

Cisco Integrated System for Microsoft Azure Stack Sizing and Order Process Guide

Oct 3, 2017

Version 1.4



Azure Stack: How to Quote Summary?

Things to Know

- Azure Stack is sold as an appliance
- · You cannot reuse existing equipment
- · Cisco Advanced Services Installation and Solution Support are mandatory and included in the quote
 - · Initially, a Statement of Work per customer is required while the price will be fixed
 - A fixed priced SKU will be added in approximately two months
- Microsoft Azure Stack is not available in all countries this is a Microsoft restriction so there is a compliance hold
- Cisco Solutions Support is required and configs have 12 month 24 X 7 X4 as default. Sales can adjust this 24 or 36+ months etc. A term of less than 12 months is not supported.



Azure Stack: How to Quote Summary?

How to quote:

- 1. In CCW Choose either "Config to order" or "Fixed Bundled" option Small, Medium, Large
- 2. If "Config to order" select:
 - Number of nodes
 - Type of processor 6 choices
 - Memory size -3 sizes
- 3. If "Fixed Bundled" option select
 - Number of nodes (no other changes allowed)
- 4. Clear Compliance Hold with SAC
 - MSFT Country Support
 - Cisco AS inclusion non discountable
 - Cisco Solution Support on all System Components (Nexus 93180m Nexus 2232, FI 6332, C240 M4)
 - "Deal ID" flagged as Azure Stack

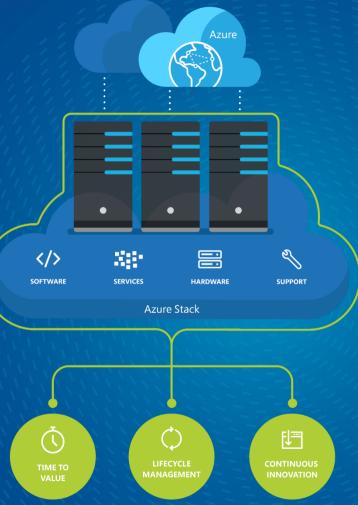
Cisco Integrated System For Microsoft Azure Stack

What is it?

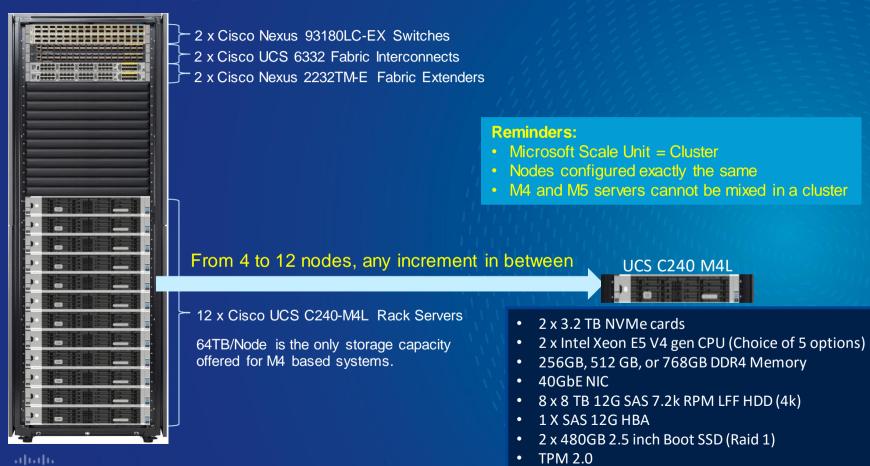
- A Hybrid cloud solution that enables the customer to run the Azure public cloud in their data center
- Features same API's and user interface as Azure
- Sold on a dedicated Cisco Infrastructure

Microsoft mandates:

- Specific config guidelines and certification testing
- Fixed Appliance like configurations
- Solutions Support must be sold in the BOM
- Cisco AS Installation service must be sold in the BOM
- Limits which countries the installation can take place



Cisco Integrated System for Microsoft Azure Stack



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Cisco Integrated System for Microsoft Azure Stack Microsoft Scaling Limitation – Until Mid Summer 2018



Microsoft Code Limitation:

- Cannot add a node to a Scale Unit (Cluster)
- Limits all server vendors
- A future version of Azure Stack will relax this limitation (Approx. July 2018)

Use this limitation to convince customers to buy larger initial configurations NOW to ensure they have ample capacity.

