

Data Center Solution Configurator Overview & Beginners Guide

The Lenovo logo is a red vertical rectangle with the word "Lenovo" written in white, oriented vertically from bottom to top.

Lenovo

Nov 2022 | Version 3.10

Topics [1/2]

- [Data Center Solution Configurator Overview](#)

- Data Center Solution Configurator (DCSC)
- DCSC Online

- [Auto Data Driven & Supply Chain](#)

- Supply Status Overview

- [DCSC Beginners Guide](#)

- DCSC Homepage
- DCSC Product / Catalog View
- DCSC Customize View
- DCSC Summary Screen
- DCSC Services Catalog
- DCSC Software Catalog
- DCSC Importing configuration
- DCSC Exporting configuration
- DCSC Part Search
- DCSC Unconfigured tab
- DCSC Guided Mode versus Expert Mode
- DCSC Performance
- Processor TAB
- Internal Storage TAB

Topics [2/2]

- [Supply Status](#)

- Supply Status – Initial Color LFO
- Supply Status – Initial Color FC / Option
- Supply Status – View Detail – LFO
- Supply Status – View Detail - FC / Option
- Supply Status – Summary – LFO
- Supply Status – Summary - FC / Option
- Supply Status – “Part Search”
- Gray out unhealthy part numbers
- Supply Risk Alert

- [Memory Wizard](#)

- DCSC Beginners Guide

- more

Data Center Solution Configurator Overview

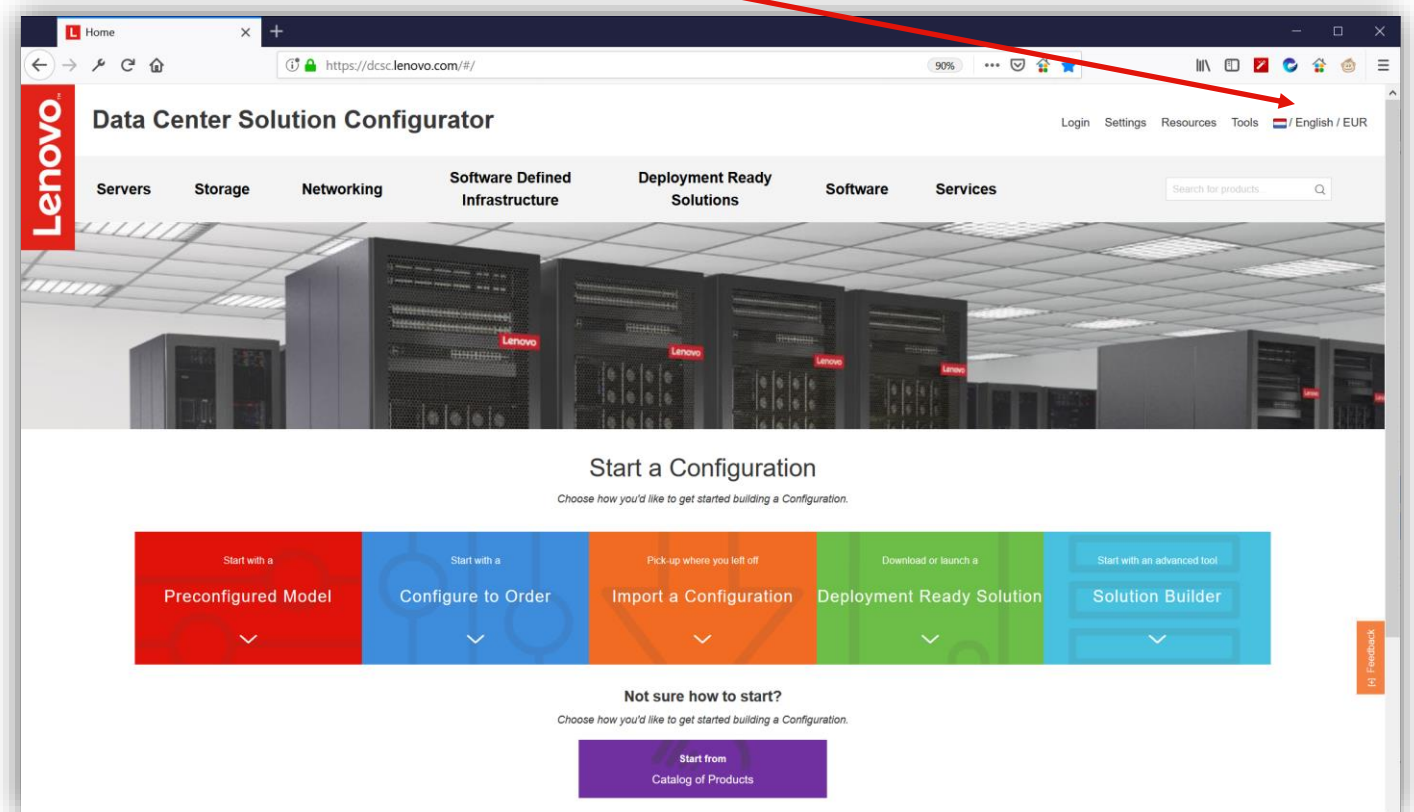
Lenovo

Data Center Solution Configurator (DCSC)

- The Data Center Solution Configurator (DCSC) is the Lenovo Data Center Group configurator that allows you to create a configuration for ThinkSystem and ThinkAgile solutions.
- This includes:
 - Servers
 - Storage
 - Networking
 - Services
 - Software
 - Preconfigured Models (LFO)
 - Configure To Order Models (CTO)
 - Software Defined Infrastructure:
ThinkAgile HX, ThinkAgile VX, ThinkAgile MX, ThinkAgile SX
 - Deployment Ready Solutions
Big Data and Analysis, Networking, Client Virtualization, Software Defined Storage
- Exported file format is XLS, XML and ZIP.
- The exported XML file can be used to create a bid or quotation in our quoting tool LBP
- x-config for HPC usage can be found @ <https://lesc.lenovo.com/products/hardware/configurator/worldwide/bhui/asiit/install.html>

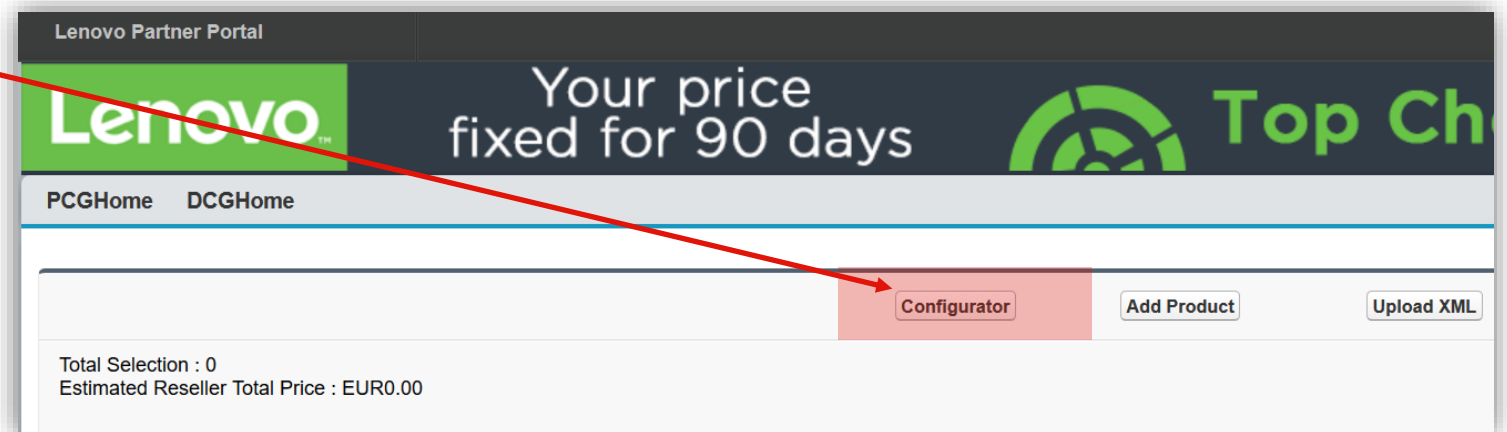
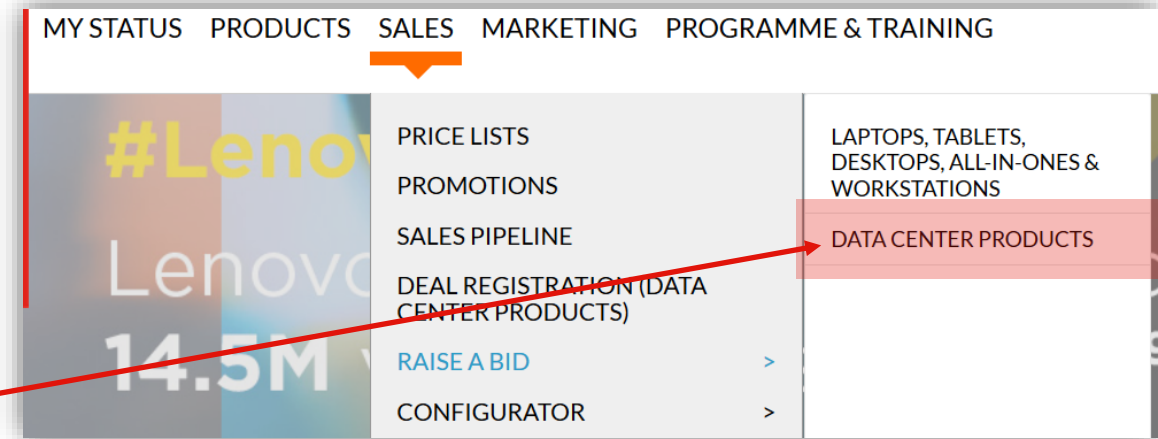
DCSC Online

- Please use link in *Lenovo Partner Portal* or *Lenovo Bid Portal* to start a configuration.
- Otherwise go to <https://dcsc.lenovo.com>
- Set country and currency (click on flag icon at top right corner)
- Supported browsers:
 - Firefox
 - Chrome
 - Edge
- *Using via VPN provides access to functions not visible to the public such as cost data and Supply Status*



Lenovo Bid Portal (LBP) LINK

- To see “**Supply Status**” you have to start from *Lenovo Partner Portal* or *Lenovo Bid Portal (LBP)* to create a configuration.
- After login at www.lenovopartner.com go to “SALES” and then “RAISE A BID”
- Click on “**DATA CENTER PRODUCTS**”.
- At the main page of Lenovo Bid Portal click on “Create a new bid request” and then “**Configurator**”.



Auto Data Driven & Supply Chain

Lenovo

Auto Data Driven & Supply Chain [1/2]

DCSC in 2018

- Since beginning 2018 (when DCSC went live), we have had a “Availability” column at the customize view of a product that gave a 6 month outlook.
- Each part number / feature code / option could be green, yellow or gray

RAID Array Element	Part Number	Feature Code	Price
> HDD not in RAID Array	4XB7A10195	1	€322.4
ThinkSystem 2.5" PM883 240GB Entry SATA			
6Gb Hot Sw			
M.2 Enablement			

DCSC in 2019

- In January 2019 we replaced the *estimated lead-time based supply* to *real-time based supply*
- Making the Lenovo Supply Chain visible for business partners and distributors
- Actual “**Supply Status**” can be seen when creating a configuration via “**Lenovo partner portal**” or “**Lenovo bid portal**” links

Qty	Description	Supply Status	Part Number	Feature Code	Price
0	ThinkSystem 2U x8 x16ML2 PCIe FH Riser 1	●		AURB	€ 103,00
0	ThinkSystem 2U x8/x8/x8ML2 PCIe FH Riser 1				€ 67,00
0	ThinkSystem 2U x8/x8/x8 PCIe FH Riser 1				€ 43,00
0	ThinkSystem SR550/SR590/SR650 x16/x8 PCIe FH Riser 1 Kit				€ 154,00
	ThinkSystem SR550/SR590/SR650 (x16/x8)/(x16/x16) PCIe FH Riser 2 Kit				€ 55,00
	ThinkSystem SR650 x16/x8/x16 PCIe Riser1				€ 61,00

Week	Color	Description	Price
4 Weeks	●	Supply available	€ 43,00
W1	●	Supply available	€ 154,00
W2	●	Supply available	€ 55,00
W3-4	●	Supply available	€ 61,00
W5-8	●	Supply available	€ 61,00
W9-13	●	Supply available	

Note: Based on inventory available from Lenovo only

Auto Data Driven & Supply Chain [2/2]

- “**Supply Status**” given is based on supply available from Lenovo only, updated daily
- Each part number could be Blue, Green, Yellow or Gray
- An “**Special Alert Message**” is added to give additional (background) information
- Status is divided into 6 buckets.
- First bucket is the combined status of the first 4 weeks. The color in the “4 weeks” will be used as initial color.
- Other five buckets represents Week 1, Week 2, Weeks 3-4, Weeks 5-8 and Weeks 9-13.
- This gives a 90 days / 13 weeks real time supply status

Supply Status (Color + Description)

Standard Color Description	
Blue	Readily available supply
Green	Supply available
Yellow	Limited supply availability
Grey	Supply availability risk
Special Alert Message	
Grey	New product without ship support
Green/Yellow/Grey	EOL soon, limited supply availability
Green/Yellow/Grey	Buy to order material, only purchasing supply when requested
Green/Yellow/Grey	Extremely long lead time material
Grey	Please check with Lenovo sales rep or customer fulfillment rep

13 weeks Supply Status displayed in 6 buckets

Week	Color	Description
4 Weeks	●	Supply available
W1	●	Supply available
W2	●	Supply available
W3-4	●	Supply available
W5-8	●	Supply available
W9-13	●	Supply available

Note: Based on inventory available from Lenovo only

Data Center Solution Configurator Beginners Guide

Lenovo

DCSC - Key Features [1/4]

- The following features will be highlighted and explained further as you go through the guide:
 - Home Page and Home Page features
 - Configure To Order (CTO) vs Preconfigured (BTO)
 - Links to valuable resources and tools
 - Easy country, language and currency selection
 - Hover-over product and solution catalogs
 - Quick Launch and Look ahead search features
 - Product Page and Product Page features
 - Quick access to Product Guide, Data Sheets and 3D catalog
 - Filtering, Sorting and Column Width features
 - Customize Page and Customize Page features
 - Find Part
 - View Details
 - Configuration Tree
 - Resource Tracker

DCSC - Key Features [2/4]

- The following features will be highlighted and explained further as you go through the guide:
 - Summary Page and Summary Page features
 - Recommendations On/Off
 - Engineering Power Report
 - Go to Workspace
 - Show/Hide Product Catalog
 - Restart, Save and Export
 - Change Quantity & Contextual Catalog

DCSC - Key Features [3/4]

- The following features will be highlighted and explained further as you go through the guide:
 - Importing Configuration
 - Exporting Configuration
 - Part Search
 - Unconfigured Tab
 - Supply Status (visible for Lenovo internal and Partner integrated version of DCSC)
 - Login access
 - Error Handling
 - Guided mode vs Expert mode
 - Output formats

DCSC - Key Features [4/4]

- The following features will be highlighted and explained further as you go through the guide:
 - Engineering Report
 - Error Messages and Error Handling
 - Single & Multiple product configuration

DCSC – Homepage [1/7]

- You can use **1** or **2** to quickly find and customize your solution
- **1** - **Customize in Preconfigured (TopSeller) Mode**
 - Designed for quick order to ship from Distribution, in this mode, the configuration starts with a standard model (pre-built configuration). Additional Option components can be added to the standard configuration to meet customer requirements. This type of configuration is assembled and fulfilled by Lenovo Partners
- **2** - **Customize in Configure-to-Order (CTO) Mode**
 - In this mode, the product model is Configured To Order with the desired hardware components. This type of configuration is built and integrated by Lenovo Manufacturing.
- **3** - **Import a configuration**
 - You can use #3 to import a saved XML file, so you can make changes/update to your saved solution

The screenshot shows the DCSC homepage with a navigation bar at the top containing links for Servers, Storage, Networking, ON DEMAND Solutions, Software Defined Infrastructure, Deployment Ready Solutions, Software, and Services. A search bar is also present. Below the navigation bar is a large banner image of server racks. Underneath the banner, there is a section titled "Start a Configuration" with two rows of buttons. The first row has five buttons: "Preconfigured Model" (red), "Configure to Order" (blue), "Import a Configuration" (orange), "Deployment Ready Solution" (green), and "Solution Builder" (light blue). The second row has one button: "Start from Catalog of Products" (purple). Red circles with numbers 1, 2, and 3 are overlaid on the "Preconfigured Model", "Configure to Order", and "Import a Configuration" buttons respectively. Text above the buttons reads "Choose how you'd like to get started building a Configuration." and "Not sure how to start?". At the bottom of the page, there are sections for "ESSENTIAL LINKS" and "Availability, Offers, prices, specifications and availability may change without notice."

