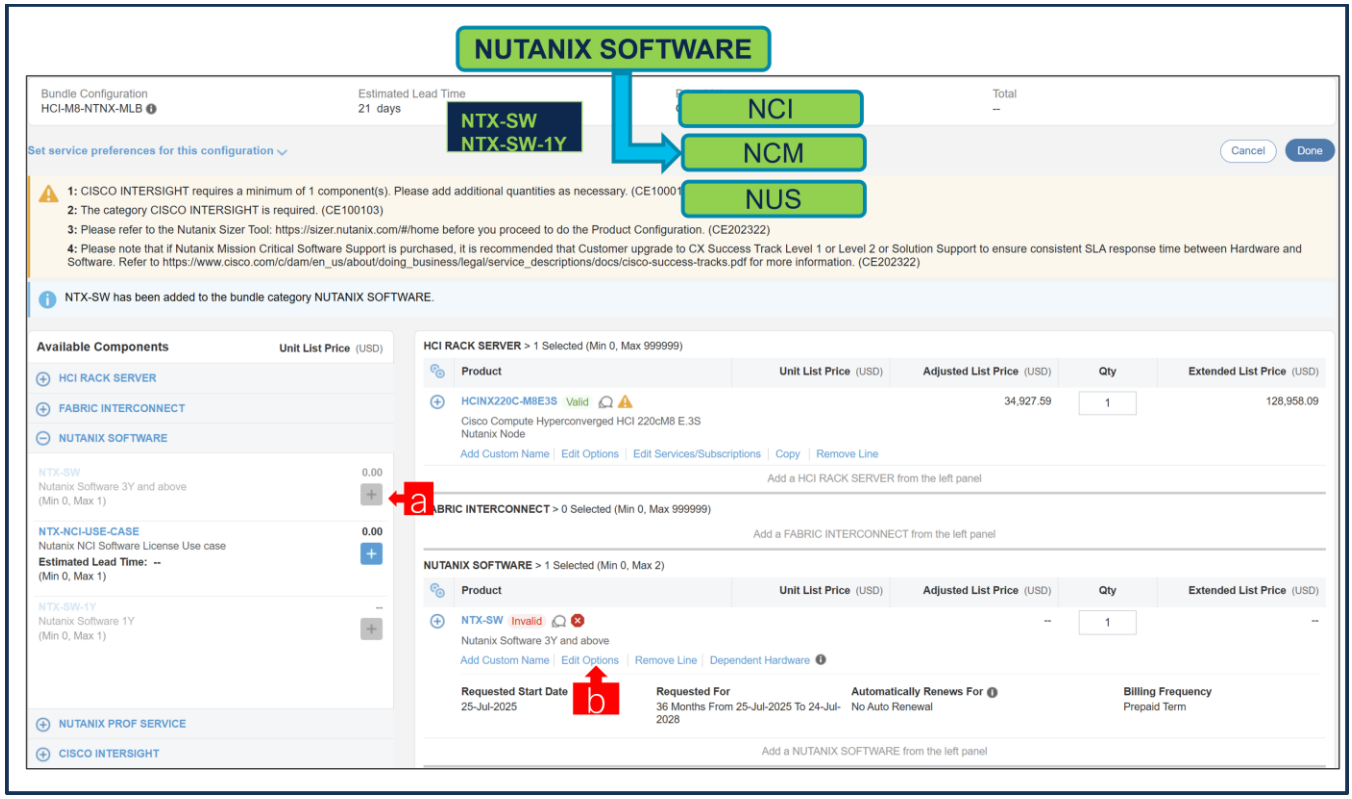
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a. Fabric Interconnect is an optional selection and can be selected by clicking the “PLUS”

Configure the Software Subscription

Step 13.



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a. NTX-SW or NTX-SW-1Y is a required selection. Please make selection by clicking “PLUS”

b. Click on “Edit Options” to configure the product.

Note: Subscription Term for NTX-SW is 36 to 60 Months and for NTX-SW-1Y is 12 Months.

Nutanix Software Product Scope offering in Cisco

Nutanix Cloud Infrastructure (NCI)	NCI is a complete software stack to unify your hybrid cloud infrastructure including compute, storage and network, hypervisors, and containers, in public or enterprise clouds.
Nutanix Cloud Infrastructure Data (NCI-D)	Delivers rich data and storage services but does not include Nutanix compute and networking capabilities. No support for AHV.
Nutanix Cloud Infrastructure Edge (NCI-E)	Provides a Distributed Infrastructure Platform for small Edge Deployments.
End User Computing (EUC)	On-Prem VDI and Desktop as a Service (DaaS) use cases.
Nutanix Cloud Manager (NCM)	NCM offers intelligent operations, self service and orchestration, visibility and governance of spend, security and teams.
Nutanix Cloud Manager Edge (NCM-E)	Provides NCM Capability for Edge Deployments
Nutanix Cloud Manager End User Computing (NCM-U)	Provides NCM Capability in VDI Use Cases
Nutanix Cloud Platform (NCP)	Bundle for NCI and NCM
Nutanix Unified Storage (NUS)	Software-defined data services platform that consolidates the management and protection of siloed block, file, and object storage into a single, unified platform.
Nutanix Enterprise AI (NAI)	Nutanix Enterprise AI provides an easy way to deploy your choice of LLMs from leading LLM providers and create and manage secure APIs.
Nutanix Data Lens (NDL)	SaaS-based cyberstorage solution offering ransomware resilience and global data visibility for unstructured data on Nutanix Unified Storage (NUS).
Nutanix Kubernetes Platform (NKP)	Simplifies platform engineering by reducing operational complexity and establishes consistency across any environment.

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NUTANIX CLOUD INFRASTRUCTURE (NCI)



License Tiers:

- STR (Starter)
- PRO (Professional)
- ULT (Ultimate)

Support Tiers:

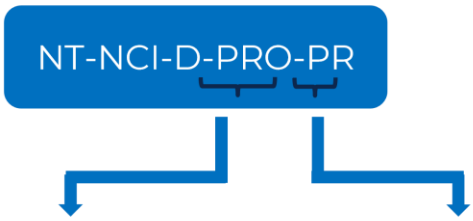
- PR (Production)
- MC (Mission Critical)
- AP (ASP Production)
- AM (ASP Mission Critical)
- FP (US Federal Production)
- FM (US Federal Mission Critical)

Available Feature Add-Ons:

- Security
  SKU: **NT-A-NCI-SEC-PR**
- Advanced Replication
  SKU: **NT-A-NCI-ADR-PR**

Feature Add-on license can only be added to NCI PRO tier licenses

NUTANIX CLOUD INFRASTRUCTURE DATA (NCI-D)



License Tiers:

- STR (Starter)
- PRO (Professional)
- ULT (Ultimate)

Support Tiers:

- PR (Production)
- MC (Mission Critical)
- AP (ASP Production)
- AM (ASP Mission Critical)
- FP (US Federal Production)
- FM (US Federal Mission Critical)

Available Feature Add-Ons:

- Security
  SKU: **NT-A-NCI-D-SEC-PR**
- Advanced Replication
  SKU: **NT-A-NCI-D-ADR-PR**

Feature Add-on license can only be added to NCI PRO tier licenses

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NUTANIX CLOUD INFRASTRUCTURE EDGE (NCI-E)



License Tiers:

- STR (Starter)
- PRO (Professional)
- ULT (Ultimate)

Support Tiers:

- PR (Production)
- MC (Mission Critical)
- AP (ASP Production)
- AM (ASP Mission Critical)
- FP (US Federal Production)
- FM (US Federal Mission Critical)

- ***1 TiB of NUS Pro per NCI-Edge cluster is included at no cost with NCI-Edge.***
- ***NCI-Edge licenses must run on a dedicated licensed cluster with no core-based licensing. Mixing of NCI-Edge licenses with other types of NCI licensing within a cluster is not supported.***
- ***NCI-Edge is limited to a maximum of 25 VMs in a cluster, with each VM being limited to a maximum of 96GB of memory.***

Metric - VMs

END USER COMPUTING (EUC)



License Tier:

- STR (Starter)
- PRO (Professional)
- ULT (Ultimate)

Support Tier:

- PR (Production)
- MC (Mission Critical)
- AP (ASP Production)
- AM (ASP Mission Critical)
- FP (US Federal Production)
- FM (US Federal Mission Critical)

- ***All users on EUC cluster must be licensed***
- ***There are no add-ons on top of Pro license for EUC. If add-ons required, use EUC Ultimate.***

Note:

- ***Meter = Users***

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NUTANIX CLOUD MANAGER (NCM)



License Tiers:

- STR (Starter)
- PRO (Professional)
- ULT (Ultimate)

Support Tiers:

- PR (Production)
- MC (Mission Critical)
- AP (ASP Production)
- AM (ASP Mission Critical)
- FP (US Federal Production)
- FM (US Federal Mission Critical)

Available Feature Add-Ons:

- Self-Service & Orchestration
  SKU: **NT-NCM-SS-PR**
- Security Central
  SKU: **NT-NCM-SC-PR**
- Cost Governance
  SKU: **NT-NCM-CM-PR**

These add-ons give access to respective feature sets for the public cloud

Note:

- Meter = VM (Virtual Machine)
- Subscription is created on My Nitrogen portal for each product

NUTANIX CLOUD MANAGER EDGE (NME)



License Tiers:

- STR (Starter)
- PRO (Professional)
- ULT (Ultimate)

Support Tiers:

- PR (Production)
- MC (Mission Critical)
- AP (ASP Production)
- AM (ASP Mission Critical)
- FP (US Federal Production)
- FM (US Federal Mission Critical)

- ***NCM EDGE License are metered per VM and to be used only for NCI-EDGE clusters.***
- ***To apply such Licenses, customers need minimum PC 2024.2***
- ***Edge Cluster maximums are:***
  - ***25 VMs per cluster***
  - ***Memory maximum is 96GB (per VM)***
  - ***Maximum no. of nodes not to exceed 5***

Metric - VMs

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NUTANIX CLOUD MANAGER EUC (NCM-U)



License Tiers:

- STR (Starter)
- PRO (Professional)
- ULT (Ultimate)

Support Tiers:

- PR (Production)
- MC (Mission Critical)
- AP (ASP Production)
- AM (ASP Mission Critical)
- FP (US Federal Production)
- FM (US Federal Mission Critical)

- ***NCM EUC License are metered per user and to be used only for NCI-EUC clusters.***
- ***To apply such Licenses, customers need minimum PC 2024.2***

Metric - User

NCP (NUTANIX Cloud Platform) Bundle



License Tier:

- STR (Starter)
- PRO (Professional)
- ULT (Ultimate)

Support Tier:

- PR (Production)
- MC (Mission Critical)
- AP (ASP Production)
- AM (ASP Mission Critical)
- FP (US Federal Production)
- FM (US Federal Mission Critical)

Product Tier	Offering Combination
NCP ULT	NCI ULT + NCM ULT
NCP PRO	NCI ULT + NCM PRO
NCP STR	NCI PRO + NCM PRO

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NCP Quoting and Licensing rules

Quoting Rules

- NCP has three bundled offerings, and each bundle has fixed NCI and NCM license tiers.
- Meter is 'Core'. Same for both NCI and NCM constituent products.
- Quantity, Term, Discount offered to be selected at the top-level 'parent' SKU, and all the 'children' components inherit.
- Both the NCI and NCM components display their Quantity.
- Top-level SKU should display Unit List Price, Discount, Total List Price, Quantity and Total Net Price

Licensing Rules

- The constituent NCI and NCM licenses are applied individually.
- NCI add-ons can be quoted if required for the NCI license in the bundle.
- NCM add-ons can be quoted for the NCM license in the bundle.