Cisco Flexible Provisioning:

Financing options to overcome a financial objection!

How To Size Azure Stack System

Based on the number of VM that the customer is forecasting to run over time.

Do:

- Educate customer on Azure VM sizings
- Discuss which workloads fit each VM size
- Factor in the growth rate and add 10%
- Be sure the customer understands current Microsoft scalability limitations
- Use the table on the following chart to evaluate config options

Do Not:

- Blindly match a competitor's configuration (Dell only sells in 4-node blocks)
- Ask what the partner is basing their sizing upon [©]
- Guess
- Assume that you can add a node to a installed cluster before July 2018
- Try to install a system in a country not already on Microsoft's approved list of counties.

Microsoft Azure VM Sizing Detail located at:

https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-general

Sizing Assistance

You have a choice:

1.) Go for it, and use the chart on the next page as your guide

2.) Contact TSN for assistance at: tsn-request@cisco.com



Sizing Azure Stack – VM Chart

RAM Per Host	Host Count Per Scale Unit	Maximum VM Count (Standard A3)	Storage Per VM (GB)
	4	27	2246
	5	39	1950
	6	52	1795
	7	64	1700
256GB	8	76	1635
	9	89	1589
	10	101	1553
	11	113	1526
	12	126	1504
	4	120	491
	5	164	456
	6	207	436
	7	251	423
512GB	8	294	414
	9	337	407
	10	381	402
	11	424	397
	12	468	394
	4	214	277
	5	288	259
	6	363	249
	7	437	243
768GB	8	512	238
	9	586	234
	10	661	232
	11	735	229
	12	810	228

Based on system resources available to support Azure Stack workloads, assuming a A3 sized VM for all workloads, (A3 is the most popular VM size on Azure public cloud) this table provides an estimate as to the number of VMs supported.

Customer should be able to provide the number of VMs they forecast to support. You should always add 10% to the customer's VM forecast.

A3 VM = 4 vCPU cores, 7GB RAM, 256GB Temp Storage

For choice of processor, discuss with the customer the amount of oversubscription desired.

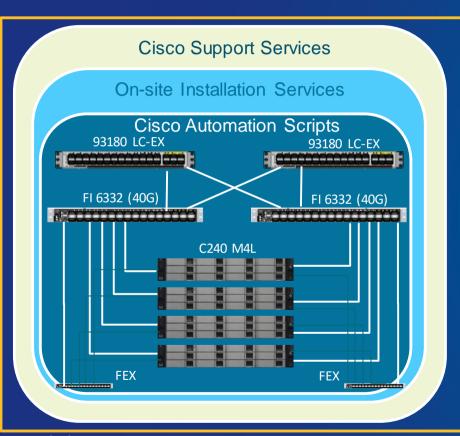
4:1 desired for highly intensive apps

7:1 desired for less intensive apps

Microsoft Azure VM Sizing Detail located at: https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-genera

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Azure Stack on Cisco UCS – A Complete Solution What are the key sales decision points for the fixed BOMs?



Sales Rep Order Entry Decisions:

- Select (1): Config to order (CTO), Fixed Small, Fixed Medium BOM
- Select the number of nodes, 4 min, 12 max, any # in between
- Choose processor (6 choices CTO only)
- Choose memory amount (256, 512, 768GB CTO only)
- System Rack is Optional

Items that sales cannot do:

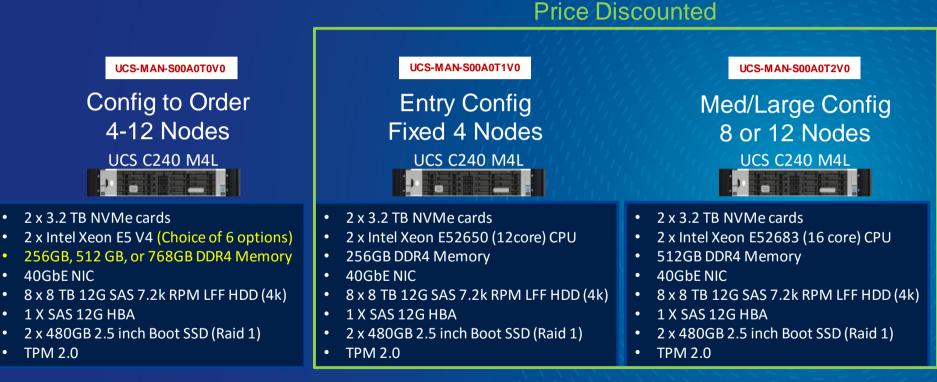
- Remove or discount Cisco AS installation service
- Remove Cisco Solution Services from any component, default is
 12 month term of 24 hour x 7 day x 4 hour response time
- Attempt to remove:
 - Nexus 93180 Switches
 - Nexus 2K FLX
 - Fabric Interconnects