DCSC – Homepage [2/7]

Country, Language and Currency Selection

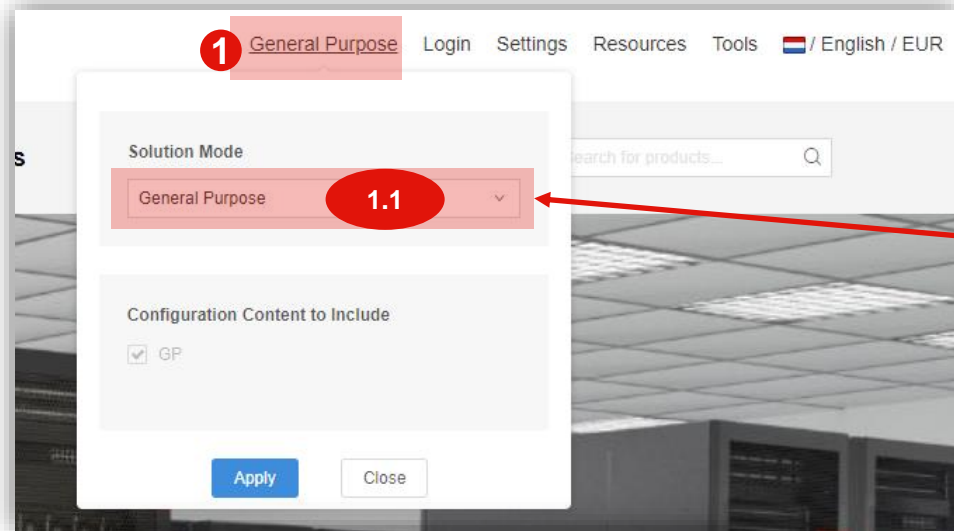
The image shows the DCSC homepage with a red box highlighting the 'English / EUR' link in the top right corner, labeled with a red circle containing the number '1'. Below the homepage, a pop-up box titled 'Customize Your Country / Region' is shown. It features three dropdown menus: 'Country / Region' (set to Netherlands), 'Language' (set to English), and 'Currency' (set to EUR(€)). A blue 'Save Preferences' button is located at the bottom of the pop-up. A red arrow points from the 'English / EUR' link in the homepage to the 'Country / Region' dropdown in the pop-up, which is labeled with a red circle containing the number '2'.

- From the DCSC Home Page you start by choosing your country, language and currency. The DCSC defaults to US English with USD
- #1 – To change, click on the Country setting in the Red Box
- #2 – You will get a pop-up box for your selections. Start with the Country, as that will populate Language and Currency (some countries support multiple Languages)
- When complete, choose “Save Preferences”

DCSC – Homepage [3/7]

Links to valuable Resources and Tools

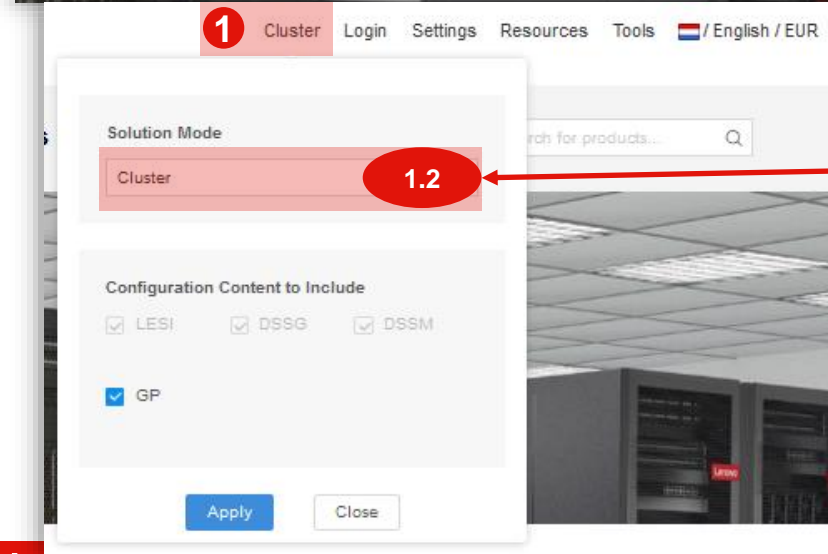
- From the DCSC Home Page menu there is “Solution Mode”, “Login” (Lenovo internal only), “Settings”, “Resources” and “Tools”



1 Solution mode:

1.1

General Purpose mode: Select this mode when you have an order that will not require manufacturing to connect network cables for products configured in a rack. This mode is for customers who intend or doing their own networking once the products are delivered.



1.2

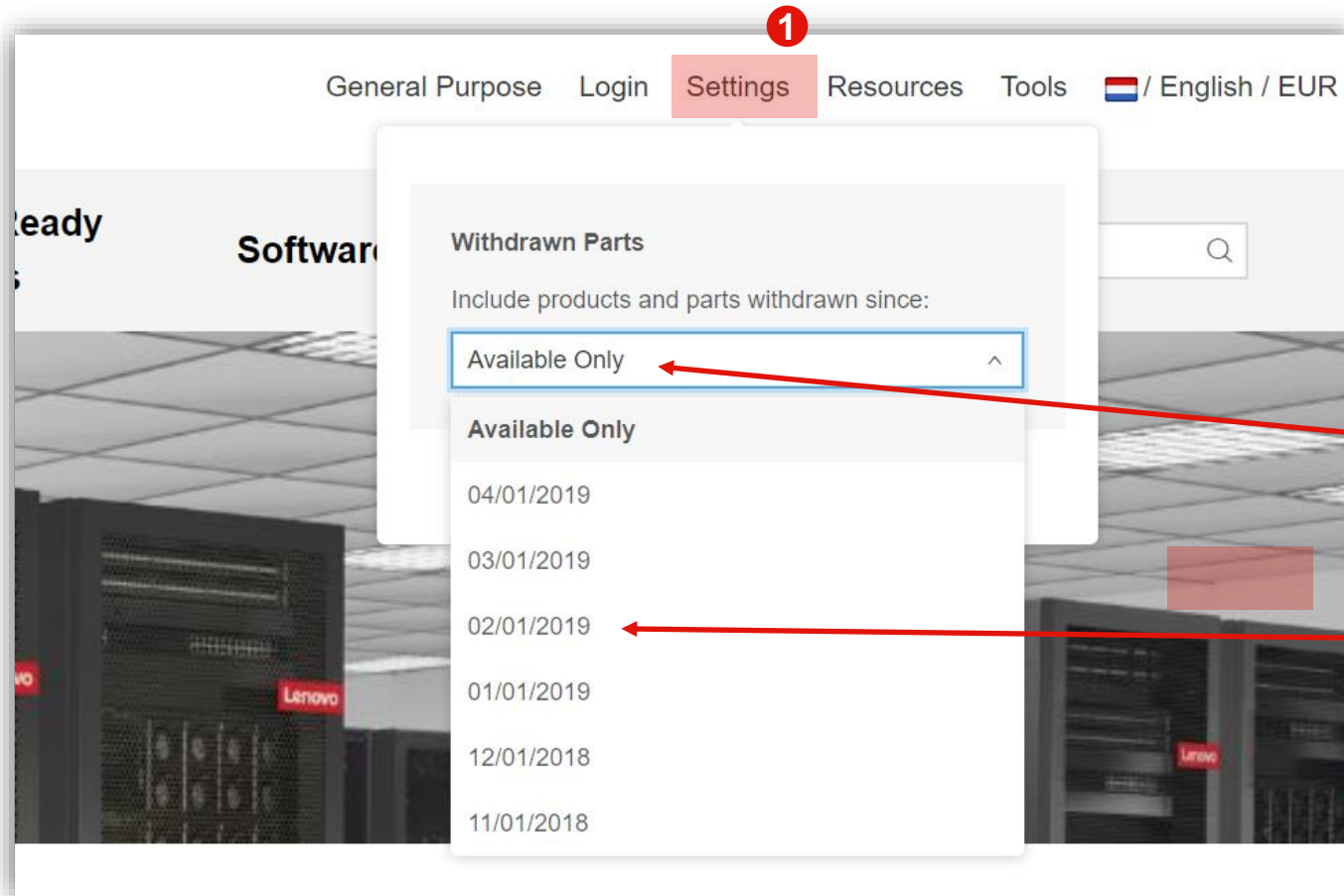
Cluster: If you want to order a product in a racked solution that have the network connections cabled by manufacturing; this is the mode that you should select. This mode include LESI, DSSG* and DSSM* products as optional user can include GP products (those will be marked as “-SB” (special bids) for reference.

DCSC – Homepage [4/7]

Links to valuable Resources and Tools

- From the DCSC Home Page menu there is “General Purpose”, “Login” (Lenovo internal only), “Settings”, “Resources” and “Tools”

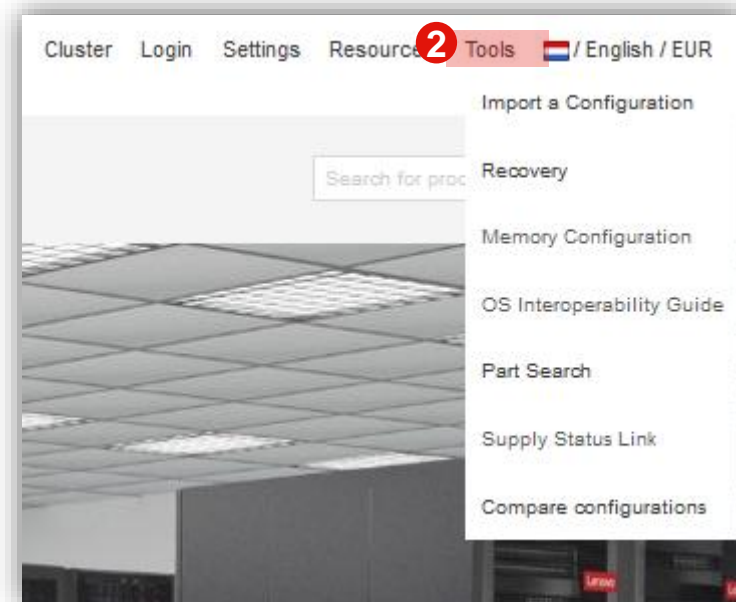
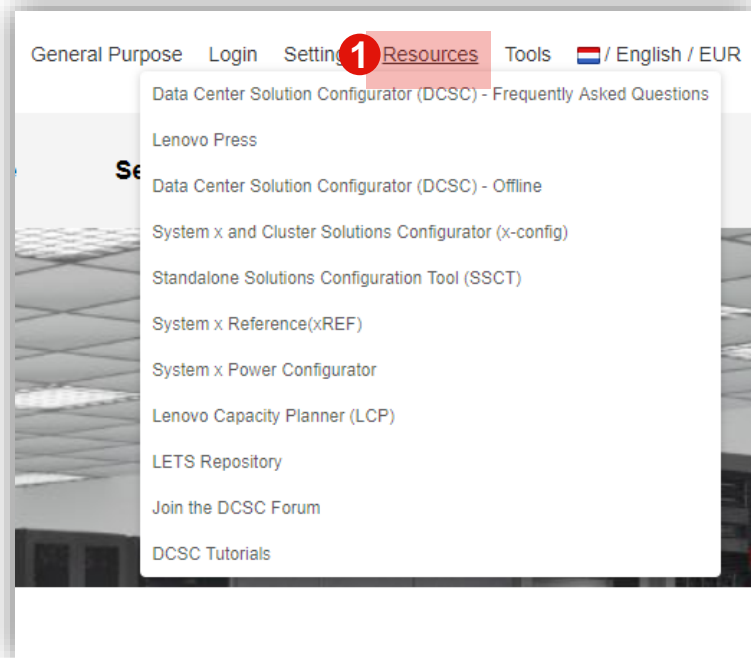
- #1 – Settings
This is where you can change the products and parts to be available in the configurator based on:



- Available Only
All current available products and parts
This is the default selection
- Other Date e.g. 02/01/2019
All available products and parts up to February 1st 2019
This can be used to import a XML file with products and parts that are EOL after 02/01/2019

DCSC – Homepage [5/7]

Links to valuable Resources and Tools



- From the DCSC Home Page menu there is “General Purpose”, “Login” (Lenovo internal only), “Settings”, “Resources” and “Tools”

- **1 Resources**
This is where you can find some valuable Resources, like the Lenovo Press Web site, the Web site where you can download the offline DCSC, the DCSC forum, the LETS Repository, etc.

- **2 Tools**
This is where you can find some valuable Tools, like the Memory Configuration tool, Part Search, Recovery, Compare Config, etc.

Or Import a Configuration, go to is OS Interoperability Guide.

The “Supply Status Link” is for Lenovo Internal ONLY

DCSC – Homepage [6/7]

Hover-over product and solution catalogs

Lenovo Data Center Solution Configurator

General Purpose Login S

1 Servers Storage Networking ON DEMAND Solutions Software Defined Infrastructure Deployment Ready Solutions Software Services

Rack and Tower Servers Mission-Critical Blades High-Density Options

System x3250 M6
ThinkSystem SR250
ThinkSystem SR530
ThinkSystem SR550
ThinkSystem SR570
ThinkSystem SR590
ThinkSystem SR630
ThinkSystem SR650
ThinkSystem SR670
ThinkSystem ST50
ThinkSystem ST250
ThinkSystem ST550

System x3850-3950 X6
ThinkSystem SR850
ThinkSystem SR860
ThinkSystem SR950

Flex System Chassis
ThinkSystem SN550
ThinkSystem SN850

ThinkSystem D2 Enclosure
ThinkSystem Modular Enclosure
ThinkSystem SD530

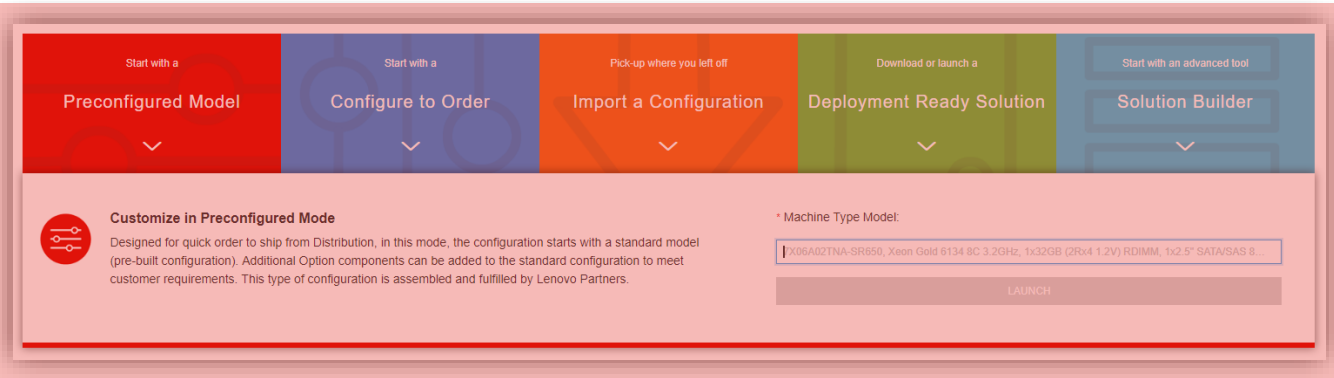
Mellanox IB EDR Switch
Racks/Power Solutions

- **1** – This is an example of hovering-over the “Servers” menu. From there you can go directly to the Product page / Category view for the server you are looking for
 - You will get a similar experience for the Storage, Networking, ON DEMAND Solutions, Software Defined Infrastructure, Deployment Ready Solutions, Software & Services