NUTANIX UNIFIED STORAGE (NUS) & NUTANIX DATA LENS (NDL)

NT-NUS-PRO-PR

License Tier:

- PRO (Professional)

Support Tier:

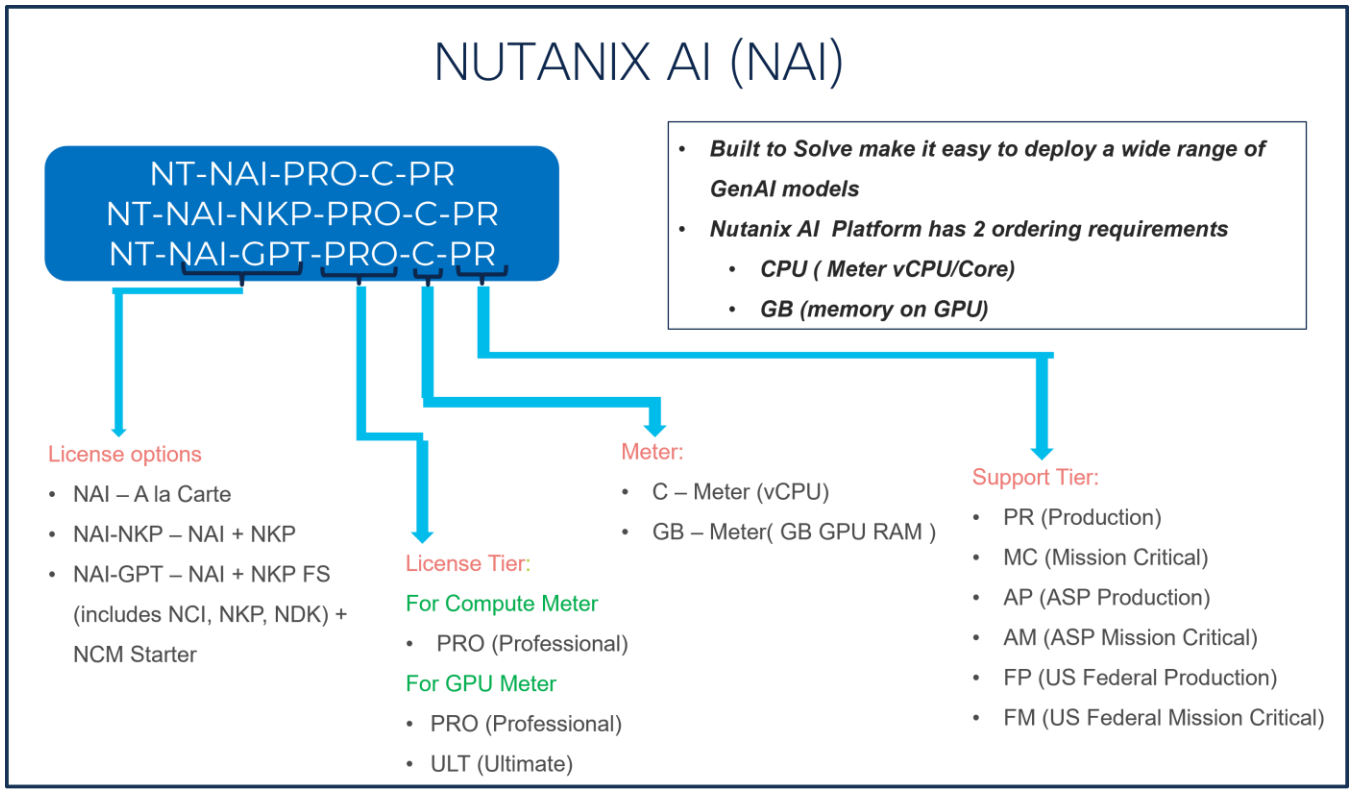
- PR (Production)
- MC (Mission Critical)
- AP (ASP Production)
- AM (ASP Mission Critical)
- FP (US Federal Production)
- FM (US Federal Mission Critical)

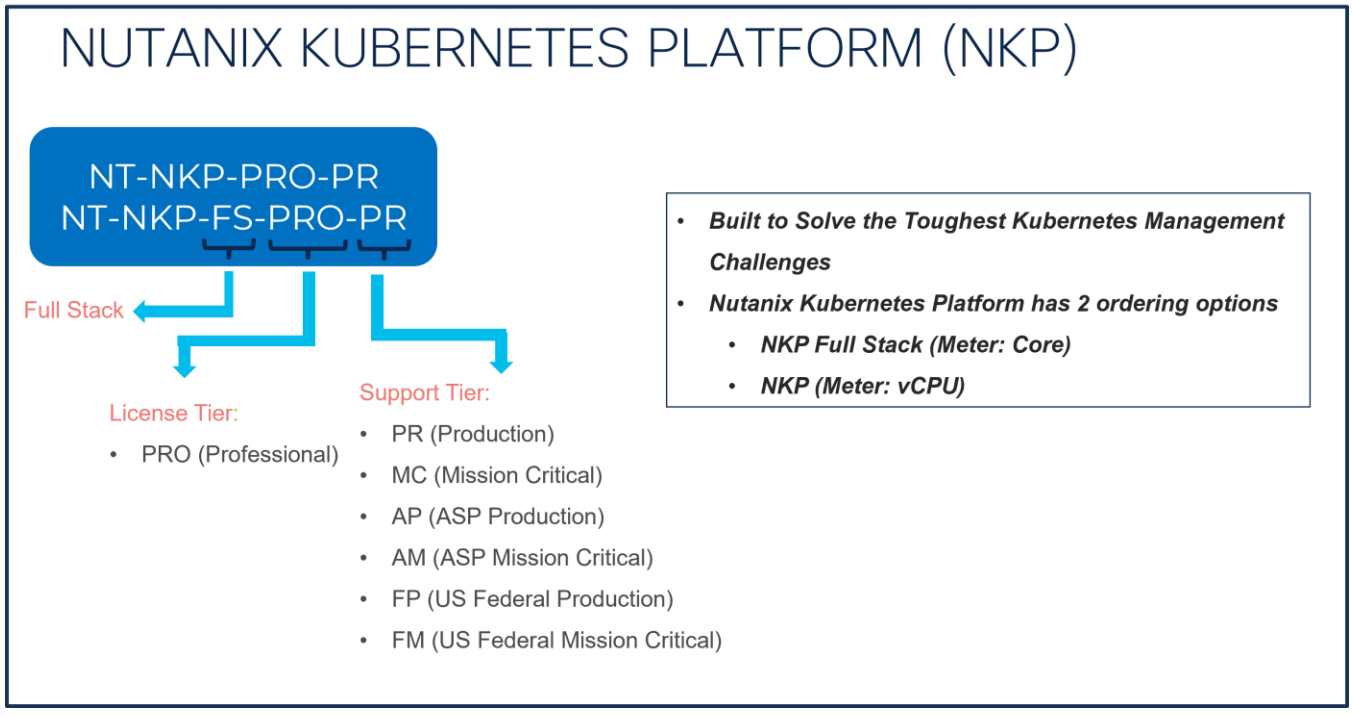
NT-NDL-PR/FP

- ***Available Feature Add-Ons:***
- ***Security***
  - ***SKU: NT-A-NUS-SEC-PR***
- ***Advanced Replication***
  - ***SKU: NT-A-NUS-ADR-PR***
- ***Feature Add-on license can only be added to NCI PRO tier licenses***
- ***Note:***
  - ***Meter = Used TiB***
  - ***Tiered pricing***

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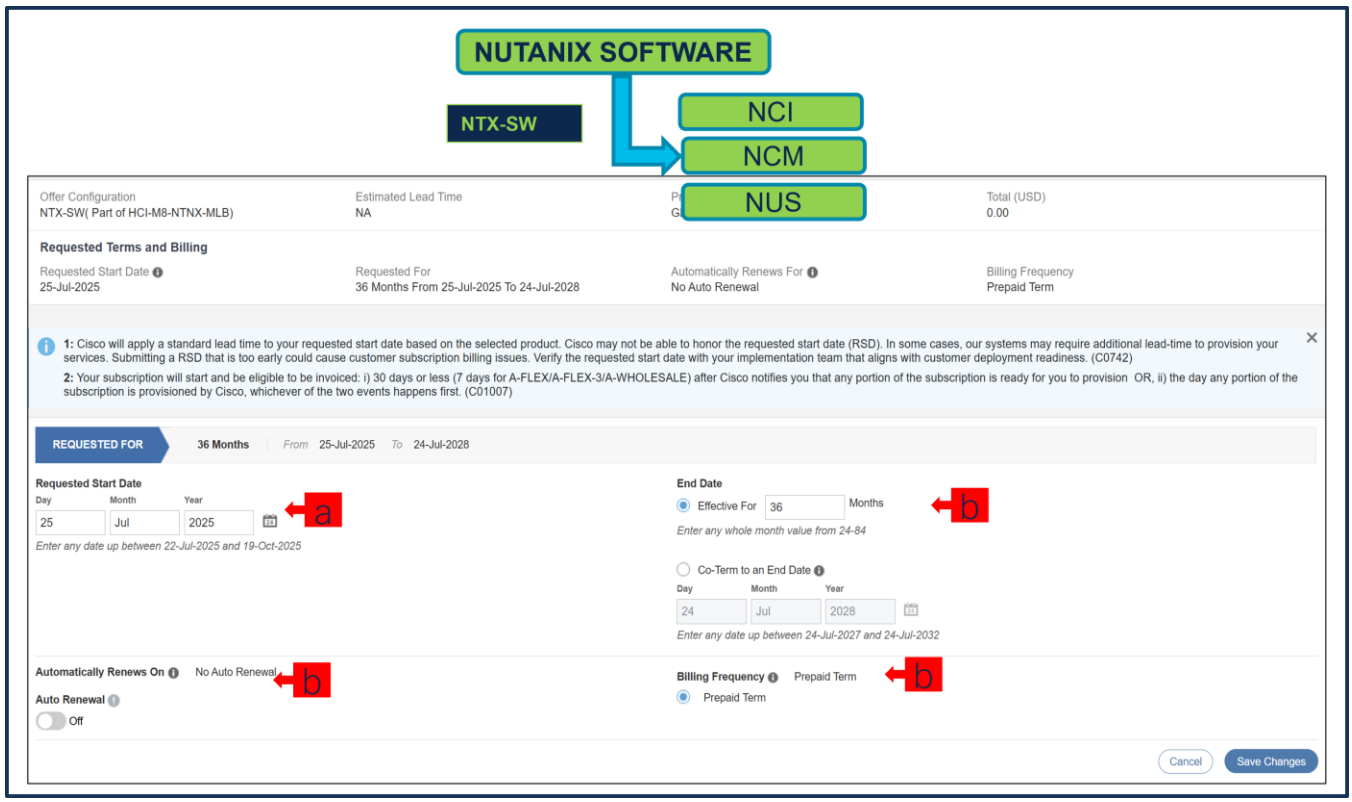
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Step 14.