Remember:

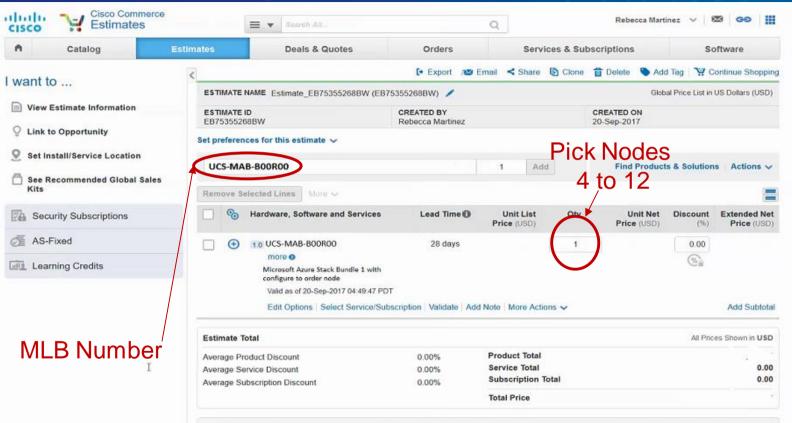
This solution is a fixed BOM that matches the configurations tested and certified for Azure Stack. Flexibility outside of what is allowed within the CCW rules is not allowed or supported.

• The BOM includes all HW and services.

Cisco Integrated System for MSFT Azure Stack BOM Choices – Pick One



Choose Config-To-Order



This Price Estimate does not constitute an offer by CISCO to sell products, but is instead an invitation to issue a purchase order to CISCO until the valid date specified in this price estimate. Such a purchase order will be subject to Cisco's standard procedures, terms and conditions for the acceptance of purchase orders. This order may subject to sales tax, VAT, duty and freight charges even if not noted on this estimate.

Pick The Processor – Default is Indicated

Cisco Commerce Configuration

OPTION SELECTION UCS-MAN-S00A0T0V0 part of UCS-MAB-B00R00

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CISCO

John McAbel 🛛 🗸

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Global Price List in US Dollars (USD)

Configuration Summary	View Full Summary	
Country Specification		
Select Country (Not Required)		•
Category 1	Qty	Unit List Price (USD)
PROCESSOR		^
Processor Option		
UCS-CPU-E52650E	2	0.00
MEMORY		^
Memory Option		
UCS-MR-1X322RV-A	8	0.00
Additional Memory Option		
RAID CONTROLLER		^
RAID Controller Option		
Subtotal		0.00
Estimated Lead Time		28 days
Reset Configuration		Cancel Done

, * .	 Warnings (2): UCS-CPU-E52650E is defaulted under Processor Option. (CE100033) UCS-MAN-S00A0T0V0 quantity 1 requires a minimum quantity of 2 from Power Cable Option (CE100012) 					
Ð	Option Search ()		Multip	le Options Search		
UCS-N	IAN-S00A0T0V0 > Processor Option			Key 🗸		
Proce	ssor Option					
	SKU	Qty	Lead Time 🕕	Unit List Price (USD)		
\bigcirc	UCS-CPU-E52683E 2.10 GHz E5-2683 v4/120W 16C/40MB Cache/DDR4 2400MHz	2	10 days	0.00		
0	UCS-CPU-E52660E 2.00 GHz E5-2660 v4/105W 14C/35MB Cache/DDR4 2400MHz	2	10 days	0.00		
\bigcirc	UCS-CPU-E52698E 2.20 GHz E5-2698 v4/135W 20C/50MB Cache/DDR4 2400MHz	2	10 days	0.00		
۲	UCS-CPU-E52650E 2.20 GHz E5-2650 v4/105W 12C/30MB Cache/DDR4 2400MHz	2	10 days	0.00		
\bigcirc	UCS-CPU-E52699E 2.20 GHz E5-2699 v4/145W 22C/55MB Cache/DDR4 2400MHz	2	10 days	0.00		
\bigcirc	UCS-CPU-E52695E 2.10 GHz E5-2695 v4/120W 18C/45MB Cache/DDR4 2400MHz	2	10 days	0.00		