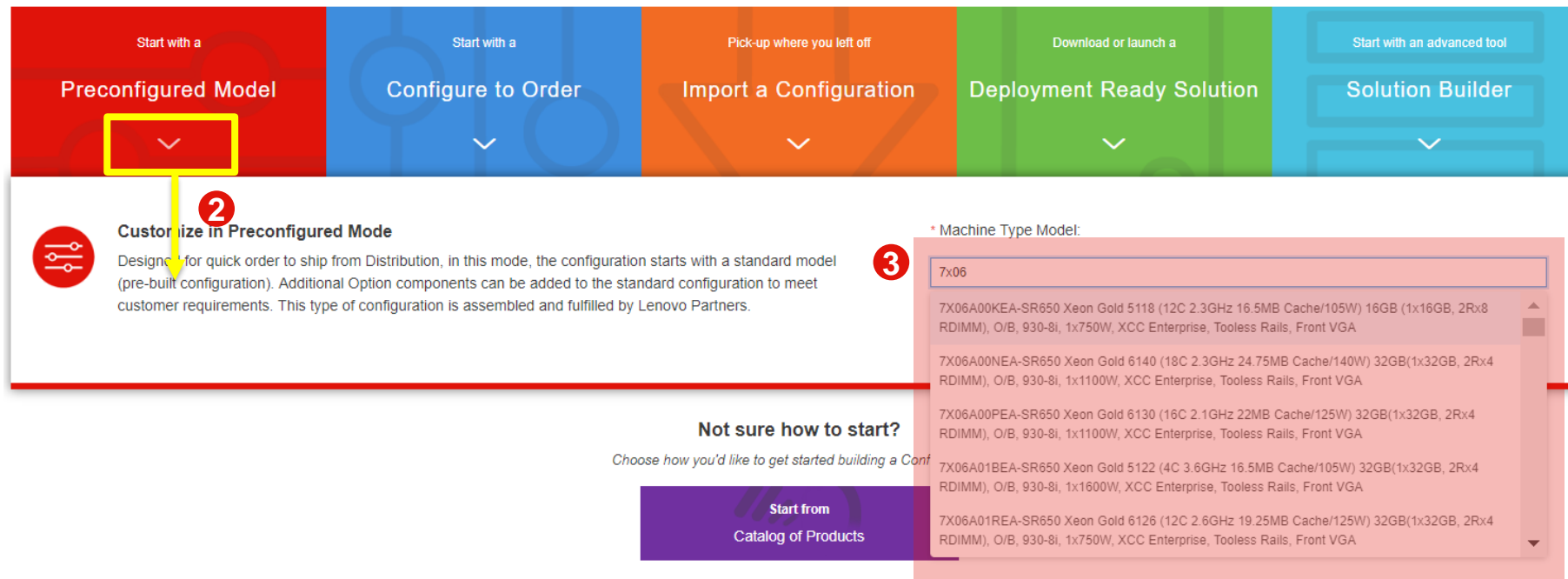
DCSC – Homepage [7/7]

Quick Launch and Look ahead search functionality

- #1 – This referred to as the ‘Quick Launch’ feature & the ‘Look ahead’ feature
- #2 – Click on the down arrow to open up the feature
- #3 – This is an example of the “Preconfigured Model” quick launch feature
 - In the search box I used 7x06, which is the SR650 machine type model, you can see that it will look ahead and show all the servers with the 7X06 machine type
 - From here you can scroll through and go directly to customizing the server/product
 - In the search box you could type in SR650 or any other text of the description, like CPU SKU number



1



DCSC – Product / Catalog View

<https://dcsc.lenovo.com/#/categories/STG%40Servers%40Rack%20and%20Tower%20Servers%40ThinkSystem%20SR650>

Data Center Solution Configurator

Home / Servers / Rack and Tower Servers / ThinkSystem SR650

ThinkSystem SR650

Overview

Top-performing server for data centers needing scalability
Large memory capacity
Vast storage capacity
Versatile storage configurations/AnyBay
Flexible I/O & networking configurations
Enterprise-class RAS features
XClarity systems management

Customize a Preconfigured Model

Preconfigured Mode | Configure-To-Order Mode

Customize in Preconfigured Mode: Designed for quick order to ship from Distribution, in this mode, the configuration starts with a standard model (pre-built configuration). Additional Option components can be added to the standard configuration to meet customer requirements. This type of configuration is assembled and fulfilled by Lenovo Partners.

Show/Hide Columns: Processor/Speed - Number of Processors - Memory (Standard/Max/Type) - Internal Hard Disk (Max) - Supported Hard Disk - Slots x Bays Total (Avail) - Power Supply Size / Type - Limited Warranty - Unit Price - Top Choice

ACTION	Supply Status	Processor/Speed	Number of Processors	Memory (Standard/Max/Type)	Internal Hard Disk (Max)	Supported Hard Disk	Slots x Bays Total (Avail)	Power Supply Size / Type	Limited Warranty	Unit Price	Top Choice
Customize 7X06A07YEA	●	Intel Xeon Silver 4114 10C 2.2GHz/ 2.2GHz	1/2	32GB/3072GB/TruDDR4	368.64TB	2.5in SAS/SATA	2(1) x 8(8)	750W/Hot-Swap Optional Redundant Power Supply	3 year CRU & On-site 9x5 Next Business Day (NBD)	€3,844.00	Top Choice
Customize 7X06A04LEA	●	Intel Xeon Silver 4110 8C 2.1GHz/ 2.1GHz	1/2	16GB/3072GB/TruDDR4	368.64TB	2.5in SAS/SATA	2(1) x 8(8)	750W/Hot-Swap Optional Redundant Power Supply	3 year CRU & On-site 9x5 Next Business Day (NBD)	€3,088.00	Top Choice
Customize 7X06A04BEA	●	Intel Xeon Silver 4114 10C 2.2GHz/ 2.2GHz	1/2	16GB/3072GB/TruDDR4	368.64TB	2.5in SAS/SATA	2(1) x 16(16)	750W/Hot-Swap Optional Redundant Power Supply	3 year CRU & On-site 9x5 Next Business Day (NBD)	€4,473.00	

- This is an example of the SR650 Product Page / Catalogus View

- On this page you will find key resources:

- Data Sheet, Product Guide, Product Video & 3D Product Catalog

- The landing page defaults to the “Preconfigured Mode” tab, to the right is the “Configure-To-Order Mode” tab

- Some key features on this page are:

- Search, Filter & Sort
- Show/Hide Columns & Adjust Column Size

- Once you find the model you want to configure, choose ‘Customize’

DCSC – Customize View [1/7]

<https://dcsc.lenovo.com/#/configuration/lfo/7X06A04LEA?mode=lfo>

Lenovo Data Center Solution Configurator

Home / Servers / Rack and Tower Servers / ThinkSystem SR650 / 7X06A04LEA

Customize Page

General Purpose Login Settings Resources Tools / English / EUR

Base Processors Memory Storage PCI Optical Drive Power Others Security Services OS & Software Unconfigured

Base

Enable Extended Lead Time Parts Show Columns Collapse All

Qty	Description	Supply Status	Part Number	Feature Code	Price
1	ThinkSystem SR650 2.5" Chassis with 8, 16 or 24 bays(Standard)	●			

Configuration Price

- This is an example of the SR650 Customize Page (preconfigured model 7X06A04LEA)
- The default tab is usually the 'Base', for preconfigured models that is already chosen and locked
- Move from left to right, choosing the tab you want to choose and/or change options on (best practice is to move from left to right across the option tabs)
- Some key features on this page:
 - Name Product (optional), Color, Find Part, Voltage Selection, Power Policy, Summary Button, Resource Tracker Button, Guided Mode & Expert Mode Buttons, Configuration Price, & Configuration Tree
- Some other key features:
 - Show/Hide Columns, Collapse/Expand All, Filtering & Sorting
- When customizing is complete, choose 'Summary' button to go to the Summary page

DCSC – Customize View [3/7]

Find Part: <https://dcsc.lenovo.com/#/configuration/lfo/7X06A04LEA?mode=lfo>

Qty	Description	Supply Status	Part Number	Feature Code	Price
1	ThinkSystem SR650 2.5" Chassis with 8, 16 or 24 bays(Standard)	●			

- 1 – This is the customize page for preconfigured model 7X06A04LEA
 - “Find Part” is somewhat like Part Search, except “Find Part” will only search across the options for this LFO model and across the Option tabs

Qty	Description	Supply Status	Part Number	Feature Code	Price (each)
1	ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter(Standard)	●	7Y37A01084		€725.00
1	ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter(Standard)	●	7Y37A01084		€725.00
1	ThinkSystem RAID 530-8i PCIe 12Gb Adapter	●	7Y37A01082		€745.00

- 2 – I searched on text “930-8i” You can use PN’s (part numbers) and text from a part number description to search
 - When you find the part you are looking for just click on it
- 3 – When you click on the part you want, it will bring you to the part number and highlight it in yellow

DCSC – Customize View [4/7]

View Details: <https://dcsc.lenovo.com/#/configuration/lfo/7X06A04LEA?mode=lfo>

7X06A04LEA

server manually add Unconfigured 2

Description	Part Number	Unit Price	Quantity	Total Price	Supply Status
ThinkSystem SR650	7X06A04LEA	€3.088,00	1	€3.088,00	●
Lenovo ThinkSystem Mainstream MB - 2U(Standard)			1		
ThinkSystem SR650 2.5" Chassis with 8, 16 or 24 bays(Standard)			1		
ThinkSystem SR650 Intel Xeon Silver 4110 8C 85W 2.1GHz Processor Option Kit(Standard)			1		
ThinkSystem 16GB TruDDR4 2666 MHz (2Rx8 1.2V) RDIMM(Standard)			1		
ThinkSystem SR550/SR650 2.5" SATA/SAS 8-Bay Backplane Kit(Standard)			1		
Select Storage devices - no configured RAID required(Standard)			1		
ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter(Standard)			1		
ThinkSystem 750W(230/115V) Platinum Hot-Swap Power Supply(Standard)			1		

ThinkSystem RAID 530-8i PCIe 12Gb Adapter ● 7Y37A01082 €253,00

0 Top Choice

ThinkSystem RAID 730-8i 1GB Cache PCIe 12Gb Adapter ● 7Y37A01083 €450,00

0

ThinkSystem 430-8i SAS/SATA HBA ● 7Y37A01088 €275,00

Top Choice

ThinkSystem RAID 730-8i 2GB Flash PCIe 12Gb Adapter ● 4Y37A09722 €655,00

Top Choice

€5.844,00

Configuration Availability

● Supply available

Click View Detail to see configuration detail and supply status

ThinkSystem SR650 - 3yr Warranty View Detail 1

- #1 “View Details” is used to see all the options and standard parts for the configured model in one view
- The “View Details can be found at in the middle of the right side of the customize view
- #2 The pop-up window that appears after you click on ‘View Details’
 - You can copy and paste the options and parts listing to a spreadsheet if you need it
 - Some parts are standard with the LFO model and some will not have prices

DCSC – Customize View [5/7]

Configuration Tree: <https://dcsc.lenovo.com/#/configuration/lfo/7X06A04LEA?mode=lfo>

Qty	Description	Supply Status	Part Number	Feature Code	Price
0	ThinkSystem RAID 530-8i PCIe 12Gb Adapter	●	7Y37A01082		€253,00
0	ThinkSystem RAID 730-8i 1GB Cache PCIe 12Gb Adapter	●	7Y37A01083		€450,00
	ThinkSystem 430-8i SAS/SATA HBA	●	7Y37A01088		€275,00
	ThinkSystem RAID 730-8i 2GB Flash PCIe 12Gb Adapter	●	4Y37A09722		€655,00
	ThinkSystem RAID 930-16i 4GB Flash PCIe 12Gb Adapter	●	7Y37A01085		€1.213,00
	ThinkSystem RAID 930-24i 4GB Flash PCIe 12Gb Adapter	●	7Y37A01086		€1.350,00
	ThinkSystem RAID 930-16i 8GB Flash PCIe 12Gb Adapter	●	4Y37A09721		€1.775,00
	ThinkSystem 430-16i SAS/SATA HBA	●	7Y37A01089		€488,00

> NVMe U.2 Controller

Qty	Description	Supply Status	Part Number	Feature Code	Price
	ThinkSystem SR650 - 3yr Warranty				
1	ThinkSystem SR650 2.5" Chassis with 8, 16 or 24 bays(Standard)				
1	ThinkSystem SR650 Intel Xeon Silver 4110 8C 85W 2.1GHz Processor Option Kit(Standard)				
1	ThinkSystem 16GB TruDDR4 2666 MHz (2Rx8 1.2V) RDIMM(Standard)				
1	ThinkSystem SR550/SR650 2.5" SATA/SAS 8-Bay Backplane Kit(Standard)				
1	Select Storage devices - no configured RAID required(Standard)				
1	ThinkSystem RAID 930-8i 2GB Flash PCIe 12Gb Adapter(Standard)				
1	ThinkSystem 750W(230/115V) Platinum Hot-Swap Power Supply(Standard)				
1	2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable(Standard)				
1	ThinkSystem XClarity Controller Standard to Enterprise Upgrade(Standard)				
1	Feature Enable TPM 1.2(Standard)				
1	ThinkSystem Toolless Slide Rail(Standard)				
1	ThinkSystem SR550/SR590/SR650 EIA Latch w/ VGA Upgrade Kit(Standard)				
1	EMEA Hardware Basic Installation Server Standard Business Hours - IP1				
1	Premier with Essential - 3Yr 24x7 4Hr Response + YourDrive YourData				

- “Configuration Tree” is used to view all the options and parts standard and added to the configuration, including Services added and defaulted
 - This is used to keep track of what is standard and what you have added to the customized product
 - It also shows the quantities of the parts and options
- The Summary page will show the same parts and options

DCSC – Customize View [6/7]

Resource Tracker: <https://dcsc.lenovo.com/#/configuration/lfo/7X06A04LEA?mode=lfo>

Home / Servers / Rack and Tower Servers / ThinkSystem SR650 / 7X06A04LEA

Customize Page

Resource Tracker

Engineering Power Report
Voltage: 230V - SinglePhaseAC
Power Policy: Non-Redundant

	Idle	Nominal Max	Worst Case Max
Input Power (W)	51	201	238.2
Input Current (A)	0.3	0.9	1.1
Apparent Power (VA)	65.3	206.6	244.1
Heat Generation (BTU/Hr)	174	685.9	812.7
Power(DC W)	33.6	185.5	220.4

Memory

Total Slots:	12
Available Slots:	11
Total Ordered:	16.0GB

Disk Drive

Total Drive Bays:	8
Available Drive Bays:	8
Total Ordered:	0.0GB

Power Supply

Total Bays:	2
Available Bays:	1

Processor

Total Slots:	2
Available Slots:	1

PCI Slot

Total Slots:	2
Available Slots:	1

Riser Slot

Total Slots:	2
Available Slots:	2

Resource Tracker

- “Resource Tracker” is used to keep track of standard and added options, plus provide quantities for configured and available options

- Click on “Resource Tracker” button to get a popup

- In the “Resource Tracker” popup you will find data from:
 - “Engineering Power Report”
 - “Memory”
 - “Disk Drive”
 - “Power Supply”
 - “Processor”
 - “PCI Slot” and
 - “Riser Slot”

“Resource Tracker” data and available resources will vary by product

DCSC – Summary Screen [1/7]

Example with a <https://dcsc.lenovo.com/#/configuration/lfo/7X06A04LEA?mode=lfo>

- This is an example of the SR650 Summary page (Recommendation is Off)
- On the Summary page you can:
 - Add additional products by using the “Show Product Catalog”
 - Go to Racking mode (using “Go to Workspace”)
 - Generate a power data report (using “Engineering Power Report”)
- If you need to go back and make changes to the configuration, choose ‘Customize’
- Some of the key features:
 - Make a ‘Copy’, ‘Delete’ & ‘Add Container’ (in this case, add a Rack)
 - “Part Search”
 - Change Quantity (**including racks**)
- Once complete, you can ‘Save’ (generate XML) or “Export” (generate ZIP file). The ZIP file will contain a XML & XLS quote²⁹ sheet

Home / Solution Builder / Summary

Solution View Part Search

Show Product Catalog Go to Workspace Restart Save Export Recommendation Sub Total €5.844,00 Grand Total €5.844,00

Logical Groups Engineering Power Report

Non Rack Items €5.844,00

> Server- ThinkSystem SR650 - 3yr Warranty	7X06A04LEA	Quantity: 1	€5.844,00
--	------------	-------------	-----------

Customize Copy Delete Add Container

ESSENTIAL LINKS

Data Center Solution Configurator (DCSC) - Frequently Asked Questions

Lenovo Press

Data Center Solution Configurator (DCSC) - Offline System x and Cluster Solutions Configurator (x-config)

Standalone Solutions Configuration Tool (SSCT)

System x Reference(xREF)

System x Power Configurator

Lenovo Capacity Planner (LCP)

Availability: Offers, prices, specifications and availability may change without notice.

Warranty: For a copy of applicable warranties, write to: Lenovo Warranty Information, 1009 Think Place, Morrisville, NC, 27560. Lenovo makes no representation or warranty regarding third party products or services. The Lenovo Limited Warranty applies only to Lenovo hardware products purchased for your own use, and does not transfer upon resale.

Pricing: Does not include tax, shipping and handling, or recycling fees. Reseller prices may vary. Savings referenced off regular Lenovo web prices.

Support: Have questions? Contact us at salesconfig@lenovo.com

Feedback

DCSC – Summary Screen [2/7]

Recommendations ON / OFF

- Recommendations is switched “On”
- ”

– In this example there are recommendations for Lenovo Rack Switches

– Recommended products will vary based off of GEO and products that have been configured

The screenshot shows the DCSC Summary Screen with the 'Recommendation' toggle set to 'On'. The interface includes a top navigation bar with 'Home / Solution Builder / Summary' and a 'Solution View' header. Below the header are several action buttons: 'Show Product Catalog', 'Go to Workspace', 'Restart', 'Save', 'Export', and 'Recommendation' (highlighted with a red box). The 'Recommendation' button has a green dot and the text 'On Recommendation'. To the right, the 'Sub Total' is €5.844,00 and the 'Grand Total' is €5.844,00. The main content area is titled 'Non Rack Items' and shows a list of items. The first item is 'Server - ThinkSystem SR650 - 3yr Warranty' with part number 7X06A04LEA and a quantity of 1. Below this, there is a section for 'LENOVO RECOMMENDATIONS For Server - ThinkSystem SR650 - 3yr Warranty - 7X06A04LEA'. Underneath, there are three 'Lenovo RackSwitches' listed: 'Lenovo ThinkSystem NE0152T RackSwitch (Rear to Front) 7Y810011WW', 'Lenovo RackSwitch G7052 (Rear to Front) 7159CAX', and 'Lenovo RackSwitch G7028 (Rear to Front) 7159BAX'. Each switch card includes a list of features and specifications.