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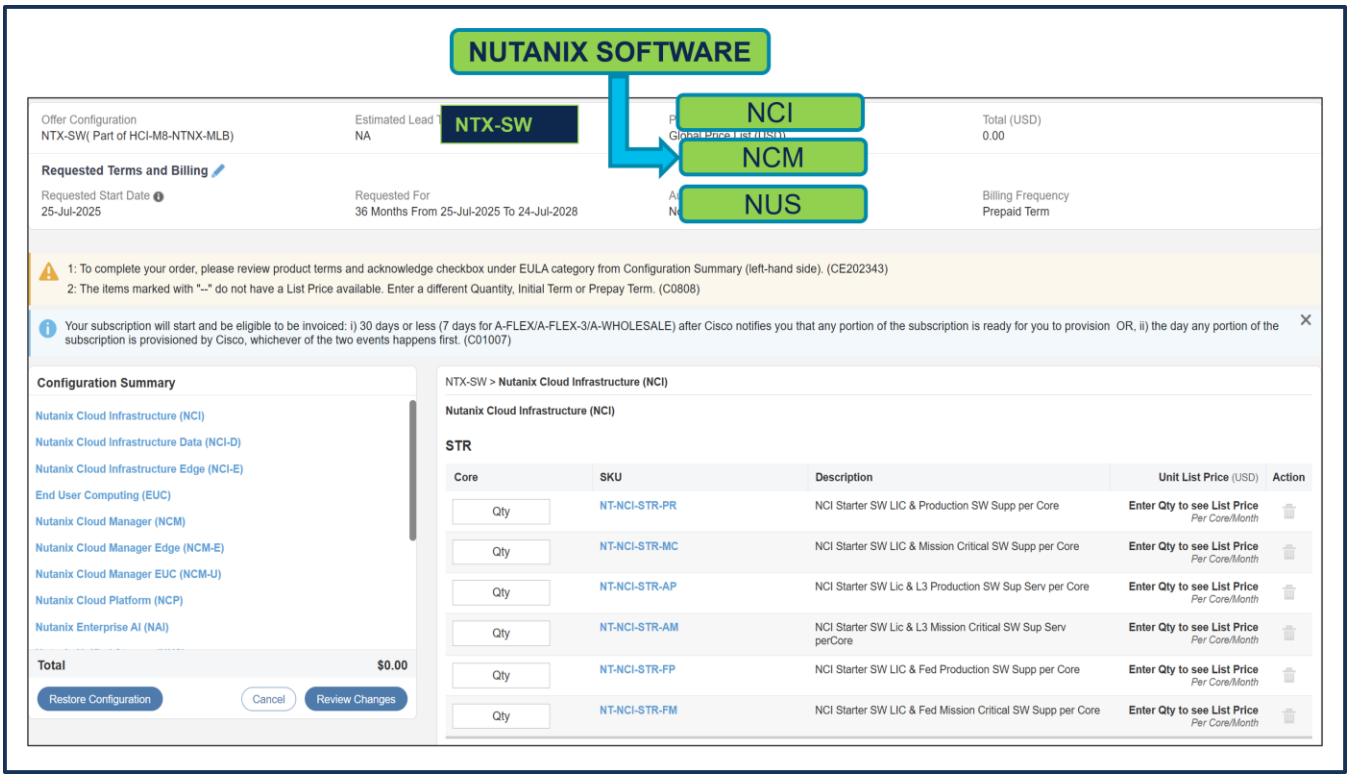


a. **Requested Start Date (RSD)** is now dependent on HW Ship Date and will automatically starts when the HW ships. If you change the **RSD**, the Software will start either on the **RSD** you picked or the HW Ship Date whichever is later.

b. **End Date** (duration in months) is defaulted to **36 Months, Auto Renewal (on/off)** is defaulted to **Off** and **Billing Frequency** is defaulted to **Prepaid Term**. You can still change the setting accordingly.

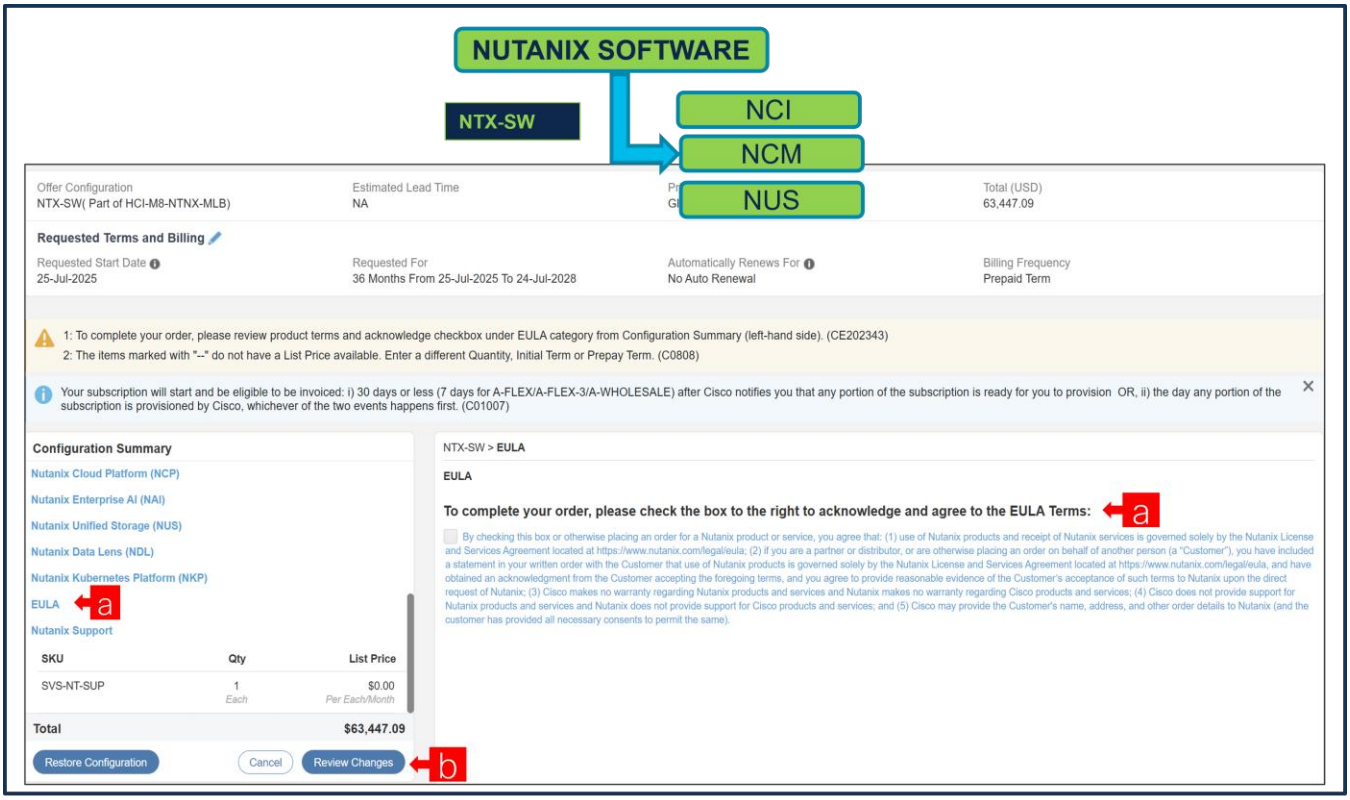
Step 15.

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a. The Quantity of NCI or NCI-D or NCM or (NCI and NCM under NCP) or NKP FS License must match with the QTY of Processor Core selected under Servers. The Quantity of NCI-E, NCM-E, EUC, NCM-U, NAI, NKP, NUS and NDL License can be selected per recommended system requirement.

Step 16.