Clear Selection | Show Incompatible SKUs

Pick Memory Amount

Cisco Comm Cisco Configui	erce ration			John McAbel	~
Open a Case Training CCW Support Community Cisco Feature Navigator					igator
OPTION SELECTION UCS-MAN-S00A0TOV0 part of UCS-MAB-B00R00 Global Price List in US Dollars (USD)					JSD)
Configuration Summary View Full Summary View Full Summary A selection of either 8 or 16 Additional Memory Option is allowed. Please adjust the quantity. (CE200109)				.≜ ▼	
UCS-CPU-E52650E is defaulted under Processor Option. (CE100033)					
Select Country (Not Required)		•	UCS-MAN-S00A0T0V0 quantity 1 requires a minimum quantity of 2 from Power Cable Opt	ion (CE100012)	
Category 🕕	Qty	Unit List Price (USD)	Option Search	Multiple Options Sea	arch
UCS-MR-1X322RV-A	8	0.00	UCS-MAN-S00A0T0V0 > Additional Memory Option	к	Key 🗸
Additional Memory Option			Additional Memory Option		
UCS-SP-M32-RVA	7	0.00	SKU Qty I	Lead Time 🕦 Unit List F	Price JSD)
RAID CONTROLLER RAID Controller Option		^	UCS-SP-M32-RVA SVIP **** 7 32GB DDR4-2400-MHz RDIMM/PC4-19200/dual rank/x4/1.2v		0.00
UCSC-SAS12GHBA	1	0.00			
TPM OPTIONS		^	Show Incompatible SKUs		
TPM OPTIONS			256GB is the default,	vou can	
UCSX-TPM2-002	1	0.00	adjust to 512GB or 7	•	
Subtotal		0.00	•		

Fixed Node BOM - # of Nodes is ONLY Choice

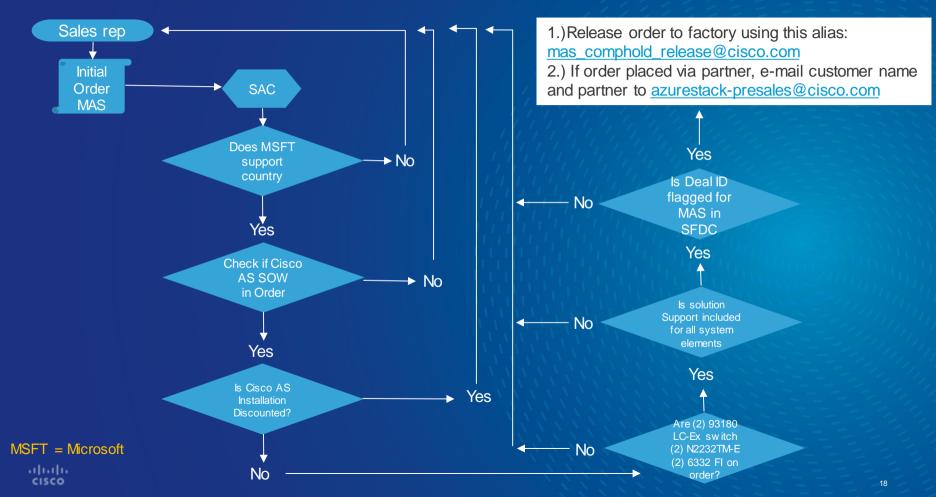
allalla John McAbel V cisco Open a Case | Training | CCW Support Community | Cisco Feature Navigator BUNDLE CONFIGURATION NAME UCS-MAB-B01R00 Max, Estimated Lead Time 28 days Global Price List in US Dollars (USD) Set service preferences for this configuration v Cancel Done Pick Nodes Warnings (3): Valid Configuration requires Advanced Services Pricing for installation. Please contact azurestack-as-sow@cisco.com (CE202343) All Azure Stack orders are under Compliance Hold checking Solution Support AS Installation. Country support and Deal ID flagging. (CE202343) 4, 8, 12 Solution support (24x7x4OS) must be selected for for N9K and N2K. (CE202343) SERVERS > 4 Selected (Min 4, Max 12) Kev 🗸 Unit List Price (USD) Available Components ¢ Product Unit List Price (USD) Adjusted List Qty Extended List Status Price (USD) Price (USD) SERVERS UCS-MAN-S00A0T1V0 0.00 0.00 (Ŧ) INVALID 0.00 Add Custom Name | Edit Options | Select Services/Subscriptions | Remove Line Microsoft AzureStack Node-C240M4L w/E52650v Add a SERVERS from the left panel Estimated Lead Time: --LICENSE > 0 Selected (Min 0, Max 22) UCS-MAN-S00A0T2V0 0.00 Microsoft AzureStack Node-C240M4L w/E52683v Product Unit List Price (USD) Adjusted List Qtv Extended List Status + 4.16x32GB.QLogic Price (USD) Price (USD) Estimated Lead Time: --Add a LICENSE from the left panel FABRIC INTERCONNECT > 2 Selected (Min 2, Max 2) Product Unit List Price (USD) Adjusted List Qtv Extended List Status Price (USD) Price (USD) UCS-MAFI-6332 〇 0.00 0.00 INVALID 2 LICENSE Add Custom Name | Edit Options | Select Services/Subscriptions | Remove Line FABRIC > 4 Selected (Min 4, Max 4) (+) FABRIC INTERCONNECT €⊕ Product Unit List Price Adjusted List Qtv Extended List Status (+) FABRIC Price (USD) Price (USD) FABRIC EXTENDER Æ N9K-C93180LC-EX 🔘 0.00 0.00 INVALID 2

