

# IRIS Configuration Tool How To Use (Best Practice)

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**aruba**  
a Hewlett Packard  
Enterprise company

# IRIS Configuration Tool – How To Use (Best Practice)

## Agenda

- IRIS Settings Recommendation.
- How to use IRIS to configure Aruba Switching portfolio.
- How to use IRIS to configure Aruba WLAN portfolio.
- How to use IRIS to configure others Aruba products portfolio.
- Use cases.

# IRIS Configuration Tool – How To Use (Best Practice)

## Agenda

**The below are pre-requisites for this enablement session:**

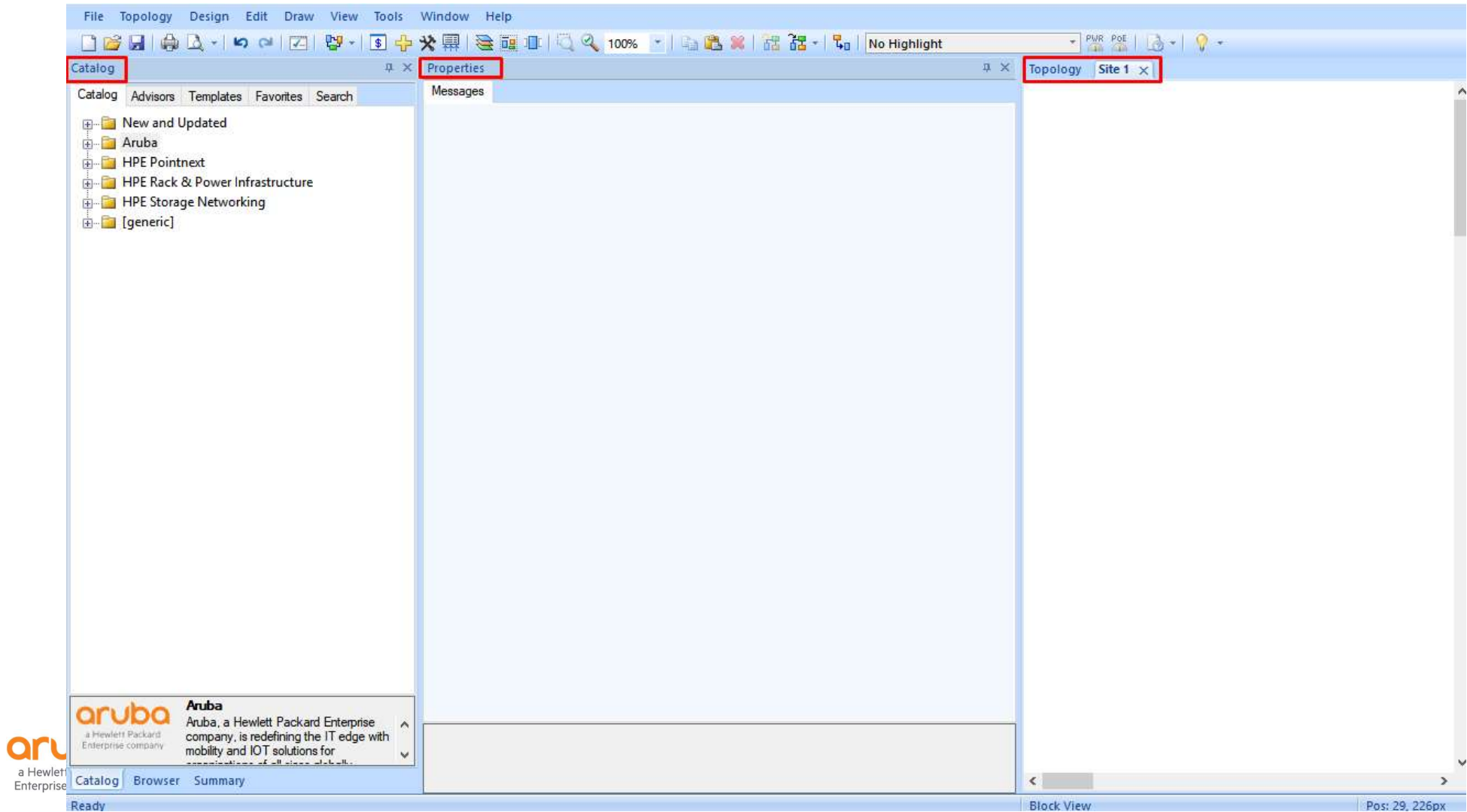
- Must be Aruba partners/distributors sales/presales who are familiar with Aruba solution, product portfolios.
- Know basic how to use IRIS.
- Having laptop and have access to IRIS.