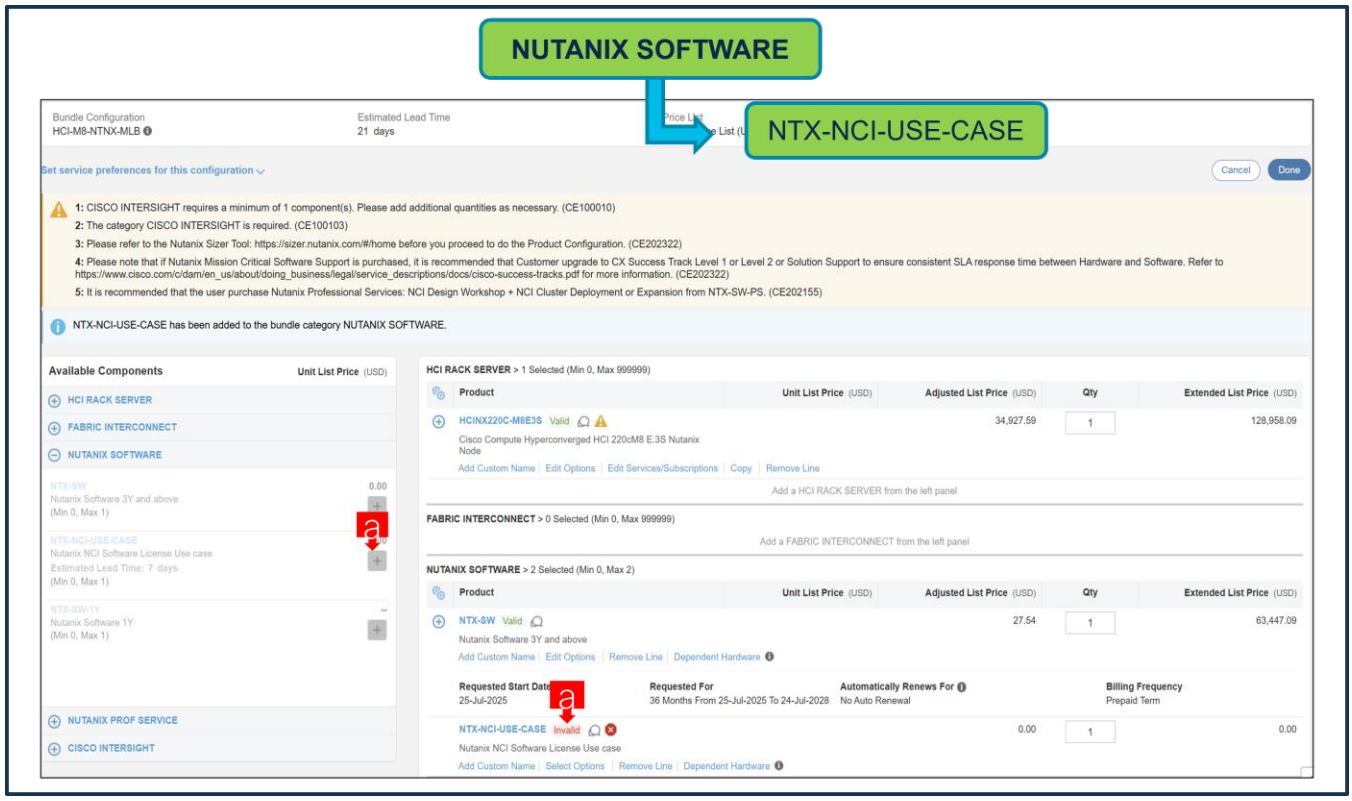


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a. To complete the order, please check the box to the right to acknowledge and agree to the EULA Terms

b. Click on “Review Changes” and “Done”

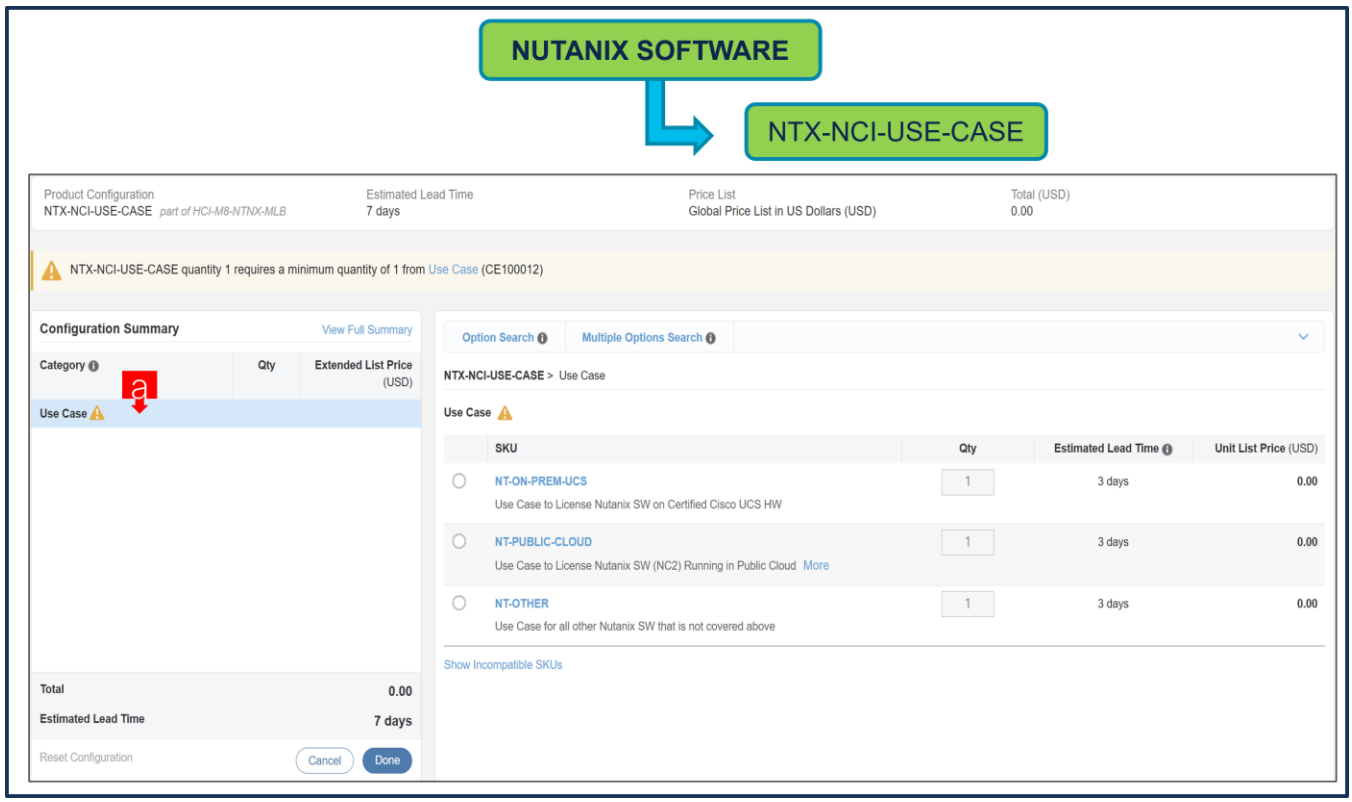
Step 17.



a. NTX-NCI-USE-CASE needs to be selected when NCI/NCI-D/ NCI-E License are selected under Nutanix Software ATO.

Step 18.

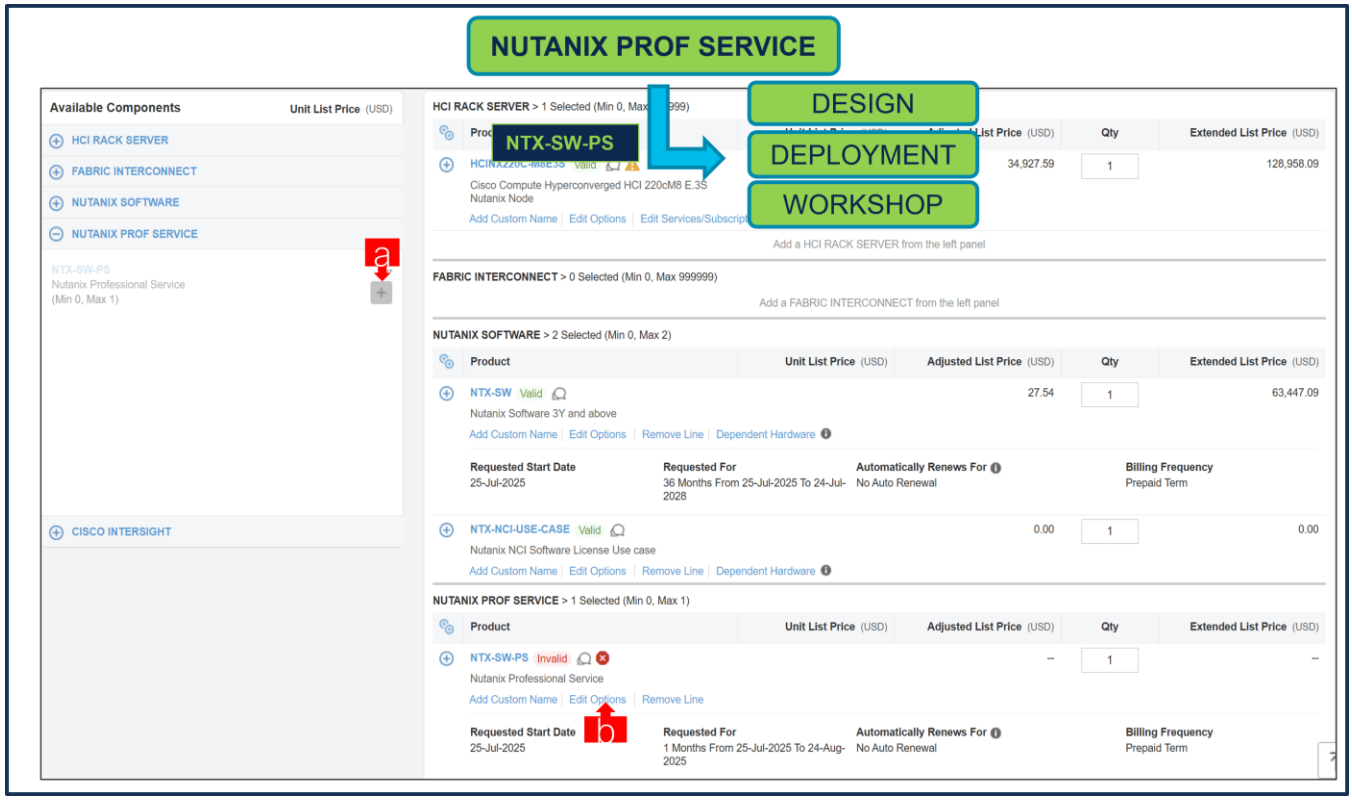
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a. Please select appropriate Use Case.

Nutanix Professional Services SKU

Step 19.



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a. It is recommended that User Purchase NTX-SW-PS. Please make selection by clicking “PLUS”

b. Click on Edit Options to configure the Product.

Note: Nutanix Professional Service is mandatory for NCI, NCM and NCP License under NTX-SW-1Y or when NCM PRO or NCM ULT License is selected under NTX-SW, its recommended.