Choose One Fixed Node Config.

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Compliance Hold Process and Response

Compliance Hold Requirements MSFT Azure Stack (MAS)



Current List of Microsoft Supported Countries

AP
 AP

AP

As of Oct 3, 2017

<u>Geo</u>	<u>Countries</u>	
AMER	Argentina	
AMER	Brazil	
AMER	Canada	
AMER	Chile	
AMER	Colombia	
AMER	Mexico	
AMER	Peru	
AMER	Puerto Rico	
AMER	United States	
AMER	US Virgin Islands	
AMER	Uruguay	

Note:

If the planned installation location is in a country not on this list, then the order must be rejected and sent back to the sales team.

More countries will be added to this list over time but Microsoft has not provided a schedule as to when that will occur.

Geo	Countries	Geo	<u>Countries</u>
JC	Australia	EMEA	Austria
JC	Hong Kong	EMEA	Belgium
JC	India	EMEA	Denmark
JC	Indonesia	EMEA	Finland
JC		EMEA	France
	Japan	EMEA	Germany
JC	Korea	EMEA	Ireland
JC	Malaysia	EMEA	Israel
JC	New Zealand	EMEA	Italy
JC	Philippines	EMEA	Luxembourg
JC	Singapore	EMEA	Monaco
JC	Taiwan	EMEA	Morocco
JC	Thailand	EMEA	Netherlands
JC	Vietnam	EMEA	Norway
		EMEA	Portugal
		EMEA	Russia
		EMEA	Saudi Arabia
		EMEA	SouthAfrica
		EMEA	Spain
		EMEA	Sweden
		EMEA	Switzerland
		EMEA	Turkey
		EMEA	United Arab Emirates
		EMEA	United Kingdom

How to Contact SAC?

- Email: sac-support@cisco.com
- Phone: +1-(919)-858-6385
- Live Chat:

https://ciscosales.webex.com/ciscosales/supportcenter/webacd.wbx?WQID=8b72d294f70a04e6e0ba11729923363c&refURL=