# IRIS Configuration Tool – How To Use (Best Practice)

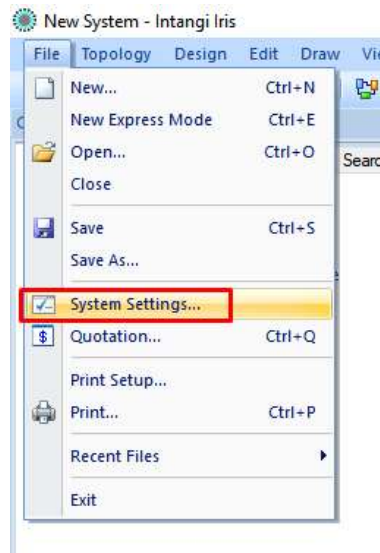
## Agenda

- **IRIS Settings Recommendation.**
- How to use IRIS to configure Aruba Switching portfolio.
- How to use IRIS to configure Aruba WLAN portfolio.
- How to use IRIS to configure others Aruba products portfolio.
- Use cases.

# Configure IRIS



# Configure IRIS – System Settings



The 'System Settings' dialog box is shown with the 'General' tab selected. The 'Label' field contains 'New System - Tuesday, March 26, 2019'. The 'Description' field is empty. The 'Country' dropdown is set to 'Singapore' and the 'Currency' dropdown is set to 'Singapore Dollar', both highlighted with a red rectangle. The 'Coordinate Type' is 'No Coordinates', 'Global Quadrant' is empty, 'Datum' is empty, and 'Mapping' is 'Automatic'. The 'Hewlett Packard Enterprise' tab is also visible, showing a table of properties and values.