Nutanix Professional Services SKU

- Each professional SKU is 1-Year Term.
- The professional services needs to consumed within 1-Year period

Product	Stage	Professional Services Offerings
NCI	Design	NCI Design Workshop
	Deploy	NCI Cluster Deployment or Expansion
	Migrate	Virtual Machine Migration Workshop
	Migrate	Virtual Machine Migration
NCM	Design	NCM Intelligent Operations Design Workshop
	Design	NCM Self-Service Design Workshop
	Deploy	NCM Intelligent Operations Deployment
	Deploy	FastTrack for NCM Self-Service
	Deploy	FastTrack for NCM Cost Governance

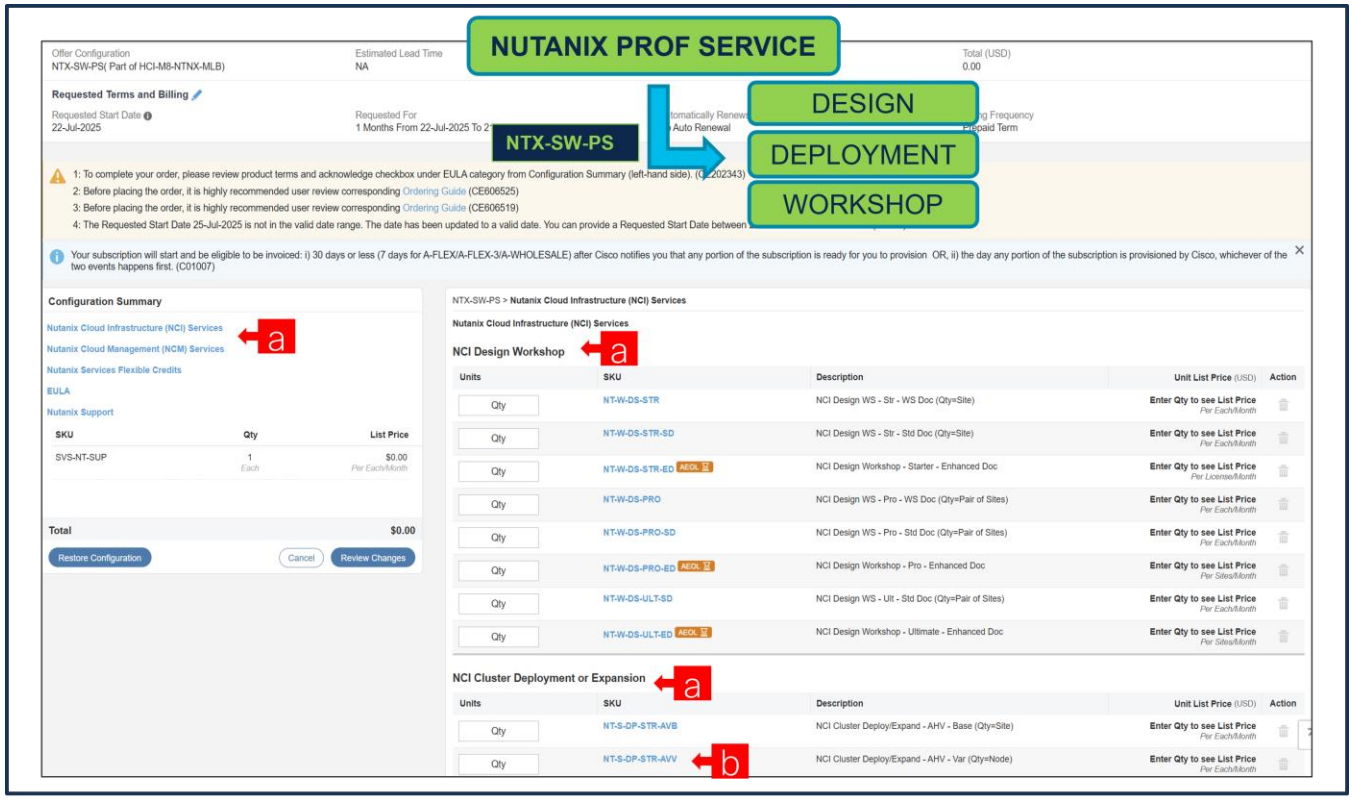
Nutanix Professional Service (PS) ordering rules

1. **1- year Terms**: Mandatory professional services attach for NCI, NCM and NCP.
   - Select NCI Design Workshop + NCI Cluster Deployment or Expansion for NCI
   - Select NCM Intelligent Operations Design + NCM Intelligent Operations Deployment for NCM
   - PS Tiers match (or greater) the software license Tier is recommended.
2. **3- year & above Terms**: Mandatory professional services attach for NCM Pro and NCM Ultimate only
   - Select NCM Intelligent Operations Design + NCM Intelligent Operations Deployment
   - PS Tiers match (or greater) the software license Tier is recommended
   - PS for NCI License is recommended
3. **Exceptions on (1) and (2)**
   - Existing Nutanix customers
   - Cisco Partners who are Nutanix authorized partners offering their own professional services SKUs
4. Any expand opportunity should not require mandatory services.

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Step 20.

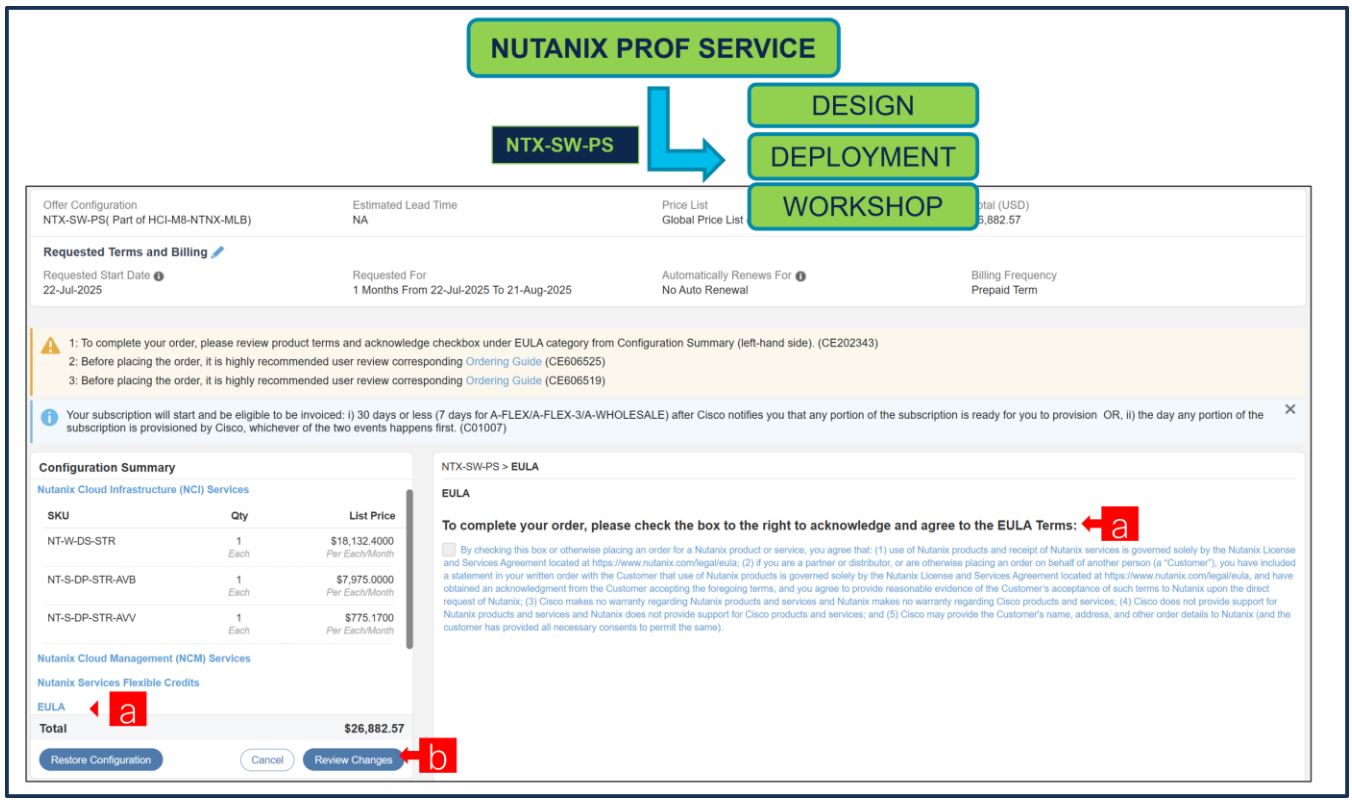


a. We have NCI License selected under NTX-SW and hence, it is recommended that we select Nutanix Professional Services: NCI Design Workshop + NCI Cluster Deployment or Expansion SKUs

b. QTY of NCI Cluster Deployment or Expansion Variable SKU must match Server QTY.

Step 21.

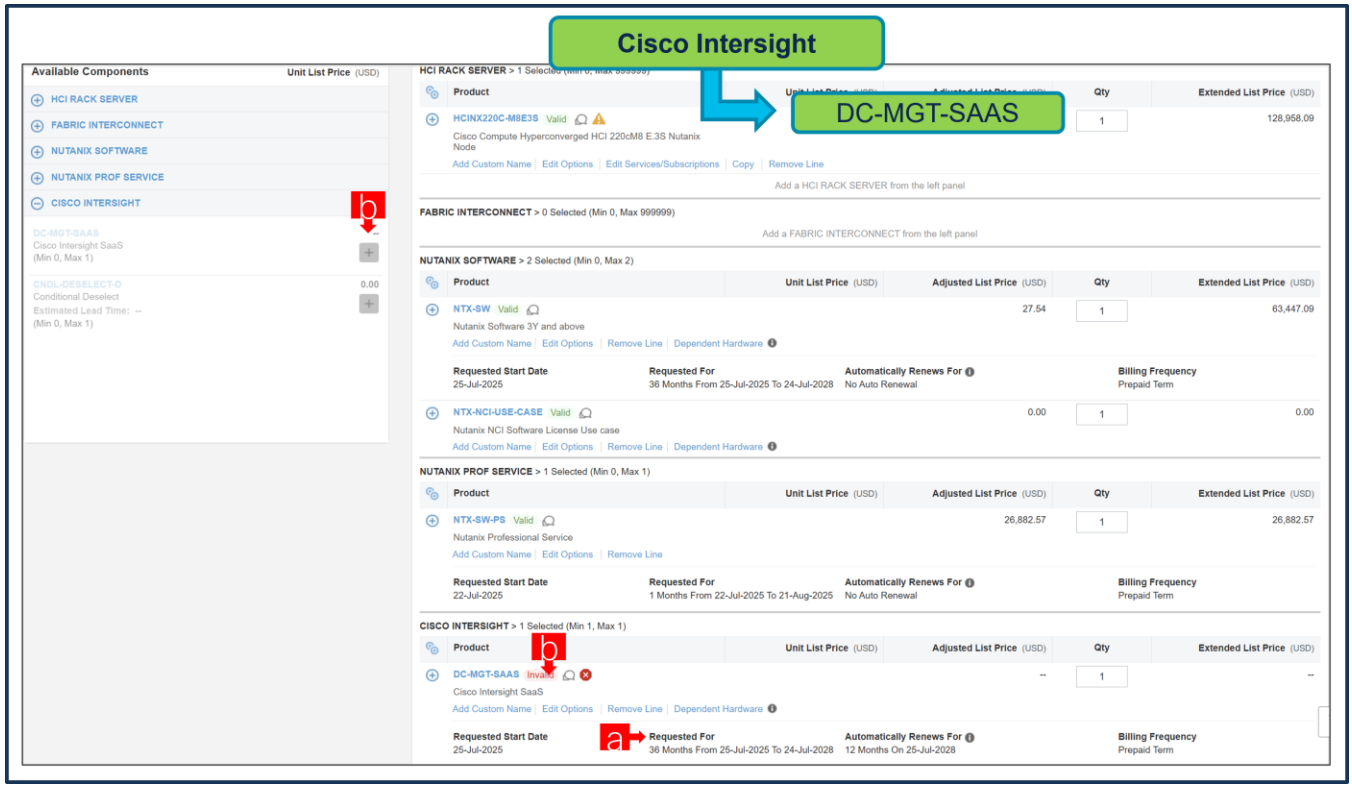
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a. To complete the order, please check the box to the right to acknowledge and agree to the EULA Terms