- Recommendations is switched “Off”

The screenshot shows the DCSC Summary Screen with the 'Recommendation' toggle set to 'Off'. The interface is similar to the previous screenshot, but the 'Recommendation' button is now highlighted with a red box and has a grey dot and the text 'Off Recommendation'. The 'Sub Total' and 'Grand Total' remain the same at €5.844,00. The 'Non Rack Items' section is visible at the top, but the 'LENOVO RECOMMENDATIONS' section is not visible in this view.

DCSC – Summary Screen [3/7]

Engineering Power Report

- On the Summary page select “Engineering Power Report” button to get the Power data for your configuration
- Click on the down arrow to open-up the power data box
- The “Load Factor” slide bar defaults to 85%. You can set the utilization to what you believe will be the load on the server
- You can “Save” the data based on “Load Factor” you choose, “Export” the data to a XLS file or click on “Close” when done.

Home / Solution Builder / Summary

Solution View Q Part Search

Show Product Catalog Go to Workspace

Logical Groups Engineering Power Report

Restart Save Export Recommendation

Sub Total €5.844,00 Grand Total €5.844,00

Non Rack Items

Engineering Power Report

Non Rack Items

Server - ThinkSystem SR650 - 3yr Warranty 7X06A04LEA Quantity: 1

Voltage: 230V - SinglePhaseAC Power Policy: Non-Redundant

Load Factor: 85%

	Idle	Load Factor	Nominal Max	Worst Case Max
Input Power (W)	51	176.7	201	238.2
Input Current (A)	0.3	0.8	0.9	1.1
Apparent Power (VA)	65.3	182	206.6	244.1
Heat Generation (BTU/Hr)	174	603.1	685.9	812.7
Power(DC W)	33.6	162.7	185.5	220.4

Save Export Close

DCSC – Summary Screen [5/7]

Show / Hide Product Catalog

- From the Summary page select “Show Product Catalog” button
- The Product Catalog is used for adding additional products to your solution
- You can add Servers, Storage, Networking, Rack and Software by selecting and double clicking that product
- You can expand the Product Catalog by clicking on the double rights arrow circle
- You would expand if you need to see more of the product description
- When done adding additional products, click on “Hide Product Catalog” button

Home / Solution Builder / Summary

Solution View

Q Part Search

Show Product Catalog Go to Workspace

Logical Groups Engineering Power Report

Restart Save Export Recommendation

Sub Total €5.844,00 Grand Total €5.844,00

Home / Solution Builder / Summary

Solution View

Hide Product Catalog Go to Workspace

Logical Groups Engineering Power Report

Restart Save Export Recommendation

Sub Total €5.844,00

Search for a product

Note The list of products include base and preconfigured models. Products marked with a blue dot (●) are base models.

Servers

Storage

Networking

Rack

Software

Non Rack Items

> Server- ThinkSystem SR650 - 3yr Warranty 7X06A04LEA Quantity: 1

Customize Copy Delete Add Container

DCSC – Summary Screen [6/7]

Restart / Save and Export

The screenshot displays the DCSC Summary Screen. At the top, there is a breadcrumb trail: Home / Solution Builder / Summary. Below this, the page is titled 'Solution View'. A search bar labeled 'Part Search' is located in the top right corner. The main navigation area contains several buttons: 'Show Product Catalog', 'Go to Workspace', 'Logical Groups', and 'Engineering Power Report'. A row of action buttons includes 'Restart' (marked with a red circle 1), 'Save' (marked with a red circle 2), 'Export' (marked with a red circle 3), and 'Recommendation' (with a toggle switch set to 'Off'). To the right of these buttons, the 'Sub Total' is €5.844,00 and the 'Grand Total' is €5.844,00. A 'Non Rack Items' section is partially visible below the totals. A 'Start New Configuration' pop-up window is overlaid on the screen, featuring a close button (X) in the top right. The pop-up has a title 'Start New Configuration' and a section 'Start From Model'. It contains two input fields: '* Customization Option:' with a dropdown menu set to 'Customize in Preconfigured Mode', and '* Machine Type Model:' with a text box containing '7X06A02TNA-SR650, Xeon Gold ...'. A 'LAUNCH' button is positioned to the right of the second field. At the bottom of the pop-up, there is a link 'Start From Lenovo Systems Builder' and a large blue button labeled 'LENOVO SYSTEMS BUILDER'. A red arrow points from the 'Restart' button in the background to the 'Start New Configuration' pop-up window.

- This is a view of the Summary page, also called the 'Solution View'
- #1 – 'Restart' will end the configuration currently working on and start a new one fresh
- This pop-up window appears when selecting "Restart" , from here you can start building a new configuration
- #2 – 'Save' will generate a XML file that you can save to disk
- #3 – 'Export' will generate a ZIP file that you can save to disk
- If a CTO configuration, the ZIP will contain a XLS and XML file
- If a Preconfigured model configuration, the ZIP will contain a XLS, XML and CSV(2)

DCSC – Summary Screen [7/7]

Change Quantity & Contextual Catalog

The screenshot shows the DCSC Summary Screen. At the top, there is a navigation bar with 'Home / Solution Builder / Summary' and a 'Part Search' button. Below this is a 'Solution View' section with buttons for 'Show Product Catalog', 'Go to Workspace', 'Logical Groups', and 'Engineering Power Report'. A toolbar contains icons for 'Restart', 'Save', 'Export', and 'Recommendation' (set to 'Off'). The main content area displays a table of 'Non Rack Items' with a total value of €5,844.00. The table has columns for item name, part number, quantity, and price. The first item is 'Server- ThinkSystem SR650 - 3yr Warranty' with part number '7X06A04LEA' and a quantity of 1. A red box highlights the 'Quantity' input field, and a red circle with the number 1 is next to it. A red box highlights the 'Add Container' button, and a red circle with the number 2 is next to it. A red box with the text 'Max Quantity = 99' is also present.

- This is a view of the Summary page
- #1 – Click in the ‘Quantity’ box to adjust the quantity up and down (now available for Racks too)
- #2 – This is referred to as the “Contextual Catalog”, from here you will have a selection to add ‘supported’ products
- In this example “Add Container” (Rack) is showing as ‘supported’
- If this was a Dense Enclosure, you would have a selection to “Add Node”
- Along with adding a supported product you will have ability to “Customize”, “Copy” & “Delete”
- With “Part Search” standalone option can be added

DCSC – Importing configuration[1/3]

Import a configuration

The screenshot shows the DCSC interface. The top navigation bar includes 'General Purpose', 'Login', 'Settings', 'Resources', and 'Tools'. The 'Tools' menu is open, showing options like 'Import a Configuration', 'Memory Configuration', 'Power Configuration', 'OS Interoperability Guide', and 'Part Search'. The main area is titled 'Start a Configuration' with the subtitle 'Choose how you'd like to get started building a Configuration.' Below this are five buttons: 'Configure to Order', 'Import a Configuration', 'Deployment Ready Solution', and 'Solution Builder'. A red circle '1' is placed over the 'Import a Configuration' button. Below the buttons is a 'Please choose file' button with a folder icon, marked with a red circle '2'. A dialog box titled 'Upload Successfully' is open, showing a message about products that were unable to be installed. It lists 'Added Parts' and 'Removed Parts' in tables. A red circle '3' is placed over the 'Upload Successfully' dialog box. The bottom of the screenshot shows the 'Solution View' summary page with a red circle '4' over the 'Import Information' button in the bottom right corner.

Start a Configuration
Choose how you'd like to get started building a Configuration.

1

2

3

4

Upload Successfully

7X02CTO1WW-LESI (16)

Some products were unable to be installed. During import, one or more products may have been withdrawn or had rules changes which affected the configuration. The following information will guide you through selecting the appropriate replacements or validate the auto selection made by the tool.

Removed Added

Added Parts

Part Number	Description	Quantity
B6ZL	ThinkSystem SR630 Agency Label Lenovo, No ES Mark	1

Removed Parts

Part Number	Description	Quantity
AUTC	ThinkSystem SR630 Lenovo Agency Label	1

Home / Solution Builder / Summary

Solution View

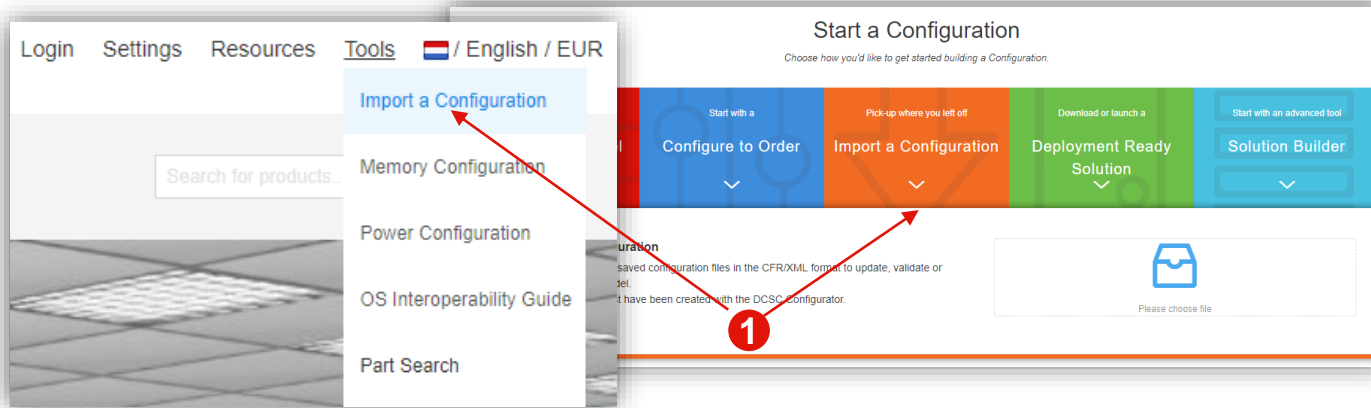
Show Product Catalog Go to Workspace Restart Save Export Recommendation On Import Information

- Import a saved configuration can be found under 'Start a Configuration' & in the 'Tools' menu

- 1 click on the down arrow head to open up the Import a Configuration
- 2 click on 'Please choose file' to browse your computer for a saved XML file
- 3 After import the tool could show you a new screen to let you know if any change was done in automatic into your configuration due to withdrawn products, country availability, change in rules, etc. The tool will display at CTO level which parts were:
 - Removed
 - Added.
 - Change QuantityNot all the changes could apply, the tool only will show the once that apply for your configuration
- 4 The information of import can also be review in summary page for feature reference.

DCSC – Importing configuration[2/3]

Import Cluster configuration (created on x-config tool)

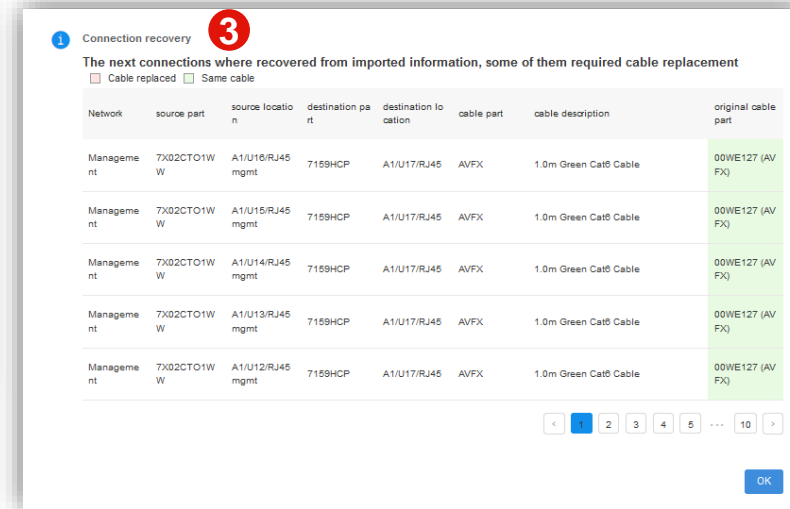
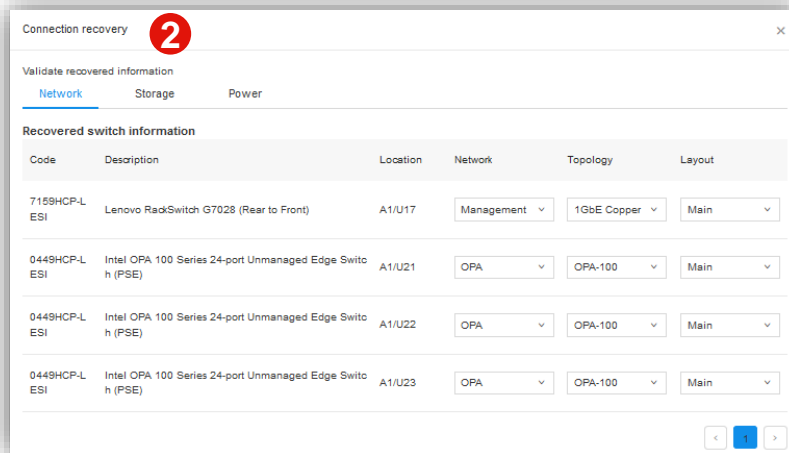


- Support of import cluster configuration from x-config tool. DCSC tool now support to import cluster configuration from x-config using the xml and excel x-config's formats. (CSE format is not supported for import – some special configuration will require manual effort to recover this functionality just cover the most common scenarios).

1 Start Import: from home page select import and select the xml file exported from x-config and later the tool will ask for the excel file (excel file is option it is used to recover P2P connection and Floor settings).

2 Connection Recovery: The tool will show to use the settings recover from the excel and xml files and user is able to change if possible some of the values to create the configurations (this settings will be show for network, storage and power connections).

3 Connection Recovery Result: In this screen user will be able the result of the auto connection recover logic and if any of the cables was change will be mark in red at first page.



DCSC – Importing configuration[3/3]

Merge Configuration (DCSC xml format only)

The image illustrates the process of merging DCSC configuration files. It is divided into two main sections, labeled 1 and 2.

Section 1: From Home Page:

- A** Use import
- B** add multiple files at same time
- C** Set the order of import of the files. (sequence of files import)

Section 2: From Manage Configuration (Login required): User can merge saved configuration at same time just:

- D** Selection the files from the menu
- E** Click in merge button.

The rest of the process is the same as a normal import the tool will show you if any change was done in automatic.

- Using import functionality DCSC tool support to merge configuration files into one single configuration. This feature is supported in General Purpose and Cluster Solution mode.
 - User is able to make the merge of configuration from:
 - 1** From Home Page:
 - A** Use import
 - B** add multiple files at same time
 - C** Set the order of import of the files. (sequence of files import)
 - 2** From Manage Configuration (Login required): User can merge saved configuration at same time just:
 - D** Selection the files from the menu
 - E** Click in merge button.
- The rest of the process is the same as a normal import the tool will show you if any change was done in automatic.