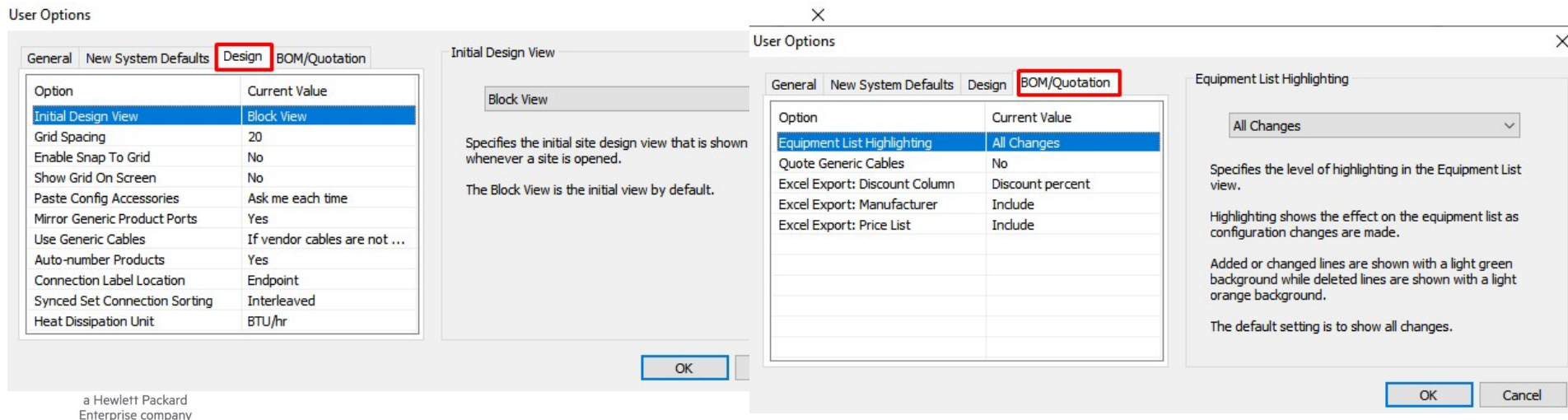
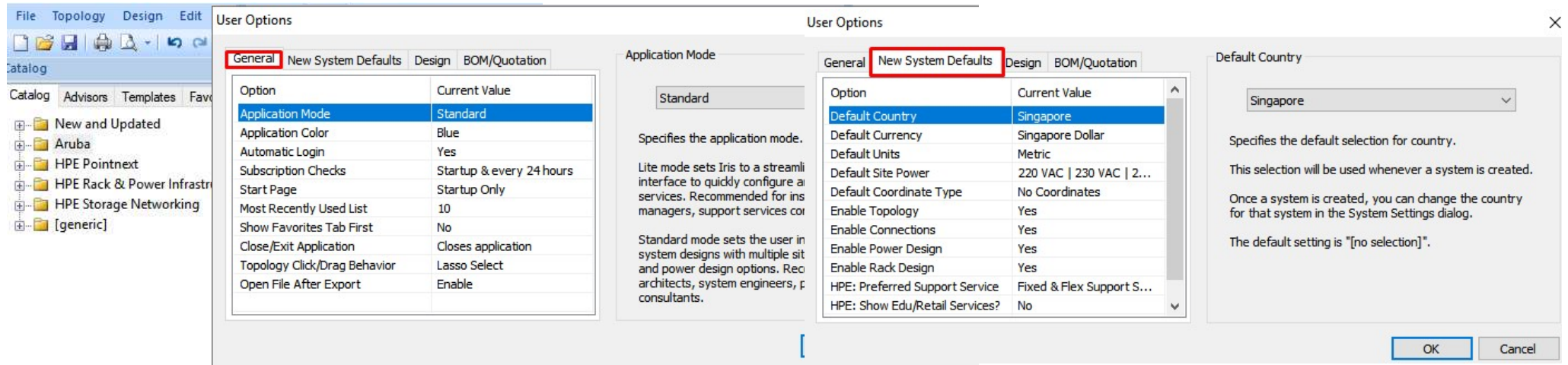
Property	Value
Enable Topology	Yes
Enable Connections	Yes
Enable Power Design	Yes
Enable Rack Design	Yes
Units	Metric

The 'System Settings' dialog box is shown with the 'General' tab selected. The 'Label' field contains 'New System - Tuesday, March 26, 2019'. The 'Description' field is empty. The 'Hewlett Packard Enterprise' tab is also visible, showing a table of properties and values.

Property	Value
Preferred Support Service	Fixed & Flex Support Services
Show Edu/Retail Services?	No
Show Volume Services?	No



# Configure IRIS – User Option



# Configure IRIS – Quotation

The screenshot illustrates the steps to configure IRIS for quotations. It shows the 'File' menu with 'Quotation...' highlighted, the 'Quotation Browser' window, and the 'Pricing Manager' dialog box.

**File Menu:**

- New... (Ctrl+N)
- New Express Mode (Ctrl+E)
- Open... (Ctrl+O)
- Close
- Save (Ctrl+S)
- Save As...
- System Settings...
- Quotation...** (Ctrl+Q)
- Print Setup...
- Print... (Ctrl+P)
- Recent Files
- Exit