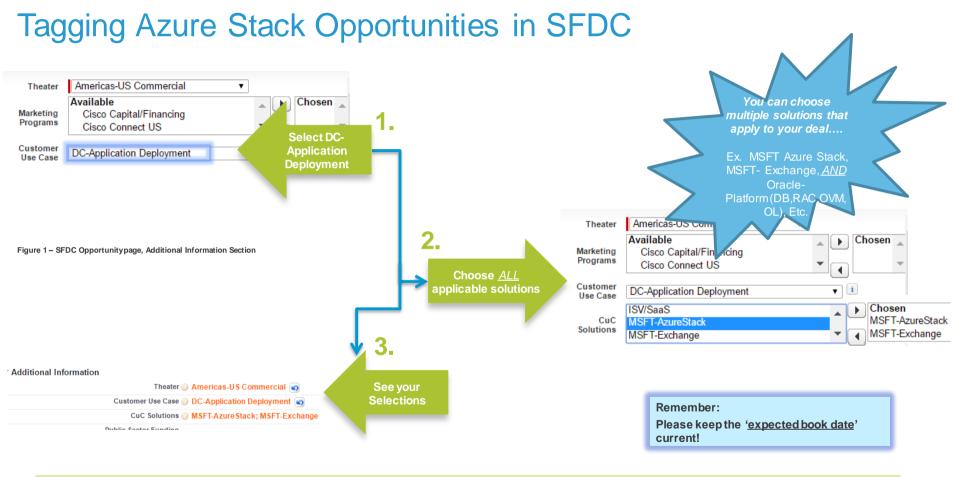
- SAC is open 24 x 5, all countries, all time zones
- English language support





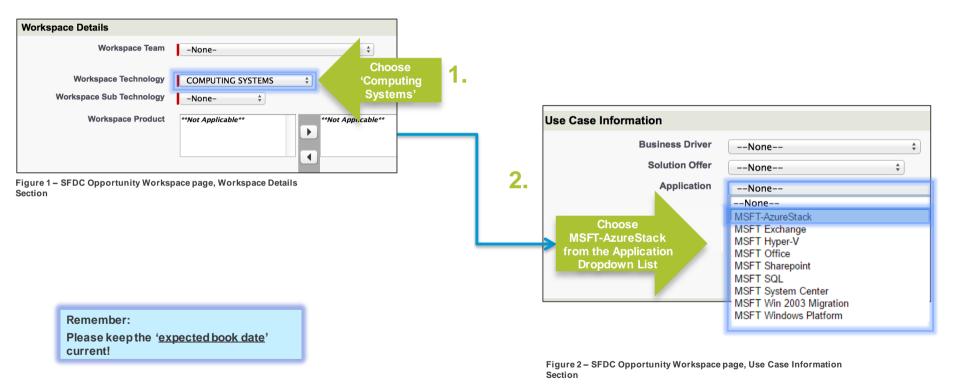
SFDC Solution Tagging – Azure Stack





Thank you for your support in our effort to increase visibility of Cisco's Key Solutions!

Tagging Azure Stack PSS Workspaces in SFDC



Thank you for your support in our effort to increase visibility of Cisco's Key Solutions!

Why should you tag your opportunities?

- Sales reporting is a contractual requirement with Microsoft
- Dictates resource allocation i.e. more FREE Firefly training in your area
- Increase internal visibility on solutions which helps Cisco take advantage of market opportunities
- Tagging helps to prioritize support (features, TAC, monitoring)
- Investment- which solutions do we continue to fund or cut back, where do we invest & allocate more dollars
- Solution forecasting ensure forecast accuracy, helps determine where to allocate quarterly resources (sales, TAC, etc)
- Helps Cisco prioritize and focus efforts in the right areas product features, road maps, right products at the right price
- 3rd party reference support (IDC, Gartner, MSFT)

Sales Materials Available With Announcement

Review sales materials - https://salesconnect.cisco.com/#/briefcase-details/P01180590

- Press Release
- FAQ
- High level solution massaging Deck
- BDM Deck
- BLOGS
- Whitepaper Microsoft Azure Stack Technical Preview on Cisco UCS C-Series Rack Servers
- At A Glance
- Sales Connect Web Page Azure Stack Briefcase https://salesconnect.cisco.com/#/briefcase-details/P01180590
- External Customer Web Page <u>http://www.cisco.com/c/en/us/solutions/data-center/integrated-system-</u> microsoft-azure-stack/index.html

Questions: <u>azurestack-presales@cisco.com</u>

Questions – Need Assistance?

Cisco Azure Stack Sales Connect Site:

https://salesconnect.cisco.com/ open.html?b=P01180590 If you have questions please send a mail to:

<u>Azurestack-</u> presales@cisco.com For configuration assistance contact TSN at: <u>tsn-request@cisco.com</u>



For more information and the latest news: <u>www.cisco.com/content/en/us/solutions/data-</u> <u>center/integrated-system-microsoft-azure-stack</u>

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Back Up Charts