DCSC – Exporting configuration [1/2]

Export General Purpose Solution mode

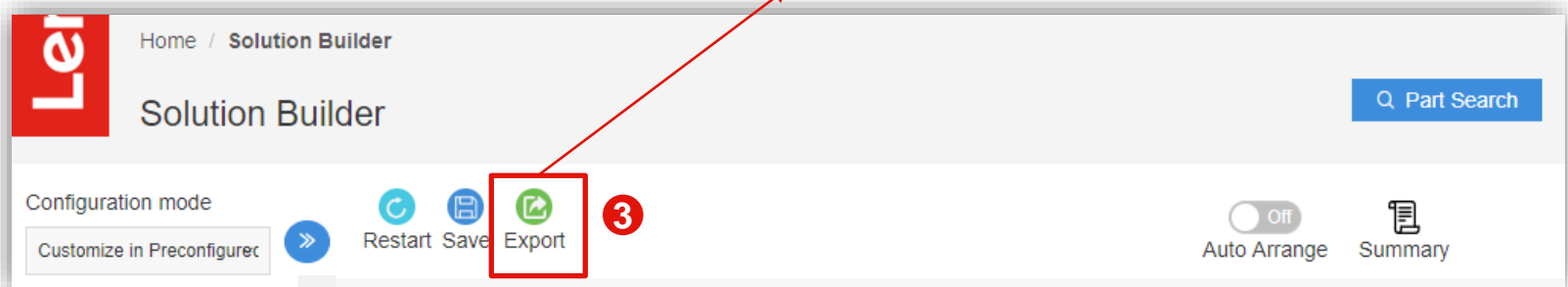
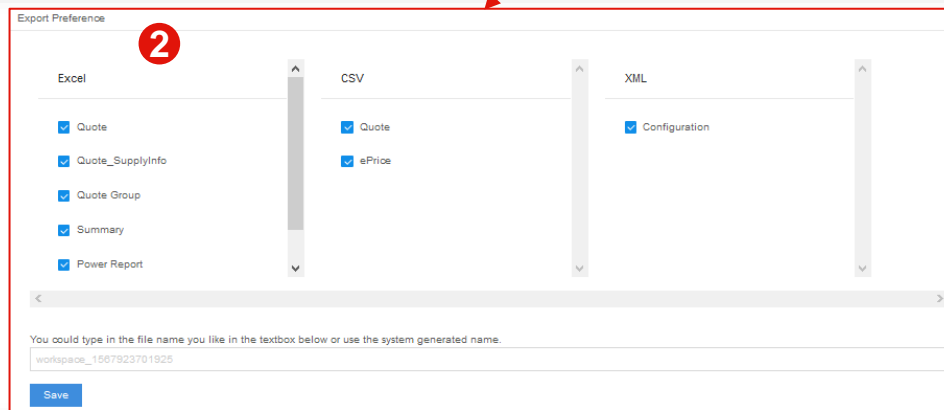
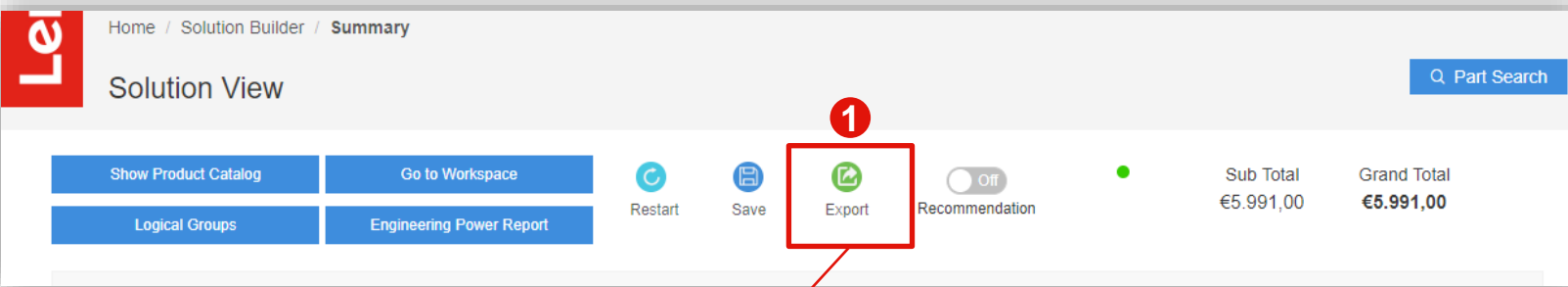
1 On the “Summary” page choose “Export” to generate a ZIP file with the XLS & XML files

- If a CTO config, the ZIP will contain a XLS and XML
- If a Preconfigured model config, the ZIP will contain a XLS, CSV(2) and XML

2 User is able to select the formats to be included in ZIP file before export

3 From the “Workspace” (aka Solution Builder) choose “Export” to generate ZIP file

- If a CTO config, the ZIP will contain a XLS and XML
- If a Preconfigured model config, the ZIP will contain a XLS, CSV(2) and XML



DCSC – Exporting configuration [2/2]

Export General Purpose Solution mode

1 On the “Summary” page choose “Export” to generate a ZIP file with the XLS & XML files

2 User is able to select the formats to be included in ZIP file before export

– New format available for Cluster Solution mode:

- Excel:

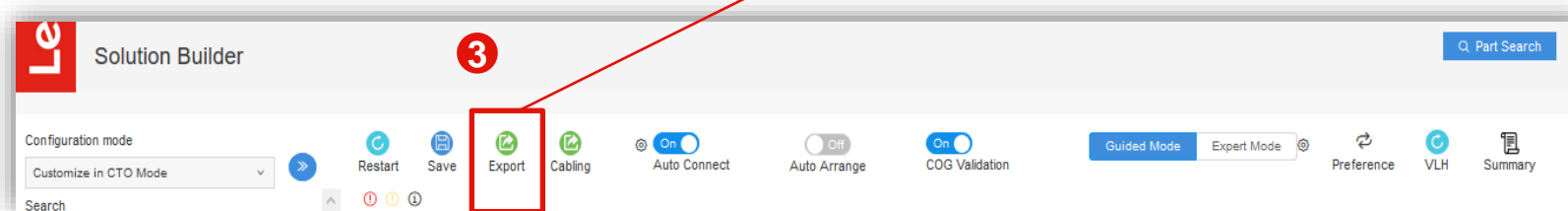
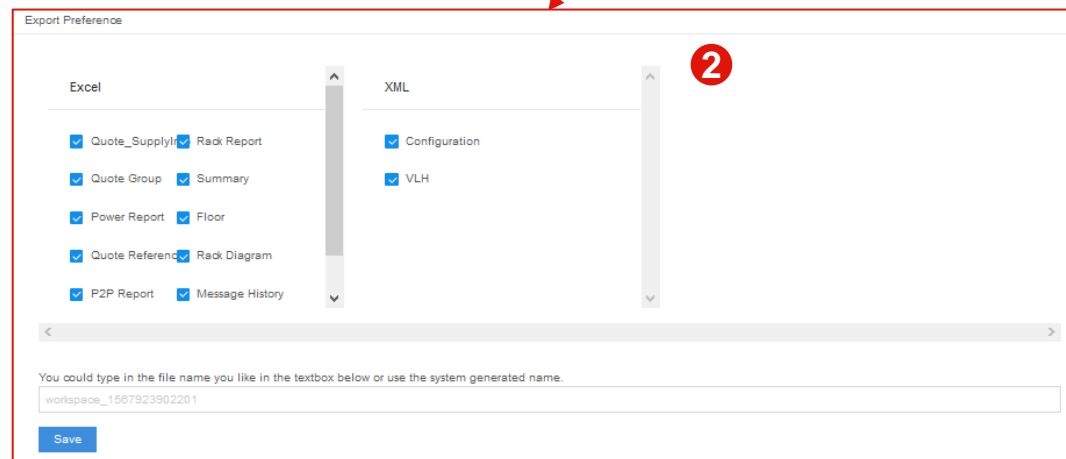
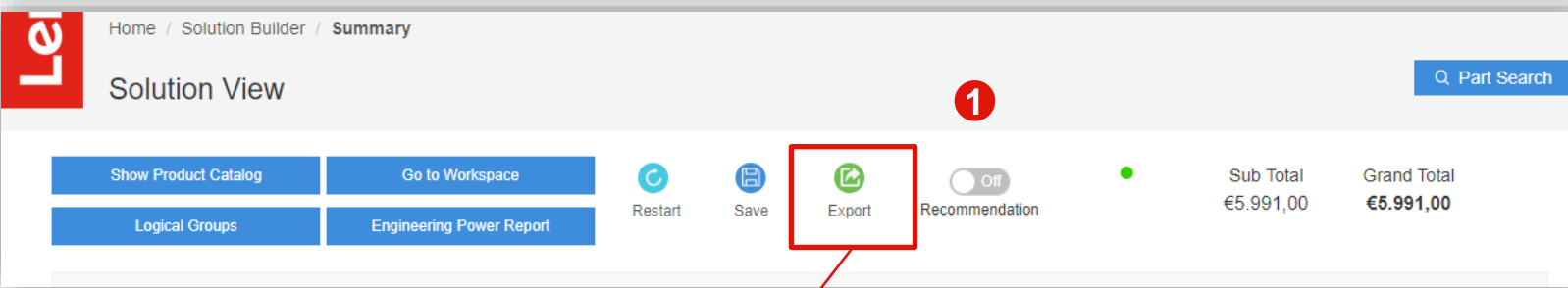
- P2P report
- Floor
- Rack Diagram
- Message History

- XML

- VLH

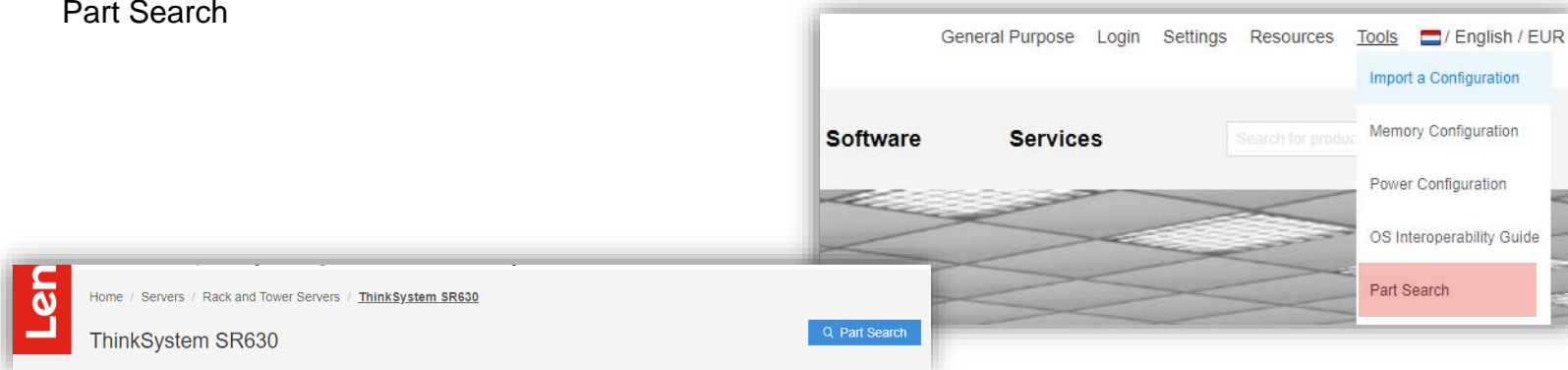
3 From the “Workspace” (aka Solution Builder) choose “Export” to generate ZIP file

– If a CTO config, the ZIP will contain a XLS and XML

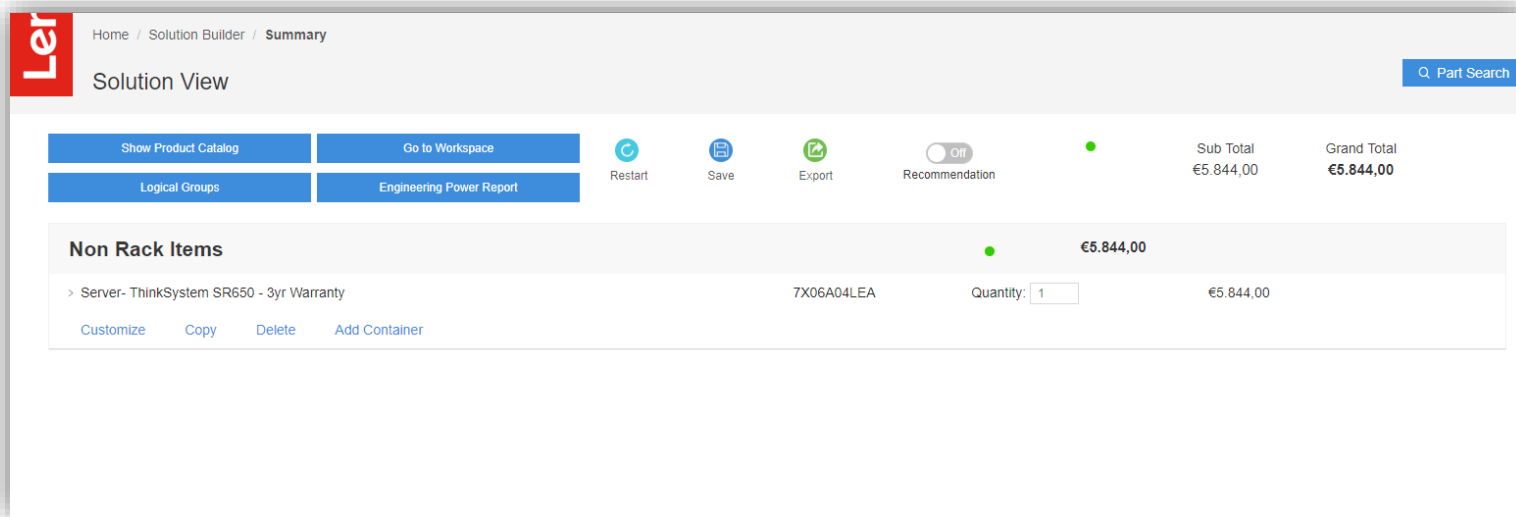


DCSC – Part Search [1/2]

Part Search

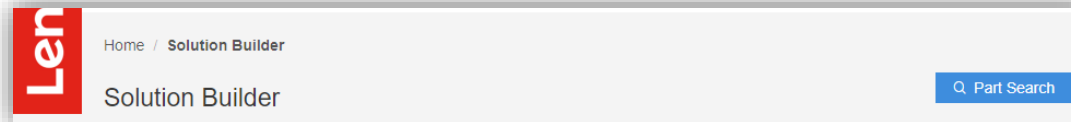


Customize page: <https://dcsc.lenovo.com/#/categories/STG%40Servers%40Rack%20and%20Tower%20Servers%40ThinkSystem%20SR630>



- “Part Search” is used to add standalone options that will not be integrated into a configuration and will be shipped separately
- “Part Search” can be found in many locations in the DCSC

- On the Home Page, you can locate Part Search under the “Tools” menu
- On the Customize Page, “Part Search” will be on the top right
- On the Summary Page (Solution View), “Part Search” will be on the top right
- On the Workspace Page (Solution Builder), “Part Search” will be on the top right



DCSC – Part Search [2/2]

Part Search

The screenshot shows the 'Part Search' window with the search term '730-8i'. The search results table is as follows:

Available Options	Part Number	Description	Supply Status	Price	
Select	4Y37A09722	ThinkSystem RAID 730-8i 2GB Flash PCIe 12Gb Adapter	●	€655,00	Top Choice
Select	4Y37A16226	ThinkSystem SR670 RAID 730-8i 1GB Cache Adapter	●	€450,00	
Select	7Y37A01083	ThinkSystem RAID 730-8i 1GB Cache PCIe 12Gb Adapter	●	€450,00	

Below the search results, the 'Order Items' section shows a summary table:

Order Items	Total Price: €2.204,00
1 x 4Y37A09722 ThinkSystem RAID 730-8i 2GB Flash PCIe 12Gb Adapter	€655,00
1 x 00A4787 2 Year Post Warranty Onsite Repair 24x7 4 Hour Response	€810,00
1 x 01GU569 Windows Svr 2016 Standard ROK (16 core) - MultiLang	€739,00

- Opening “Part Search’ shows a popup
- Narrow the search to deselect “Hardware”, “Software” or “Services”
- Type a search string, e.g. “730-8i” and click on “Search” button.
- Click on “Select” to add to “Order Items”
- Change quantity and select “Add Items”
- All items are placed under “Standalone Items” as:
 - “Hardware”
 - “Software” and/or
 - “Services”

The screenshot shows the 'Solution View' interface with a summary of the order. The 'Standalone Items' section is expanded to show the following items:

Standalone Items	€2.204,00
> Hardware	
> Software	
> Service	

DCSC – Unconfigured tab

Unconfigured

Home / Servers / Rack and Tower Servers / ThinkSystem SR630 / 7X02CT01WW

Customize Page

Base Processors Memory Storage PCI Optical Drive Power Others Value Added Options Services OS & Software **Unconfigured**

Processors Memory Storage PCI Optical Drive Power Others OS & Software Services

Processor

Information
Lenovo processor upgrades are common across multiple systems, and usually need to be purchased with the right fan option (sold separately) in order to be correctly installed in your server.

Enable Extended Lead Time Parts [Show Columns](#) [Collapse All](#)

Qty	Description	Supply Status	Part Number	Feature Code	Price
<input type="text" value="0"/>	ThinkSystem SR630 Intel Xeon Silver 4110 8C 85W 2.1GHz Processor Option Kit Top Choice	●	7XG7A05531	AWEE	€913,00
<input type="text" value="0"/>	ThinkSystem SR530/SR570/SR630 Intel Xeon Silver 4208 8C 85W 2.1GHz Processor Option Kit w/o FAN Top Choice	●	4XG7A37936	B4HT	€800,00
<input type="text" value="0"/>	ThinkSystem SR530/SR570/SR630 Intel Xeon Silver 4210 10C 85W 2.2GHz Processor Option Kit w/o FAN Top Choice	●	4XG7A37933	B4HS	€913,00

- The “Unconfigured” tab provides the same functionality as “Part Search”, options added from the ‘Unconfigured’ tab will be added as Standalone and shipped separately
 - The unconfigured parts added can be found at the bottom of each configuration. Those are not added under the “Standalone Items”.
- The “Unconfigured” is on the Customize page of all products
- This feature was added so that users could add in additional options for “extra” parts on the shelf or for upgrading other existing/install similar products

Beware – with the “Unconfigured” selections you can add in unlimited quantities and parts that may not be compatible for the model you are configuring.