a. Click on “Review Changes” and “Done”

Step 22.

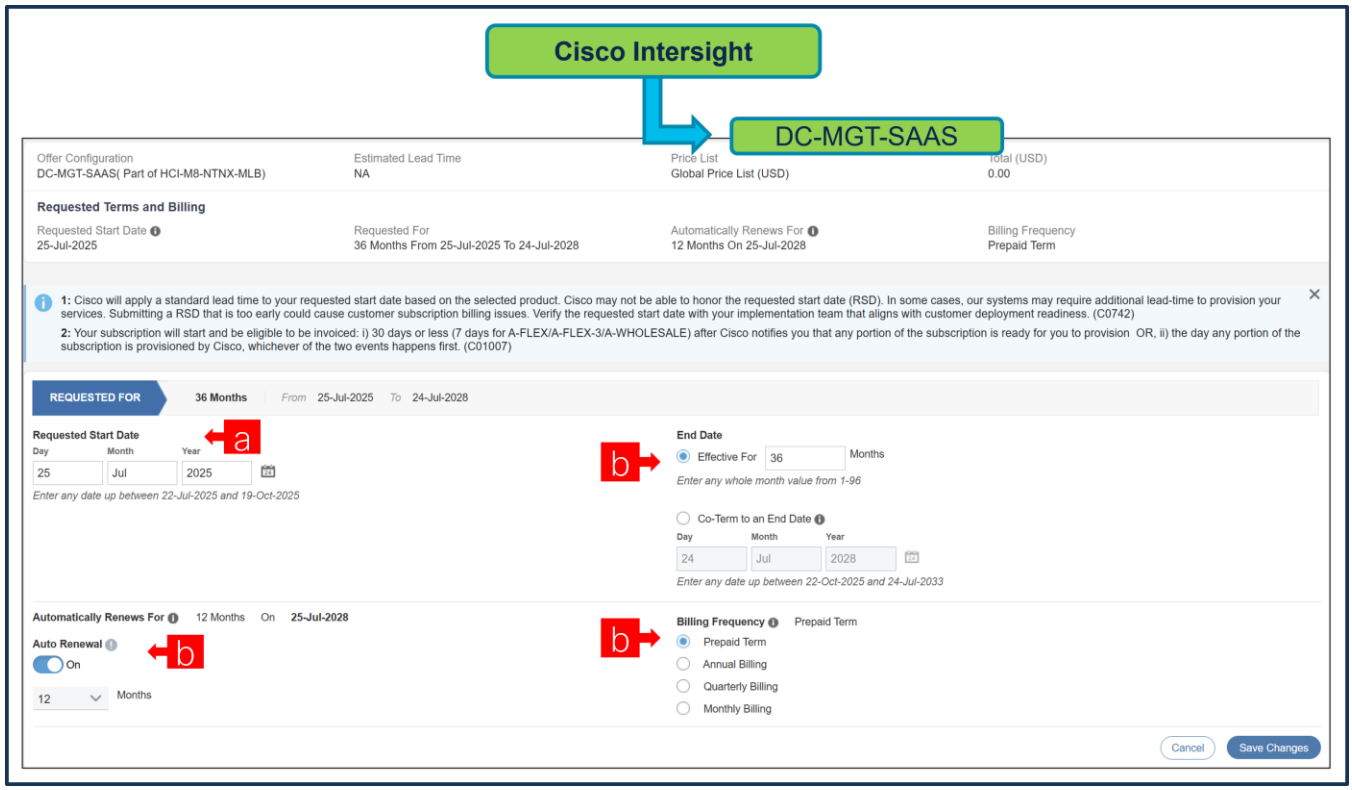


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a. It is recommended that Term Duration for HW Support align with Software Subscription Duration.

b. Intersight is a required selection, if you have not previously purchased Cisco Intersight Software. Please make selection by clicking “PLUS” and click on “Edit Options” to configure.

Step 23.

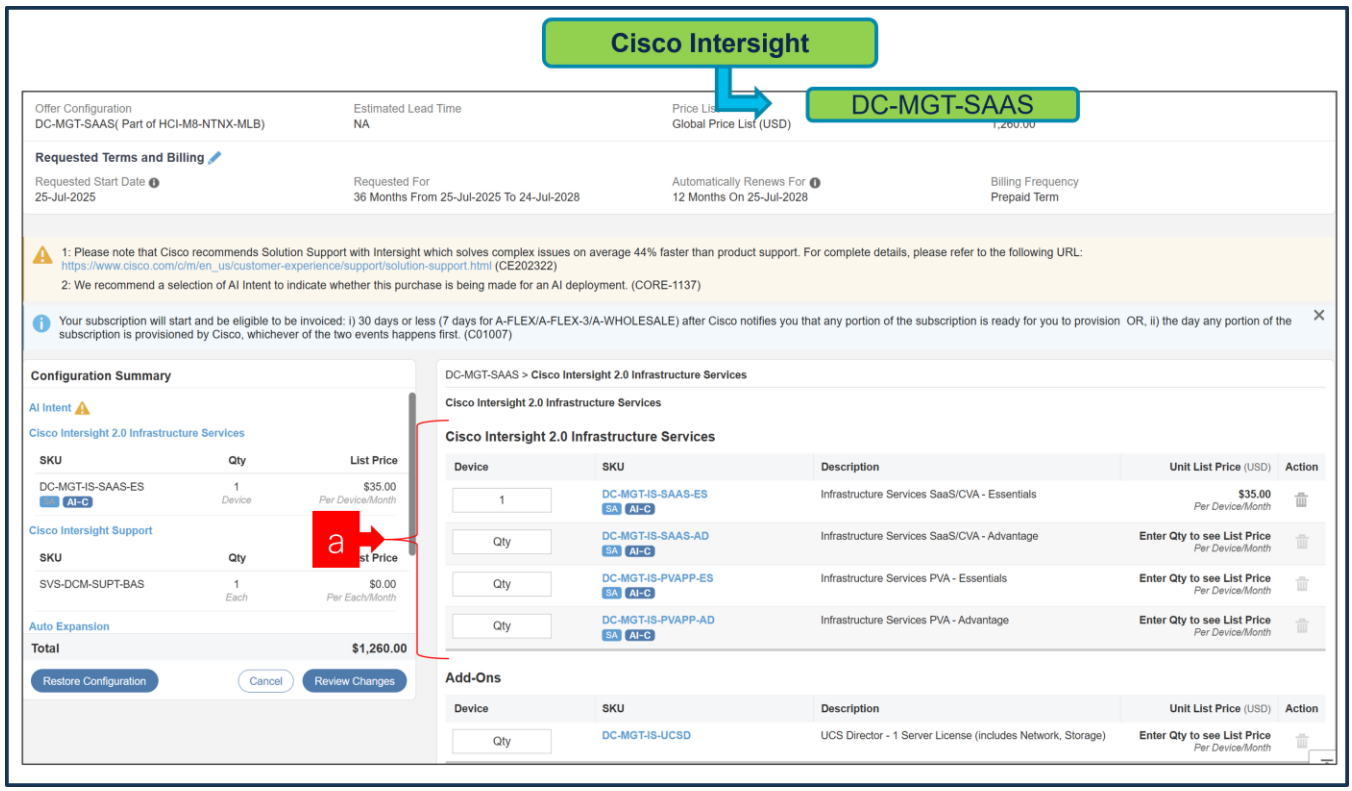


a. **Requested Start Date (RSD)** is now dependent on HW Ship Date and will automatically starts when the HW ships. If you change the **RSD**, the Software will start either on the **RSD** you picked or the HW Ship Date whichever is later.

b. **End Date** (duration in months) is defaulted to **36 Months, Auto Renewal (on/off)** is defaulted to **Off** and Billing Frequency is defaulted to **Prepaid Term**. You can still change the setting accordingly.