- Unconfigured

Processor

ThinkSystem SR630 Intel Xeon Silver 4110 8C 85W 2.1GHz Processor Option Kit

7XG7A05531

€913,00

99

DCSC – Login Access

Login

- “Login” is used by Lenovo internal use only for access to IAD and other modes of the DCSC
- Enter your IT code (without the @Lenovo.com) and normal password

The screenshot displays the 'Data Center Solution Configurator' interface. At the top left is the 'Lenovo' logo. The main header reads 'Data Center Solution Configurator'. Below this are navigation tabs: 'Servers', 'Storage', 'Networking', 'ON DEMAND Solutions', and 'Services'. In the top right corner, there are three buttons: 'General Purpose', 'Login' (highlighted in red), and 'Settings'. A modal window titled 'USER LOGIN' is centered on the screen. It contains the following elements: a text input field with the value 'cheijkoop', a password input field with masked characters, a 'Verification Code' input field next to a CAPTCHA image showing the code 'D675', and a 'Login' button at the bottom. A red arrow points from the 'Login' button in the top right of the main interface to the 'USER LOGIN' modal title.

DCSC Guided Mode versus Expert Mode [1/3]

- In “Customize” and “Solution Builder” views there are two configuration modes:

1 Guided Mode

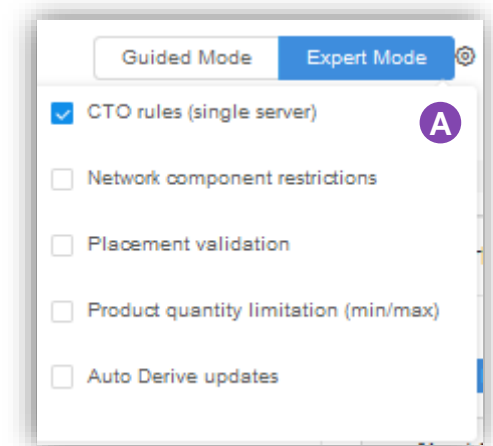
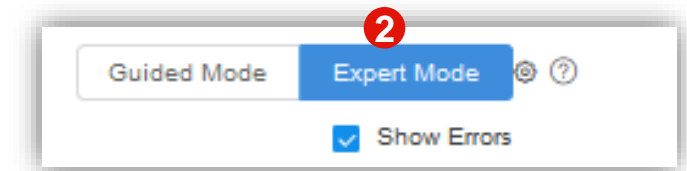
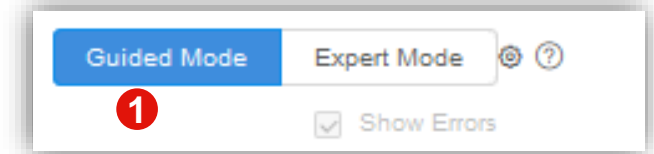
Helps user avoid errors by greying-out and hiding invalid selections as you move from left to right across the tabs.

2 Expert Mode

Keeps all selections available and give the user option to suppress error messages until they are ready to trigger a check.

- A** In Cluster Solution mode user are able to customize the level of rules making a click in settings button; this will help to allow to enable or disable partial rules.

- Click on the exclamation mark to get help



DCSC Guided Mode versus Expert Mode [2/3]

- In “Guided Mode” all rules are completely checked and validated at each change in the config.
 - This will take some time before you can make another change.
- By default “Enable Extended Lead Time Parts” is unchecked to promote selecting Green parts
 - Extended Lead Time Parts will be grayed out
 - Check that option to enable selection of gray parts
- Basic selections are shown

The screenshot displays the DCSC configuration interface for the 'Internal Storage' tab. The 'Enable Extended Lead Time Parts' checkbox is unchecked. A tooltip states: 'Extended lead time parts will be greyed out unless they are enabled with this checkbox.' The interface includes a navigation menu on the left, a main content area with a table header, and a right-hand sidebar with various settings and buttons.

Navigation: Backplane, RAID Type, Controllers, **Internal Storage**

Left Sidebar:

- HDD not in RAID Array
- Security Key Lifecycle Manager for SEDs
- M.2 Enablement

Information:

Note: Hot Spare Applies for selections of RAID 1, 5, 6, and 10. One Hot-Spare can support up to 10 arrays. A hard disk drive, equal to the highest capacity drive in the array(s) will be added. Pricing will be updated when 'Summary' is selected.

Enable Extended Lead Time Parts Show Columns Expand All ?

Qty	Description	Supply Status	Part Number	Feature Code	Price
	Interface: <input type="checkbox"/> PCIe <input type="checkbox"/> SAS <input type="checkbox"/> SATA				

Right Sidebar:

- Voltage: 230V - SinglePhaseAC
- Power Policy: Non-Redundant
- Buttons: Summary, Resource Tracker
- Mode Selection: **Guided Mode** Expert Mode
- Show Errors

DCSC Guided Mode versus Expert Mode [3/3]

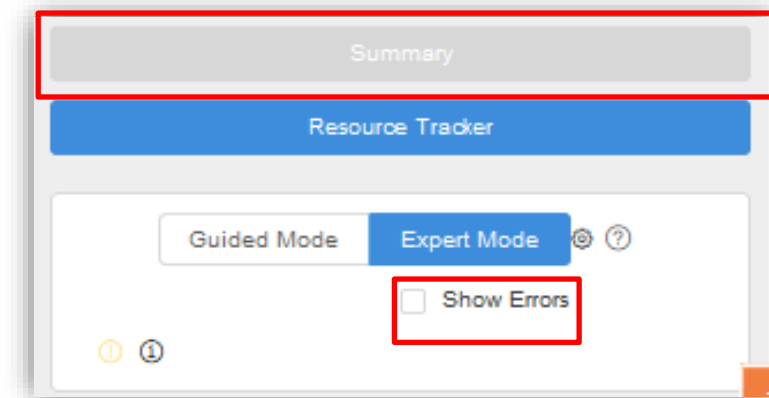
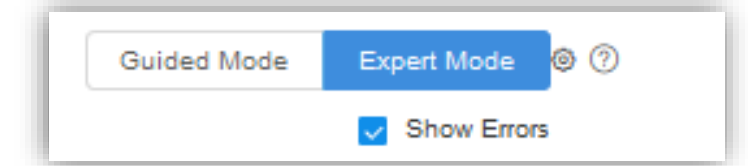
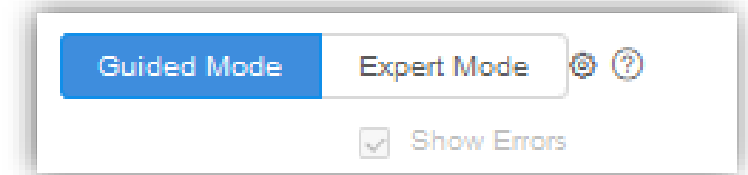
- In “Expert Mode” all rules are completely checked and validated at each change in the config.
 - This will take some time before you can make another change.
- Uncheck “Show Errors” to suppress error messages.
 - The configurator is now much faster.
 - The “Summary” button is disabled
 - Check “Show Errors” to enable “Summary” button and
- The “Enable Extended Lead Time Parts” is checked by default and cannot be unchecked
- All selections are shown

The screenshot displays the DCSC configurator's 'Internal Storage' configuration page. The top navigation bar includes 'Backplane', 'RAID Type', 'Controllers', and 'Internal Storage'. The left sidebar lists various configuration options, including 'HDD not in RAID Array', 'HDD Installation Sequence', 'Hot Spare', 'Primary RAID Level', 'Primary Array HDD', 'Secondary RAID Level', 'Secondary Array HDD', 'Tertiary Raid Level', 'Tertiary Array HDD', 'Security Key Lifecycle Manager for SEDs', 'M.2 Enablement', 'M.2 SSD', and 'VMware Preload'. The main configuration area features an 'Information' section with a note about Hot Spare, a table of HDD options, and filter controls for Interface (PCIe, SAS, SATA), Drive Category (HDD, NVMe, SED, SSD), and Storage Height (LFF, SFF). The table lists three HDD options with columns for Qty, Description, Supply Status, Part Number, Feature Code, and Price. The right sidebar shows 'Voltage: 230V - SinglePhaseAC', 'Power Policy: Non-Redundant', 'Summary' and 'Resource Tracker' buttons, mode selection (Guided Mode, Expert Mode), a checked 'Show Errors' checkbox, 'Configuration Price: €11.058,02', 'Configuration Availability: Supply available', and 'Configuration Tree'.

Qty	Description	Supply Status	Part Number	Feature Code	Price
0	ThinkSystem 3.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD	●	7XB7A00041	AUU4	€397,00
0	ThinkSystem 3.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD	●	7XB7A00040	AUUC	€988,00
0	ThinkSystem 3.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD	●	7XB7A00042	AUU5	€473,00

DCSC Performance

- Focus on each development update and/or added functionality to DCSC is performance
- Guide Mode is the slowest mode when configuring
 - Full rules validation is done at each change that is made in the configuration
- Expert Mode has the same performance as Guide Mode
 - Full rules validation is done at each change that is made in the configuration
- Expert Mode and “Show Errors” OFF is fastest mode
 - NO rules validation is done when making changes
 - All error messages are suppressed
 - Need to check “Show Errors” to validate config and enable “Summary” button
 - Fastest mode



Add LFO to a CTO config

- When you start a CTO configuration and want to add a LFO to it, this is possible by using the “**Part Search**” option at the summary page. Select “**Standalone**” and press “Add Items”.
- That LFO will be added as “**Standalone Items**”

Part Search

Preconfigured CTO

7x06a04lea Search

Hardware Software Service Reset

Available Options

Select	Part Number	Description	Price	Label
	7X06A04LEA	SR650 Xeon Silver 4110 (8C 2.1GHz 11MB Cache/85W) 16GB (1x16GB, 2Rx8 RDIMM), O/B, 930-8i, 1x750W, XCC Enterprise, Toolless Rails, Front VGA	€3,088.00	Top Choice

Order Items

AS CTO Standalone

Part Number	Description	Price
7X06A04LEA	SR650 Xeon Silver 4110 (8C 2.1GHz 11MB Cache/85W) 16GB (1x16GB, 2Rx8 RDIMM), O/B, 930-8i, 1x750W, XCC Enterprise, Toolless Rails, Front VGA	€3,088.00

Total Price: €3,088.00

Cancel Add Items

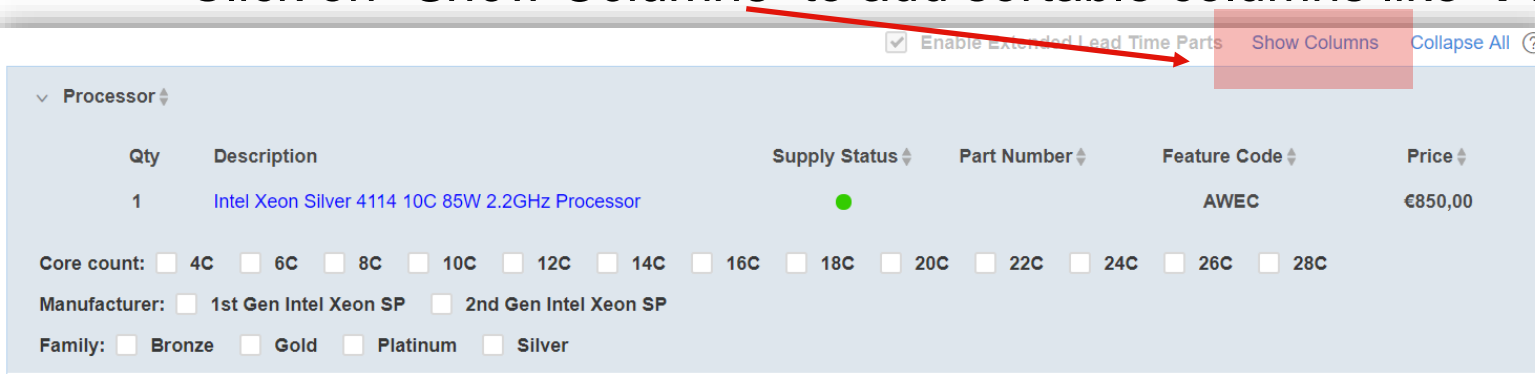
Summary tab
exported XLS

- Works in both DCSC Online & DCSC Offline

7Y94CTO5WW	Server : ThinkAgile VX 2U Node
5374CM1	Configuration Instruction
5374CM1	Configuration Instruction
5374CM1	Configuration Instruction
Standalone Items	
7X06A04LEA	SR650 Xeon Silver 4110 (8C 2.1GHz 11MB Cache/85W) 16GB (

Processor TAB

- A number of changes have been made to better select the correct processor out of a long list.
- Click on “**Core count**”, “**Manufacturer**” and/or “**Family**” to narrow down the list that is displayed.
- Click on “*Show Columns*” to add sortable columns like “**Processor Speed**” and “**Power Usage**”.



Enable Extended Lead Time Parts **Show Columns** Collapse All ?

Processor ▾

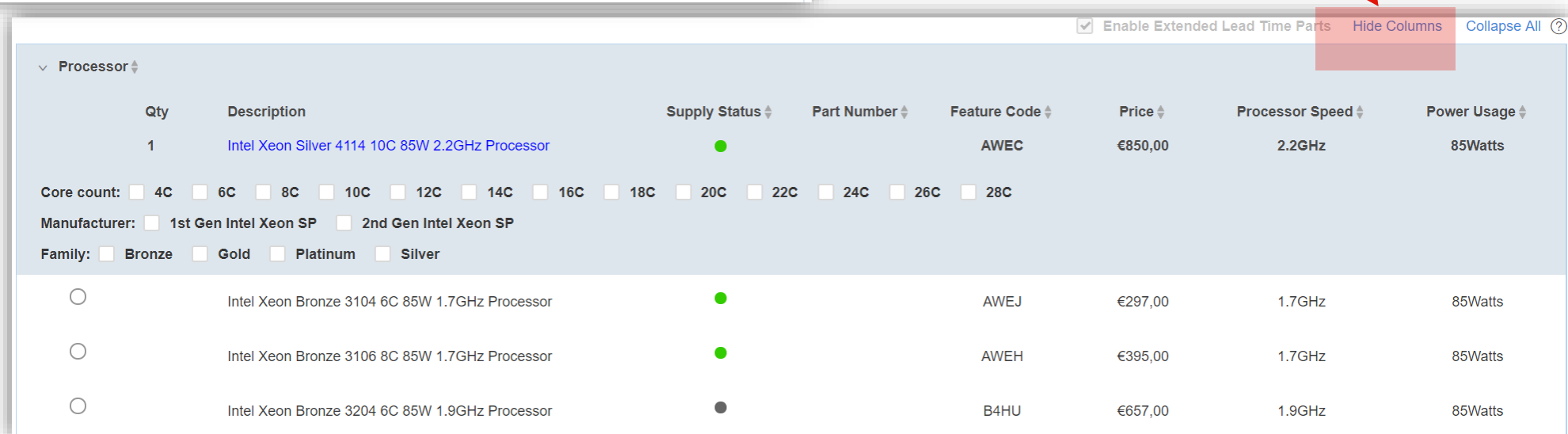
Qty	Description	Supply Status ▾	Part Number ▾	Feature Code ▾	Price ▾
1	Intel Xeon Silver 4114 10C 85W 2.2GHz Processor	●		AWEC	€850,00

Core count: 4C 6C 8C 10C 12C 14C 16C 18C 20C 22C 24C 26C 28C

Manufacturer: 1st Gen Intel Xeon SP 2nd Gen Intel Xeon SP

Family: Bronze Gold Platinum Silver

- Click on “*Hide Columns*” to return to previous state / view



Enable Extended Lead Time Parts **Hide Columns** Collapse All ?

Processor ▾

Qty	Description	Supply Status ▾	Part Number ▾	Feature Code ▾	Price ▾	Processor Speed ▾	Power Usage ▾
1	Intel Xeon Silver 4114 10C 85W 2.2GHz Processor	●		AWEC	€850,00	2.2GHz	85Watts
<input type="radio"/>	Intel Xeon Bronze 3104 6C 85W 1.7GHz Processor	●		AWEJ	€297,00	1.7GHz	85Watts
<input type="radio"/>	Intel Xeon Bronze 3106 8C 85W 1.7GHz Processor	●		AWEH	€395,00	1.7GHz	85Watts
<input type="radio"/>	Intel Xeon Bronze 3204 6C 85W 1.9GHz Processor	●		B4HU	€657,00	1.9GHz	85Watts

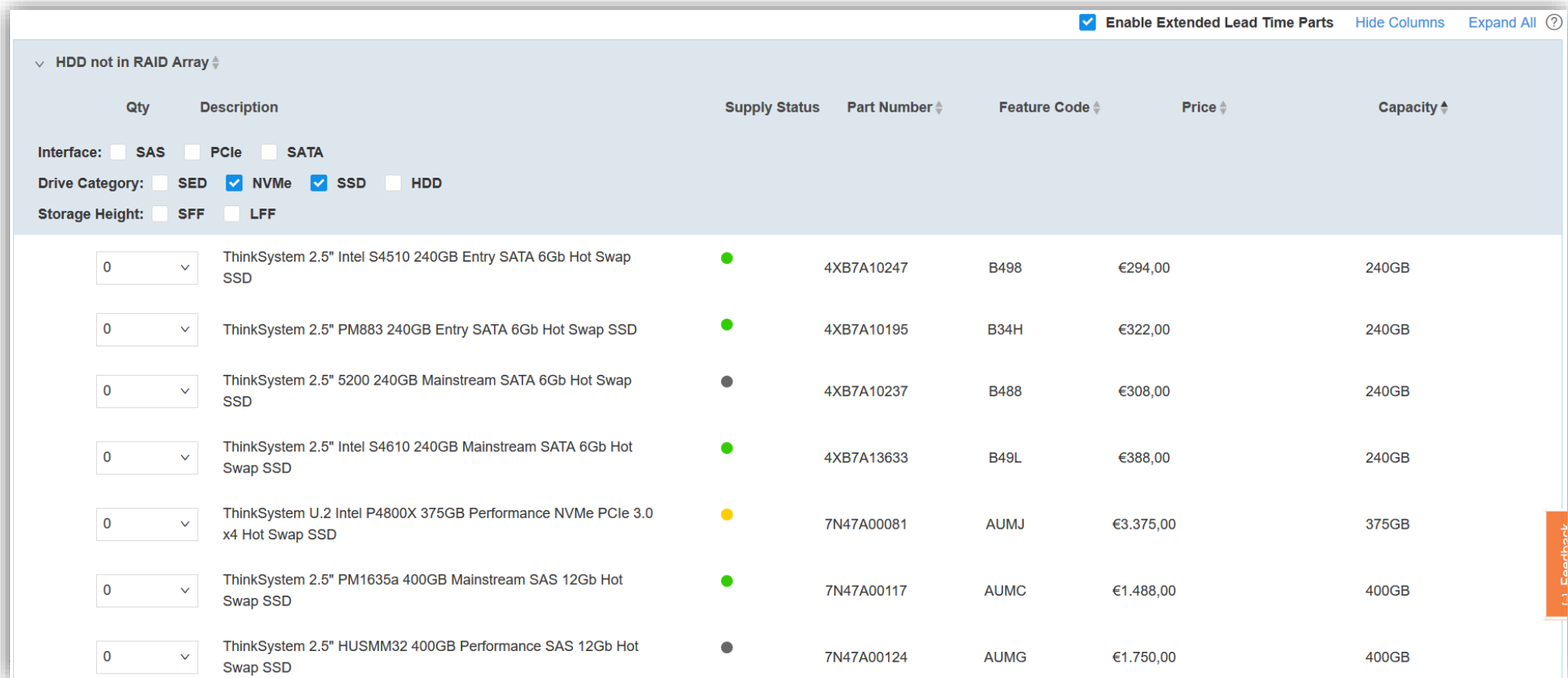
Core count: 4C 6C 8C 10C 12C 14C 16C 18C 20C 22C 24C 26C 28C

Manufacturer: 1st Gen Intel Xeon SP 2nd Gen Intel Xeon SP

Family: Bronze Gold Platinum Silver

Internal Storage TAB

- A number of changes have been made to better select a storage device out of a long list.
- Click on “**Interface**”, “**Drive Category**” and/or “**Storage Height**” to narrow down the displayed list.
- Click on “**Show Columns**” to add an sortable column “**Capacity**”.
- Click on “**Hide columns**” to return to previous state / view



The screenshot displays a web interface for selecting internal storage. At the top right, there are links for "Enable Extended Lead Time Parts", "Hide Columns", and "Expand All". Below this is a filter section with the following options:

- Interface: SAS PCIe SATA
- Drive Category: SED NVMe SSD HDD
- Storage Height: SFF LFF

The main table has the following columns: Qty, Description, Supply Status, Part Number, Feature Code, Price, and Capacity. The table contains 7 rows of data:

Qty	Description	Supply Status	Part Number	Feature Code	Price	Capacity
0	ThinkSystem 2.5" Intel S4510 240GB Entry SATA 6Gb Hot Swap SSD	●	4XB7A10247	B498	€294,00	240GB
0	ThinkSystem 2.5" PM883 240GB Entry SATA 6Gb Hot Swap SSD	●	4XB7A10195	B34H	€322,00	240GB
0	ThinkSystem 2.5" 5200 240GB Mainstream SATA 6Gb Hot Swap SSD	●	4XB7A10237	B488	€308,00	240GB
0	ThinkSystem 2.5" Intel S4610 240GB Mainstream SATA 6Gb Hot Swap SSD	●	4XB7A13633	B49L	€388,00	240GB
0	ThinkSystem U.2 Intel P4800X 375GB Performance NVMe PCIe 3.0 x4 Hot Swap SSD	●	7N47A00081	AUMJ	€3.375,00	375GB
0	ThinkSystem 2.5" PM1635a 400GB Mainstream SAS 12Gb Hot Swap SSD	●	7N47A00117	AUMC	€1.488,00	400GB
0	ThinkSystem 2.5" HUSMM32 400GB Performance SAS 12Gb Hot Swap SSD	●	7N47A00124	AUMG	€1.750,00	400GB

Supply Status

Lenovo

Supply Status Initial Color - LFO

Product / Catalog View

- Supply healthy level will display as Blue/Green/Yellow/Gray color in “**Supply Status**” column
- “**Supply Status**” column is a sortable column to filter healthy supply.
- Hover on the “**Supply Status**” color (which indicated the first 4 weeks), and a detailed 1~13week supply status color and description appears

10 / page v

ACTION	Supply Status	Processor/Speed	Number of Processors
Customize 7X06A03XSG	●	Intel Xeon Gold 6130 16C 2.1GHz/ 2.1GHz	1/2
Customize 7X06A03USG	●	Intel Xeon Gold 6140 18C 2.3GHz/ 2.3GHz	1/2
Customize 7X06A03VSG	●	Intel Xeon Gold 6152 22C 2.1GHz/ 2.1GHz	1/2
Customize 7X06A03FSG	●	Intel Xeon Gold 5115 10C 2.4GHz/ 2.4GHz	1/2
Customize 7X06A03TSG	●	Intel Xeon Gold 6148 20C 2.4GHz/ 2.4GHz	1/2

10 / page v

ACTION	Supply Status	Processor/Speed	Number of Processors
Customize 7X08A022EA	●	Intel Xeon Bronze 3104 6C 1.7GHz/ 1.7GHz	1/2
Customize 7X08A01WEA			
Customize 7X08A01VEA			
Customize 7X08A029EA			

Week	Color	Description
4 Weeks	●	Supply available
W1	●	Supply available
W2	●	Supply available
W3-4	●	Supply available
W5-8	●	Supply available
W9-13	●	Supply available

Note: Based on inventory available from Lenovo only

Based on inventory from Lenovo only

Supply Status Initial Color – FC / Option

Customize View

- Supply healthy level will display as Blue/Green/Yellow/Gray color in “**Supply Status**” column
- “**Supply Status**” column is a sortable column to filter healthy supply.
- Hover on the “**Supply Status**” color (which indicated the first 4 weeks), and a detailed 1~13week supply status color and description appears

The screenshot shows a web interface for managing supply status. At the top, there are checkboxes for "Enable Extended Lead Time Parts" and a "Show Columns" link. Below this is a table with columns for "Qty", "Description", "Supply Status", "Part Number", and "Feature Code". The "Supply Status" column is highlighted with a red box. A tooltip is displayed over the green dot in the "Supply Status" column of the first row, showing a detailed view of the supply status for the first 4 weeks. The tooltip has columns for "Week", "Color", and "Description". The data in the tooltip is as follows:

Week	Color	Description
4 Weeks	●	Supply available
W1	●	Supply available
W2	●	Supply available
W3-4	●	Supply available
W5-8	●	Supply available
W9-13	●	Supply available

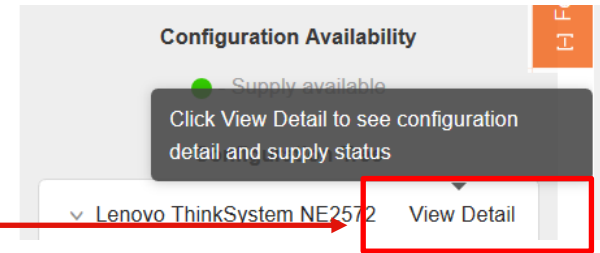
At the bottom of the tooltip, there is a note: "Note: Based on inventory available from Lenovo only".

**Based on
inventory from
Lenovo only**

Supply Status – View Detail - LFO

Customize View

- At the customize view click on “View Detail” to get a popup window
- “**Supply Status**” column shows current status without having to go to each of the tabs to see it.
- The colored lines also tells you what has been **manually add** and what is added as **Unconfigured**



7159E1X

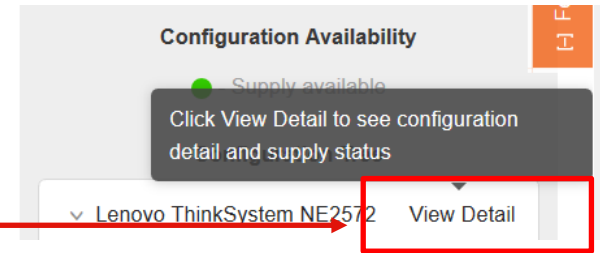
switch manually add Unconfigured

Description	Part Number	Unit Price	Quantity	Total Price	Supply Status
Lenovo RackSwitch 25G/100G	7159E1X	€13.450,00	1	€13.450,00	●
Lenovo ThinkSystem NE2572 RackSwitch (Rear to Front)(Standard)			1		
EMEA Hardware Basic Installation Server Standard Business Hours - IP1	5AS7A02119	€295,00	1	€295,00	
Premier with Essential - 3Yr 24x7 4Hr Response	5WS7A06889	€1.919,00	1	€1.919,00	

Supply Status – View Detail – CTO

Customize View

- At the customize view click on “View Detail” to get a popup window
- “**Supply Status**” column shows current status without having to go to each of the tabs to see it.




7159HE3						×
Description	Feature Code	Unit Price	Quantity	Total Price	Supply Status	
Lenovo ThinkSystem NE2572 RackSwitch (Rear to Front)	AV19	€13.450,00	1	€13.450,00	●	
1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	6201	€24,00	2	€48,00	●	
Premier with Essential - 3Yr 24x7 4Hr Response	5WS7A06889	€1.919,00	1	€1.919,00		
EMEA Hardware Basic Installation Server Standard Business Hours - IP1	5AS7A02119	€295,00	1	€295,00		

Supply Status – Summary - LFO

Summary page

- At the summary page click on the line “Switch” to see details **1**
- And then click on “**Supply Status**” to add supply status to each line item. **2**
 - Supply Status is not shown by default
- A LFO only has a few lines

Non Rack Items		€15.664,00			
1 ▼ Switch- Lenovo ThinkSystem NE2572 RackSwitch (Rear to Front)	7159E1X	Quantity: <input type="text" value="1"/> €15.664,00			
Customize Copy Delete Add Container					
Description	2 Supply Status	Part Number / Feature Code	Unit Price	Quantity	Price
Lenovo RackSwitch 25G/100G		7159E1X	€13.450,00	1	€13.450,00
Comes with:					
Lenovo ThinkSystem NE2572 RackSwitch (Rear to Front)(Standard)				1	
You will have to manually add:					
EMEA Hardware Basic Installation Server Standard Business Hours - IP1		5AS7A02119	€295,00	1	€295,00
Premier with Essential - 3Yr 24x7 4Hr Response		5WS7A06889	€1.919,00	1	€1.919,00

Supply Status – Summary - CTO

Summary page

- At the summary page click on the line “Switch” to see details **1**
- And then click on “**Supply Status**” to add supply status to each line item. **2**
 - Supply Status is not shown by default
- A CTO can have a lot of lines based of added FC / Options

Non Rack Items		●	€15.712,01			
1	▼ Switch- Lenovo ThinkSystem NE2572 RackSwitch (Rear to Front)	7159HE3	Quantity: <input type="text" value="1"/>	€15.712,01		
Customize Copy Delete Add Container						
Description		2 Supply Status	Part Number / Feature Code	Unit Price	Quantity	Price
Base						
Lenovo ThinkSystem NE2572 RackSwitch (Rear to Front)		●	AV19	€13.450,00	1	€13.450,00
Rack Power Cable						
1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable		●	6201	€24,00	2	€48,00
Essential						
Premier with Essential - 3Yr 24x7 4Hr Response			5WS7A06889	€1.919,00	1	€1.919,00
Foundation Recommended						
EMEA Hardware Basic Installation Server Standard Business Hours - IP1			5AS7A02119	€295,00	1	€295,00

Supply Status – “Part Search”

- From the homescreen of DCSC click on menu TOOLS, “Part Search”
- Type in an Option part number e.g. “NVIDIA” and press on “Search”. ①
- A list of options is displayed. The “Supply Status” is shown as a DOT (initial color = 4weeks supply). ②
- Click “Select” to add it to “Order Items”. ③
- Perhaps change quantity ④
- Then click “Add Items” ⑤
- The options are displayed in the “Standalone Items”, “Hardware”, “Software” and/or “Services” section including “Supply Status”. ⑥

Part Search

Preconfigured CTO

NVIDIA Search

Hardware Software Service

Reset

Available Options

Select	Code	Description	Supply Status	Price
Select	7C57A02892	ThinkSystem NVIDIA Tesla P4 8GB PCIe Passive GPU	●	€4.313,00
Select	90Y2495	NVIDIA Quadro M6000 24GB GPU, PCIe (active)		
Select	00YL370	NVIDIA Quadro K420 GPU, PCIe (active)		
Select	00YL372	NVIDIA Quadro K2200 GPU, PCIe (active)		
Select	00YL377	NVIDIA Tesla M60 GPU, PCIe (active)		

Order Items

Quantity	Code	Description
1	7C57A02892	ThinkSystem NVIDIA Tesla P4 8GB PCIe Passive GPU

4 Weeks ● Supply available

W1 ● Supply available

W2 ● Supply available

W3 ● Supply available

W5-8 ● Supply available

W9-13 ● Supply available

Note: Based on inventory available from Lenovo only

Add Items

Standalone Items €4.313,00

Hardware

Description	Part Number	Product Code	Supply Status	Unit Price	Quantity	Price
ThinkSystem NVIDIA Tesla P4 8GB PCIe Passive GPU	7C57A02892		●	€4.313,00	1	€4.313,00

Gray out unhealthy part numbers

- Guided Mode
 - Gray out unhealthy parts (Gray) as default
 - Green on top
 - Check “Enable Extended Lead Time Parts” will enable gray parts as selectable

Guided Mode

Enable Extended Lead Time Parts

Qty	Description	Supply Status	Part Number	Feature Code	Price
0	ThinkSystem 2.5" PM1635a 400GB Mainstream SAS 12Gb Hot Swap SSD	●	7N47A00117	AUMC	€1,488.00
0	ThinkSystem 2.5" PM1645 800GB Mainstream SAS 12Gb Hot Swap SSD	●	4XB7A13653	B4A0	€2,125.00
0	ThinkSystem 2.5" PM1645 1.6TB Mainstream SAS 12Gb Hot Swap SSD	●	4XB7A13654	B4A1	€2,515.00
0	ThinkSystem 2.5" PM1645 3.2TB Mainstream SAS 12Gb Hot Swap SSD	●	4XB7A13655	B4A2	€4,249.00
0	ThinkSystem 2.5" PM1643 3.84TB Capacity SAS 12Gb Hot Swap SSD	●	4XB7A13645	B4A7	€4,708.00
0	ThinkSystem 2.5" PM1643 7.68TB Capacity SAS 12Gb Hot Swap SSD	●	4XB7A13646	B4A6	€8,113.00

Configuration Price: €9.573,02

Configuration Availability: ● Supply available

Configuration Tree: ThinkSystem ST550 - 3yr Warranty

- Expert Mode
 - Display all parts as default
 - All parts can be selected

Expert Mode

Enable Extended Lead Time Parts

Qty	Description	Supply Status	Part Number	Feature Code	Price
0	ThinkSystem 2.5" PM1635a 400GB Mainstream SAS 12Gb Hot Swap SSD	●	7N47A00117	AUMC	€1,488.00
0	ThinkSystem 2.5" PM1645 800GB Mainstream SAS 12Gb Hot Swap SSD	●	4XB7A13653	B4A0	€2,125.00
0	ThinkSystem 2.5" PM1645 1.6TB Mainstream SAS 12Gb Hot Swap SSD	●	4XB7A13654	B4A1	€2,515.00
0	ThinkSystem 2.5" PM1645 3.2TB Mainstream SAS 12Gb Hot Swap SSD	●	4XB7A13655	B4A2	€4,249.00
0	ThinkSystem 2.5" PM1643 3.84TB Capacity SAS 12Gb Hot Swap SSD	●	4XB7A13645	B4A7	€4,708.00
0	ThinkSystem 2.5" PM1643 7.68TB Capacity SAS 12Gb Hot Swap SSD	●	4XB7A13646	B4A6	€8,113.00

Configuration Price: €9.573,02

Configuration Availability: ● Supply available

Configuration Tree: ThinkSystem ST550 - 3yr Warranty

- This has been added to promote Green part number selection

Supply Risk Alert

- Hover on “Supply Status” color to see detailed 13week supply availability with description
- Highlight **Special “Supply Status”** with alert message as below sample.