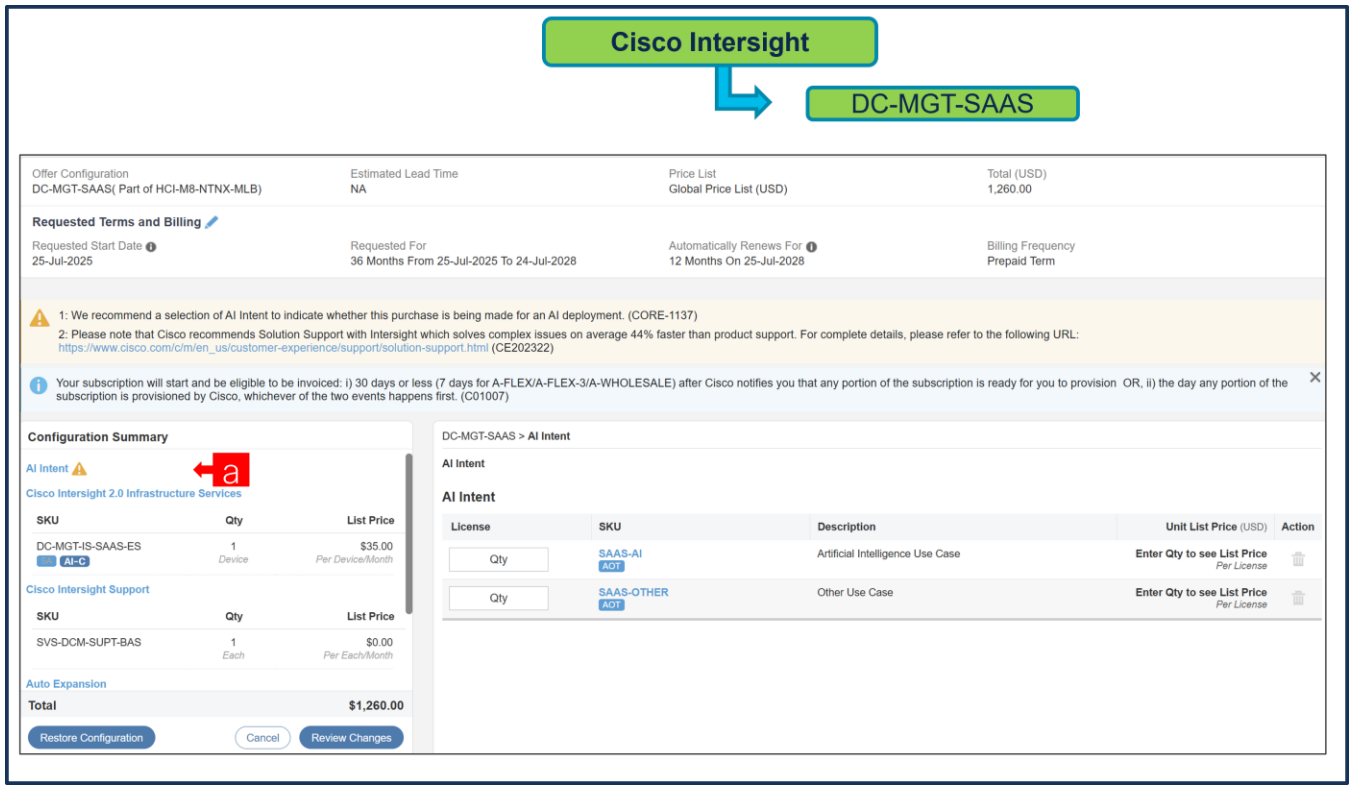
Step 24.

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a. The quantity of Cisco Intersight 2.0 Infrastructure Services License under Offer: DC-MGT-SAAS should be equal to the quantity of Server selected. Enter the quantity.

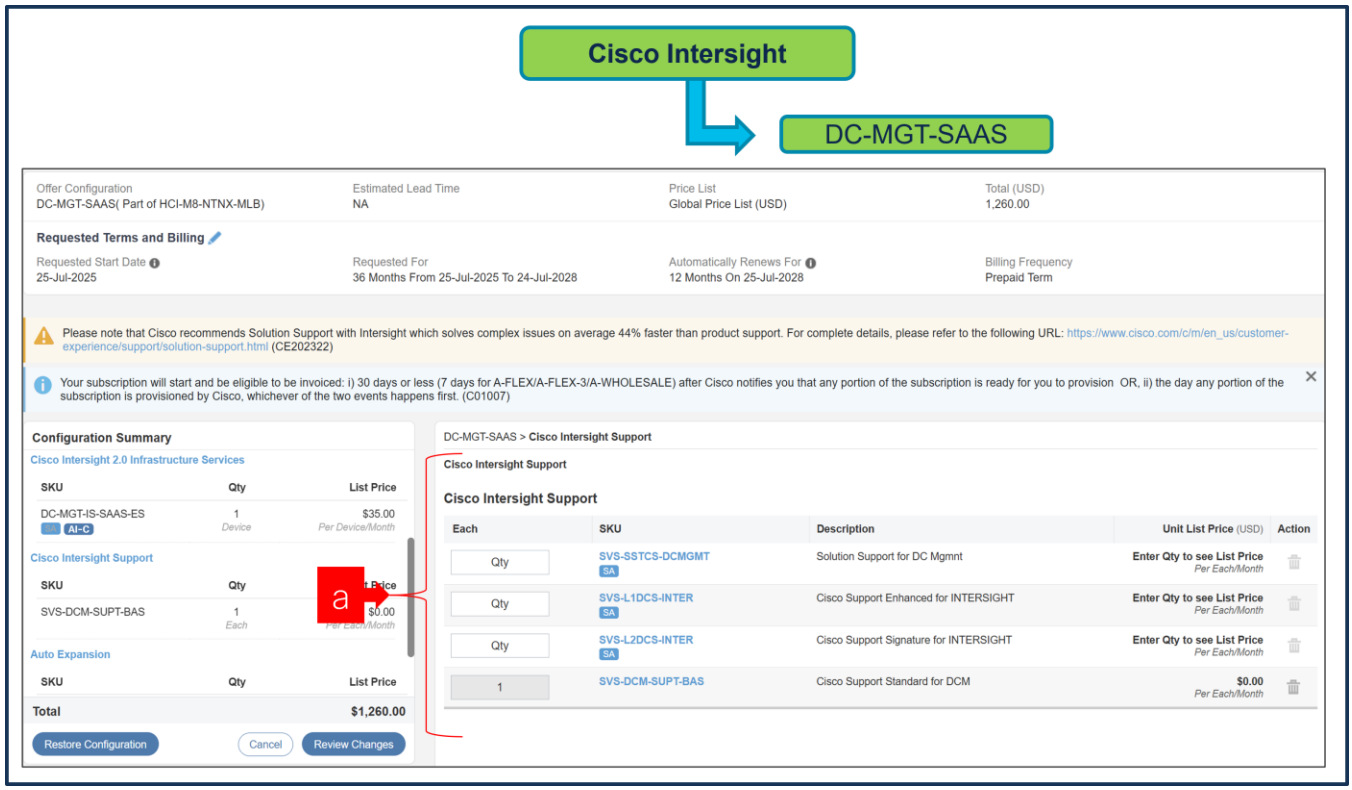
Step 25.



a. Users need to make selection from AI Intent Option Class.

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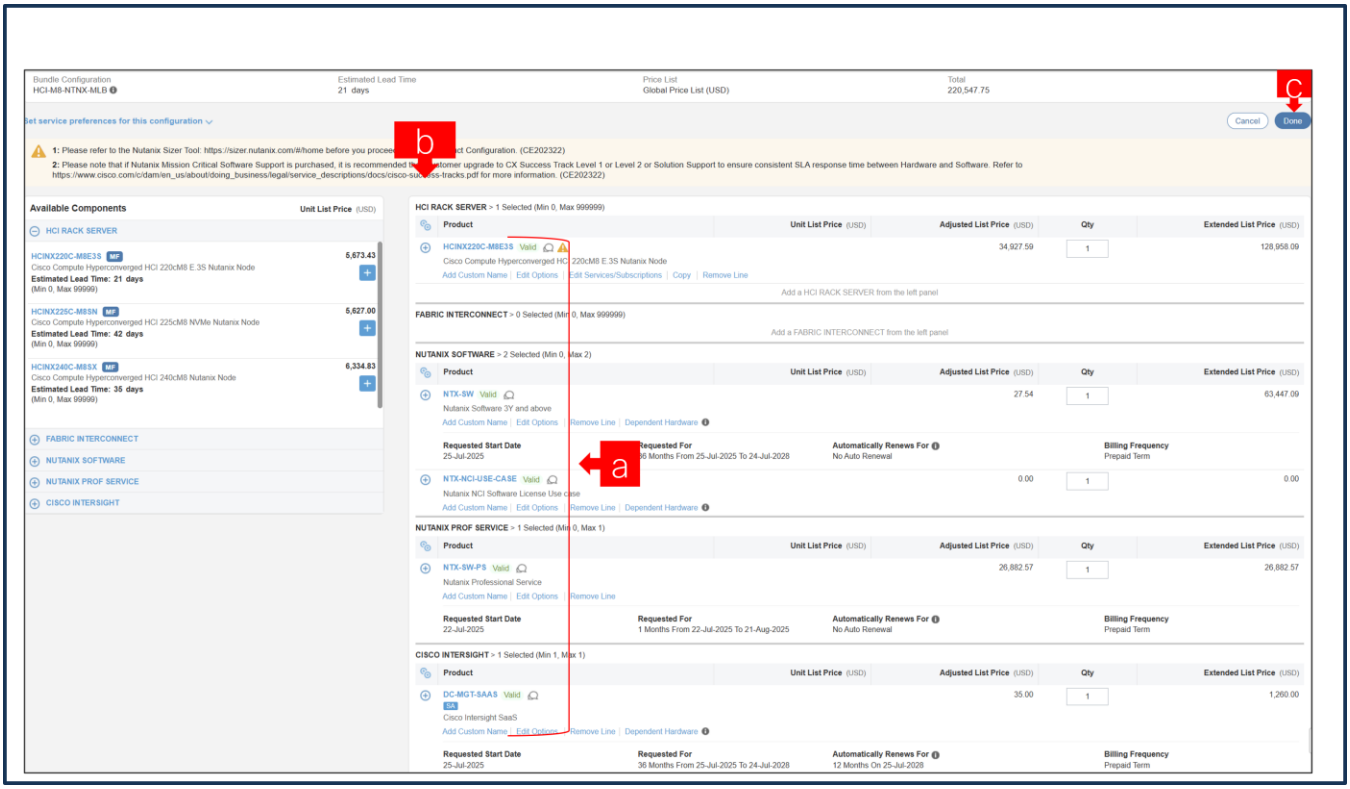
Step 26.



a. The Cisco Intersight License comes with separate Support. Basic Embedded Support is the default selection. Customer may upgrade to Solution Support, CX Success Track L1 and L2 (supported only with SAAS) if needed.

Step 27.