The screenshot shows a product configurator interface with several components and their supply status pop-ups:

- Intel Xeon Processor E3-1240 v6 4C/ 3.7GHz**: 1/2, 16GB/64GB/Tr. Supply status: Readily available supply (blue dot).
- ThinkSystem 2.5" Intel S4600 1.92TB Mainstream SATA 6Gb Hot Swap SSD (Withdraws on 2019-02-28)**: 7SD7A05720, B0ZS. Supply status: EOL soon, limited supply availability (green dot).
- ThinkSystem 2.5" PM1633a 3.84TB Capacity SAS 12Gb Hot Swap SSD**: Supply status: EOL soon, limited supply availability (green dot).
- ThinkSystem 2.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD**: Supply status: EOL soon, limited supply availability (green dot).
- ThinkSystem Emulex LPe32002-M2-L PCIe 32Gb 2-Port SFP+ Fibre Channel Adapter**: 7ZT7A00519, AUNV. Supply status: Readily available supply (blue dot).
- ThinkSystem QLogic QLE2740 PCIe 32Gb 1-Port SFP+ Fibre Channel Adapter**: Supply status: Readily available supply (blue dot).

Each pop-up includes a 13-week supply availability table:

Week	Color	Description
4 Weeks	Yellow	Limited supply availability
W1	Grey	Buy to order material, only purchasing supply when requested
W2	Grey	Buy to order material, only purchasing supply when requested
W3-4	Yellow	Limited supply availability
W5-8	Yellow	Limited supply availability
W9-13	Yellow	Limited supply availability

Note: Based on inventory available from Lenovo only

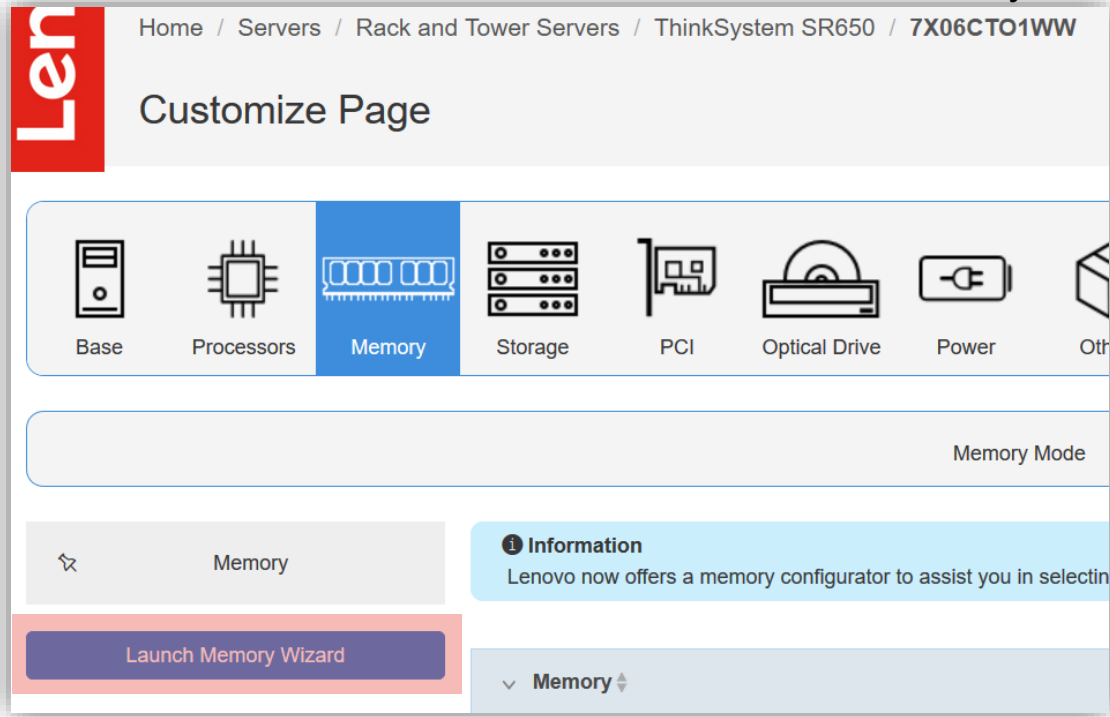
Memory Wizard

Lenovo

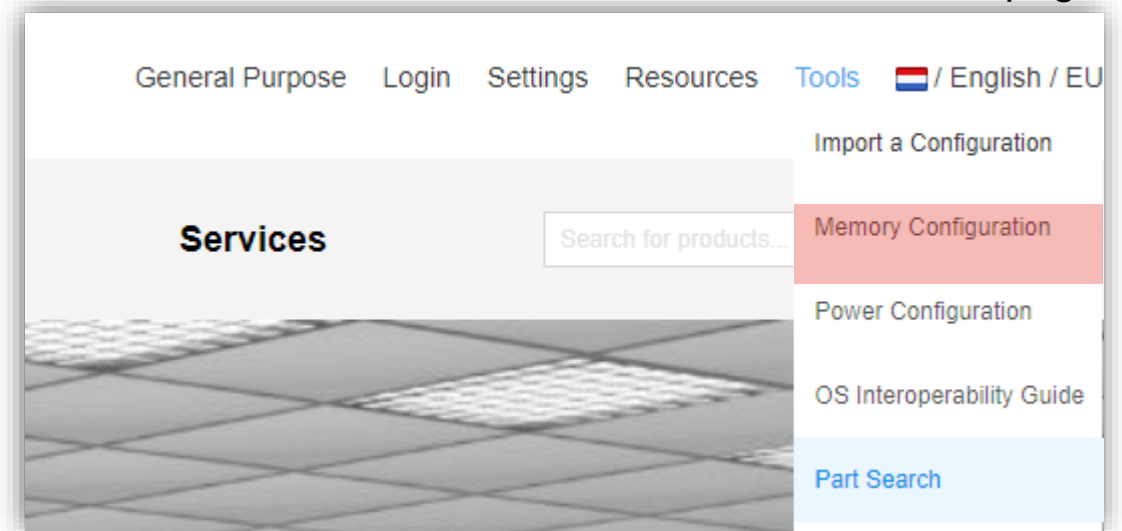
Memory Wizard [1/6]

- Click on “Launch Memory Wizard” from memory tab in customize view. Step 1
- “Memory Configuration” link (https://dcsc.lenovo.com/#/memory_configuration) can also be found in the “TOOLS” menu in DCSC Online & Offline and uses different steps explained further in this presentation.

Customize view, “Memory” tab



DCSC Tools Menu on homepage



Memory Wizard [2/6]

Step 2 - Select configuration priority

Performance: Settings that are weighted for memory performance rather than price or efficiency.

Price: Settings that are weighted for memory price rather than performance.

Custom: User can select the weighting values for both performance and price to determine the right configuration.

Performance:50 Price:50

Step 3 - Enter desired system memory

Please enter desired memory in Gigabytes.

Persistent Memory (non-volatile) ?

Main Memory GB

App Direct Mode memory GB

Total Memory Capacity GB

Previous Next Cancel

Advanced Options

Allow Intel Optane DC Persistent Memory to be used as Main Memory ?

Persistent Memory used as Main Memory to DDR4 Cache

High - 4:1 Low - 12:1

Standard - 8:1 Lowest - 16:1

Reset

Intel Optane DC Persistent MM (DCPMM) is enabled on Lenovo ThinkSystems with select processors. Persistent Memory can be configured to function as main memory, App-direct mode or a mix of both. As Main Memory, the DCPMM uses DDR4 DIMMs as Cache. Data written to DCPMM is lost on reset or power cycle. In App-direct mode the data written to DCPMM is persistent across power cycle. DCPMM does not require backup power for persistency. Mixed mode support both Volatile and persistent memory operation.

- Started “Memory Wizard” from memory tab in customize view.
 - Step 1 is not needed as you started the wizard from customize view
- Step 2 is to select configuration priority based on “Performance”, “Price” or “Custom”
- Step 3 select total amount of memory needed in the server
 - The CPU chosen (Silver, Gold, Platinum) in the customize view of the model sets the total addressable memory per socket
- Click checkbox “Allow Intel Optane DC Persistent Memory to be used as Main Memory” if you want to add Intel Optane DC Persistent memory

Additional information on how to do proper sizing can be found @ Lenovopress:

- Intel Xeon Scalable Family Balanced Memory Configurations: <https://lenovopress.com/lp0742-intel-xeon-scalable-family-balanced-memory-configurations>
- Balanced Memory Configurations with Second-Generation Intel Xeon Scalable Processors: <https://lenovopress.com/lp1089-balanced-memory-configurations-xeon-scalable-gen-2>

Memory Wizard [3/6]

Step 2 - Select configuration priority

- Performance: Settings that are weighted for memory performance rather than price or efficiency.
- Price: Settings that are weighted for memory price rather than performance.
- Custom: User can select the weighting values for both performance and price to determine the right configuration.



Step 3 - Enter desired system memory

Please enter desired memory in Gigabytes.

Persistent Memory (non-volatile) ?

Main Memory

1280 GB
896 GB
960 GB
1024 GB
1088 GB
1152 GB
1216 GB
1280 GB
1408 GB

Next Cancel

Advanced Options

Allow Intel Optane DC Persistent Memory to be used as Main Memory ?

Persistent Memory used as Main Memory to DDR4 Cache

- High - 4:1
- Low - 12:1
- Standard - 8:1
- Lowest - 16:1

Reset

- Started “Memory wizard for a SR650 with 1 x Intel Xeon Platinum 8260L CPU
- Selected “Allow Intel Optane DC”
- Selected 1280 GB as Main Memory
- Click on “Next”

Memory Wizard [4/6]

Memory Options for *ThinkSystem SR650*

Option 1 Balanced €48.370,00

2933 3DS. Supports Chipkill for additional memory reliability. Supports Adaptive Double Device Data Correction.

Channel	Slot 1	Slot 2
1	128GB 4R	128GB 4R
2	128GB 4R	128GB 4R
3	128GB 4R	0GB
4	128GB 4R	128GB 4R
5	128GB 4R	128GB 4R
6	128GB 4R	0GB

Main Available expandability: 1376GB
Persistent Available expandability: 0GB

Memory Optimization
★★★★★

Select

Option 2 Balanced €48.370,00

Performance+ 3DS. Supports Chipkill for additional memory reliability. Supports Adaptive Double Device Data Correction.

Channel	Slot 1	Slot 2
1	128GB 4R	128GB 4R
2	128GB 4R	128GB 4R
3	128GB 4R	0GB
4	128GB 4R	128GB 4R
5	128GB 4R	128GB 4R
6	128GB 4R	0GB

Main Available expandability: 1376GB
Persistent Available expandability: 0GB

Memory Optimization
★★★★★

Select

Option 3 Balanced €71.380,00

2666 3DS. Supports Chipkill for additional memory reliability. Supports Adaptive Double Device Data Correction.

Channel	Slot 1	Slot 2
1	128GB 8R	128GB 8R
2	128GB 8R	128GB 8R
3	128GB 8R	0GB
4	128GB 8R	128GB 8R
5	128GB 8R	128GB 8R
6	128GB 8R	0GB

Main Available expandability: 1376GB
Persistent Available expandability: 0GB

Memory Optimization
★★★☆☆

Select

- Choose correct Memory Option
- Options can be “Balanced”, “Near-balanced” or “Unbalanced”
- Choose option depending on expandability both for Main Memory as for Persistent Memory
- Click on “Select’ and on “Next” to go to the next step
- In this example we choose Option 1

Memory Wizard [5/6]

Memory Configuration for ThinkSystem SR650

Option 1 - €48.370,00


CPU 1: 10 x 128G 2933 3DS 4R

	CPU1
S1	128G 2933 3DS 4R
S2	128G 2933 3DS 4R
S3	128G 2933 3DS 4R
S4	128G 2933 3DS 4R
S5	128G 2933 3DS 4R
S7	128G 2933 3DS 4R
S8	128G 2933 3DS 4R
S9	128G 2933 3DS 4R
S10	128G 2933 3DS 4R
S11	128G 2933 3DS 4R


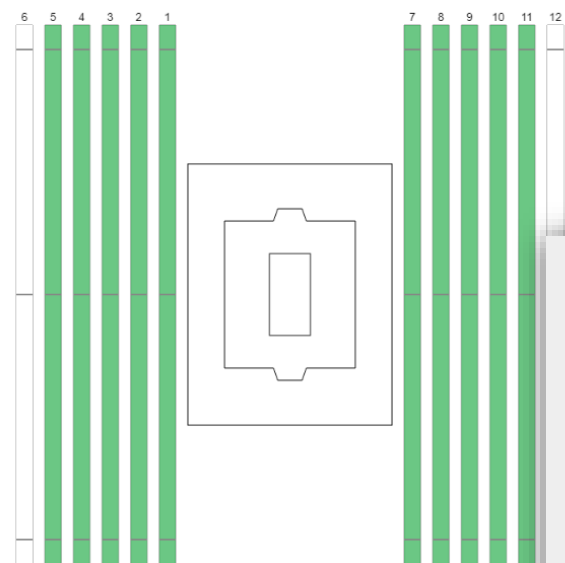
Memory Required: 1280GB

Feature Code	Description	Quantity
B587	ThinkSystem 128GB TruDDR4 2933MHz (4Rx4 1.2V) 3DS RDIMM	10

Requested Configuration

Performance: 80  Price: 20

Priority: Performance



Memory Tracker

ThinkSystem SR650

Server Capacity

Number of CPU(s): 2
Memory DIMM Slots: 24
Maximum Server Memory: 9TB

Configuration

Existing Processors: 1
Existing System Memory: 0GB
Main Memory: 1280GB
Persistent Application Memory: 0GB
Priority: Performance

- Get a graphical view of how the memory will be installed
 - Displayed for one socket (CPU 1)
 - Including “Memory Tracker”
- Check and if OK, click on “Order” to add this memory configuration to the model you are configuring
- Choose “Previous” to go to the previous step.
- Choose “Start Over” to restart Memory configuration
- Choose “Cancel” to return to Customize view without configuring memory

Memory Wizard [6/6]

- Start “Memory Wizard from “Memory Configurator” link (https://dcsc.lenovo.com/#/memory_configuration) in “Tools” menu
- Step 1 select server, specify processor, specify amount of memory already in the server and click on “Next”

Step 1 - Select the server type

Rack and Tower Servers

Mission-Critical

Blades

High-Density

OR

Enter a Configuration-to-Order Model

Machine Type Model

Step 2 - Select configuration priority

Performance: Settings that are weighted for memory performance rather than price or efficiency.

Price: Settings that are weighted for price or efficiency.

Custom: User can select the weights for performance, price or efficiency.

Memory Options for ThinkSystem SR650

Option 1 Near-Balanced €8.430,00

This configuration is outside of the original request range. Additional 32GB added. Lenovo recommends a balanced configuration for ThinkSystem SR650.

RDIMM.

Channel	Slot 1	Slot 2
1	32GB 2R	16GB 2R
2	32GB 2R	
3	32GB 2R	
4	32GB 2R	
5	32GB 2R	
6	32GB 2R	

Available expandability: 288GB

Memory Options

Option 2 Balanced €7.440,00

RDIMM. Supports Chipkill for additional memory reliability. Supports Adaptive Double Device Data Correction.

Channel	Slot 1	Slot 2
1	32GB 2R	32GB 2R
2	32GB 2R	32GB 2R

* How many processors

Specify processor

Does the server have memory

Specify memory

Reset Next

Step 3 - Enter desired memory in GiB

Please enter desired memory in GiB

Persistent Memory (non-volatile)

- Step 2 and step 3 are the same as starting Memory wizard from customize view (Memory Wizard pages 2 to 4)

- On the “Memory Configuration” the buttons “Order” and “Cancel” have been replaced by “Export”.
- Clicking on “Export” will export the memory configuration to a XLS file

Memory Configuration for ThinkSystem SR650

Option 2 - €7.440,00

CPU 1: 8 x 32G RDIMM 2R

	CPU1
S1	32G RDIMM 2R
S2	32G RDIMM 2R

Lenovo Recommended

★★★★

6 5 4 3 2 1

Previous Start Over Export

thanks.

Lenovo