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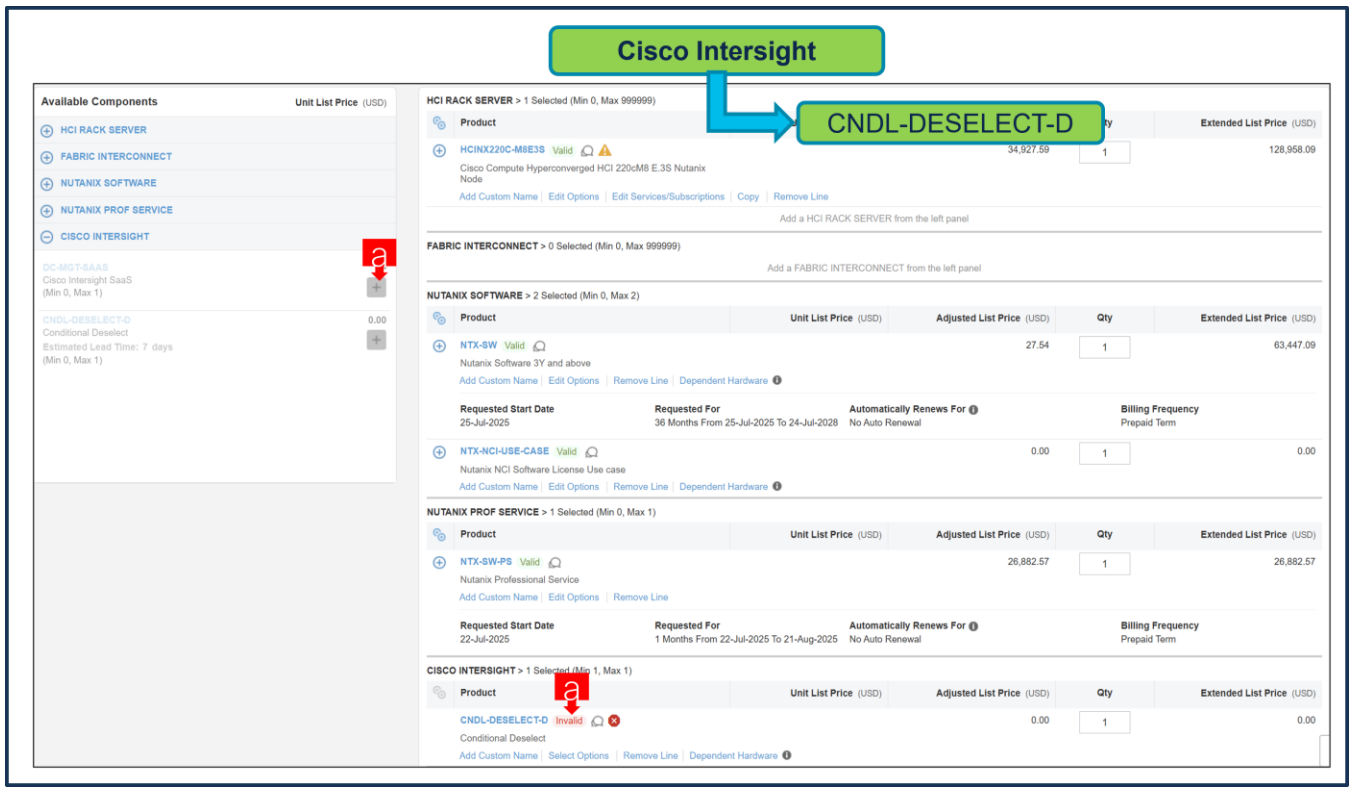
a. Configuration for MLB is completed when status of each Product is Valid, and warning messages are cleared.

b. Click on the “PLUS” to expand and view the selections made for each Product.

c. Click on “Done” to complete MLB configuration.

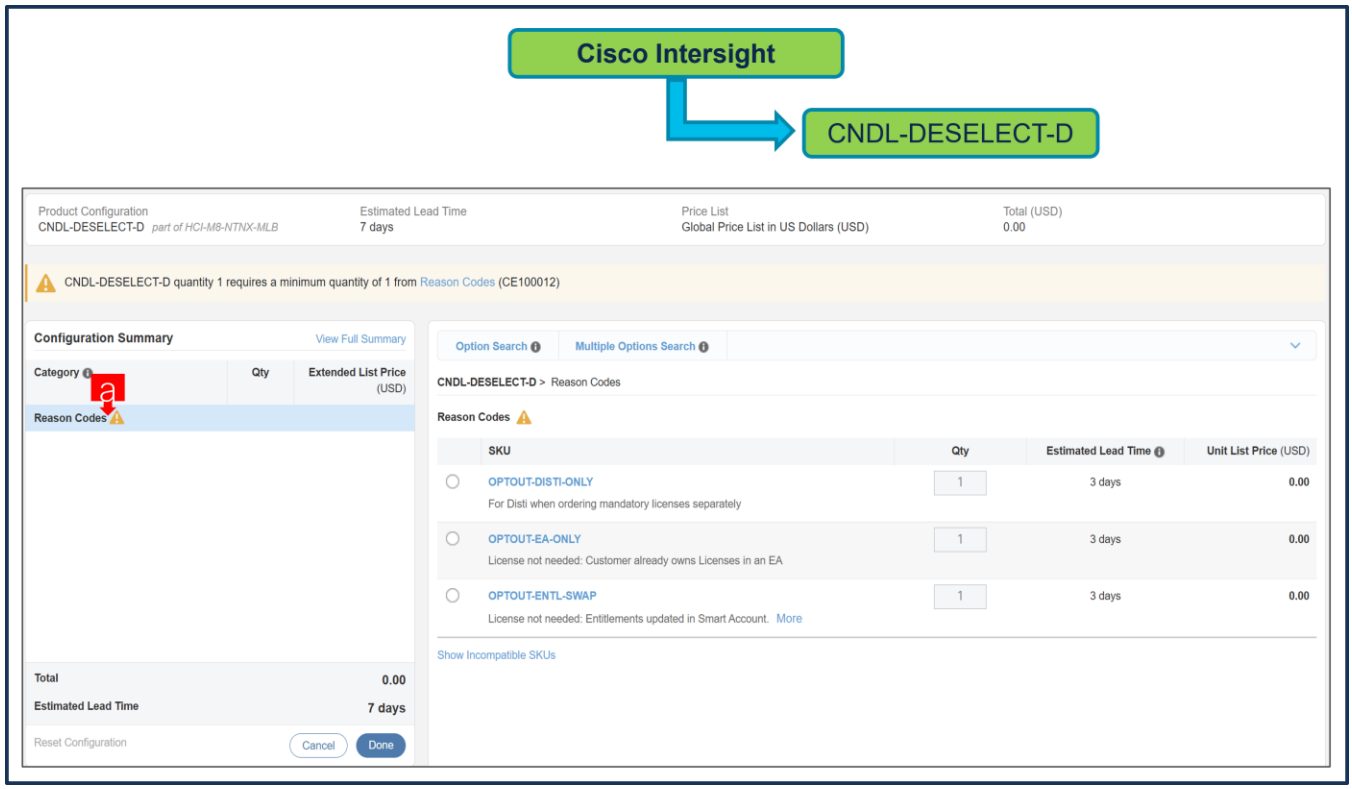
Step 28.

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a. CNDL-DESELECT-D is meant to select only if Customer has already purchased Cisco Intersight License via EA Contract or order is for Disti Fulfillment.

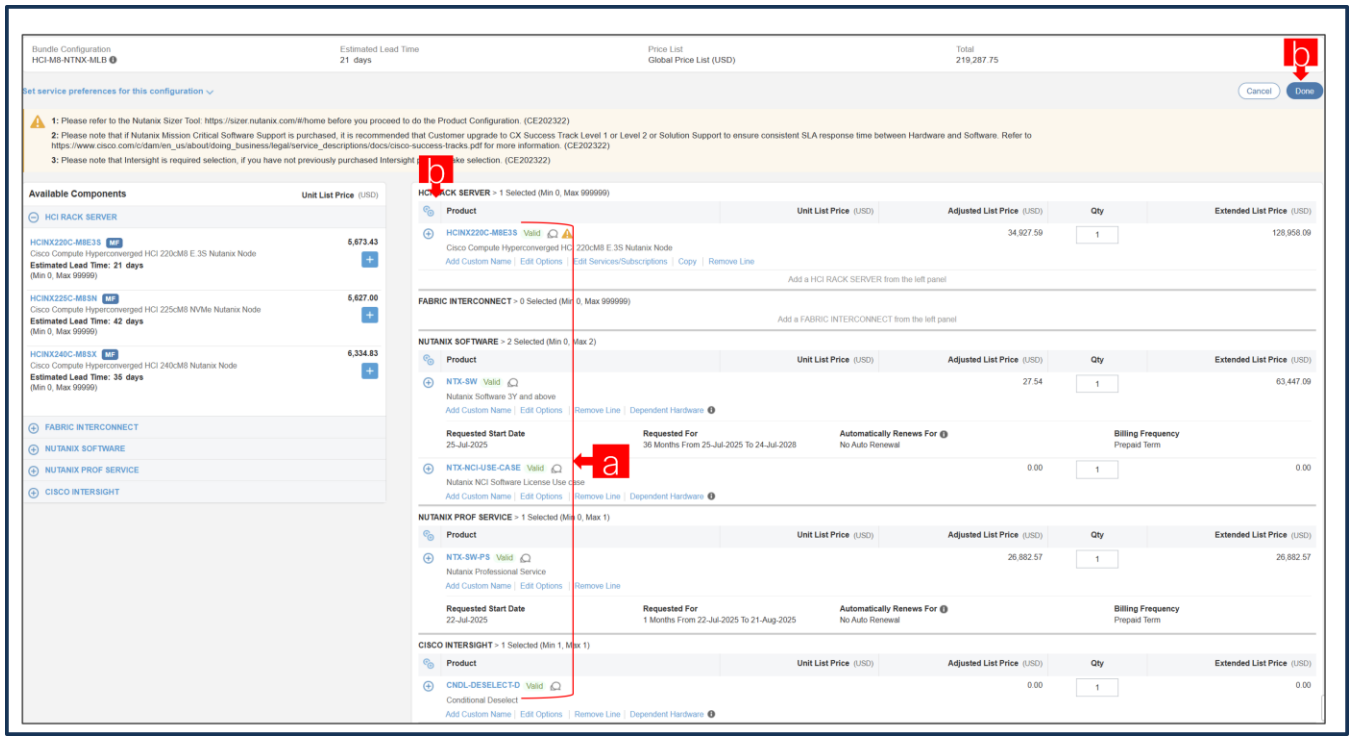
Step 29.



a. Please select appropriate Reason Code

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Step 30.



a. Configuration for MLB is completed when status of each Product is Valid and warning messages are cleared.

b. Click on the “PLUS” to expand and view the selections made for each Product.

c. Click on “Done” to complete MLB configuration.

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