**Quotation Browser:**

Line#	Part Number	Description	Manufacturer
- Composite -			
Site 1			

**Pricing Manager:**

Quotation Currency: Singapore Dollar

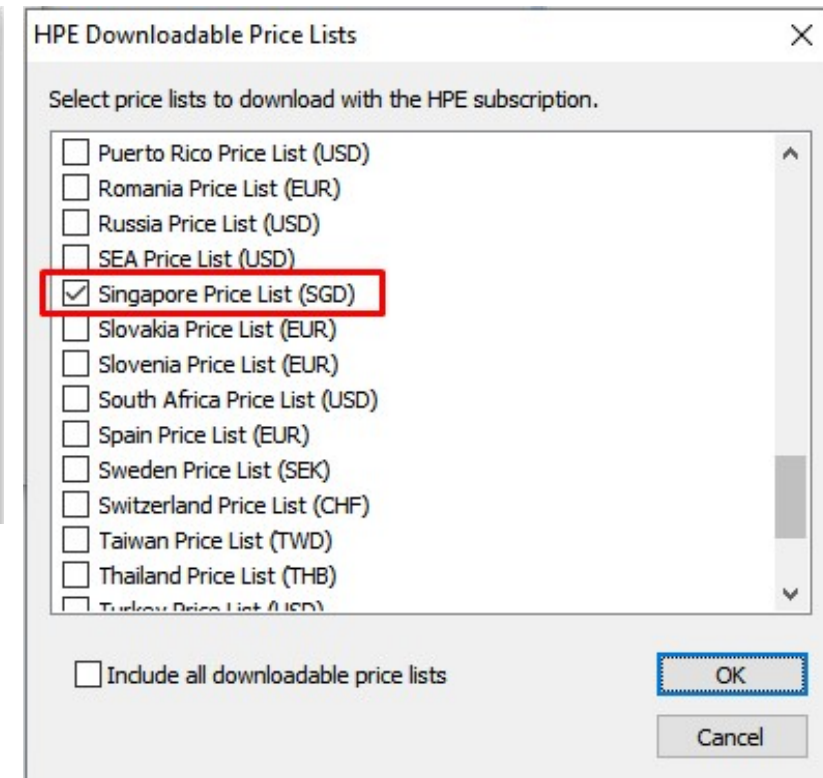
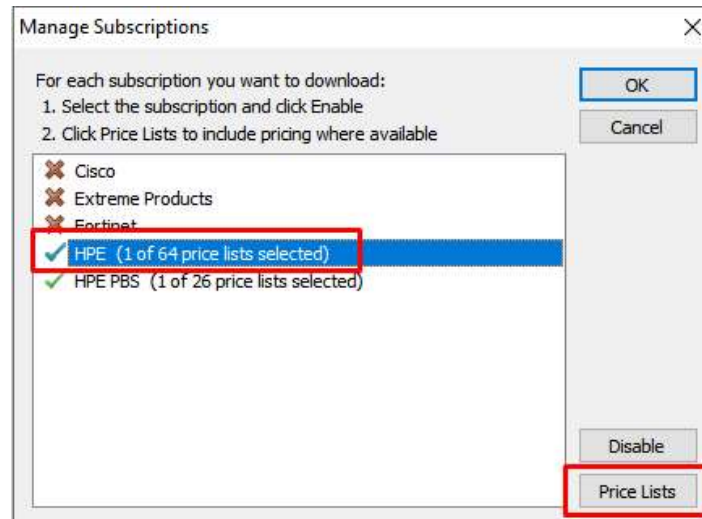
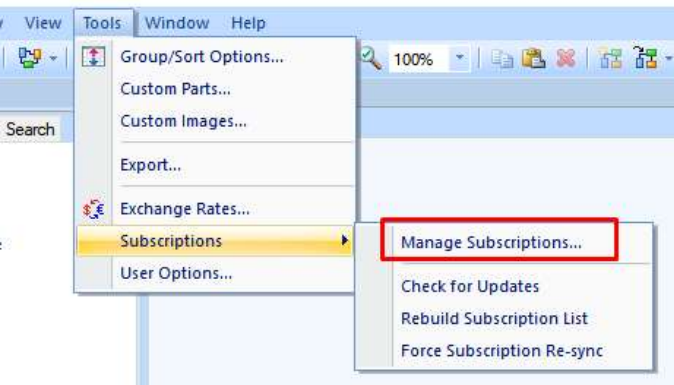
Subscription	Price List	Exchange Rate
Cisco		
Extreme Networks		
Fortinet		
Hewlett Packard Enterprise	Singapore Price List (SGD)	
HPE PBS	Singapore Price List (SGD)	

☐ Use as default for new systems

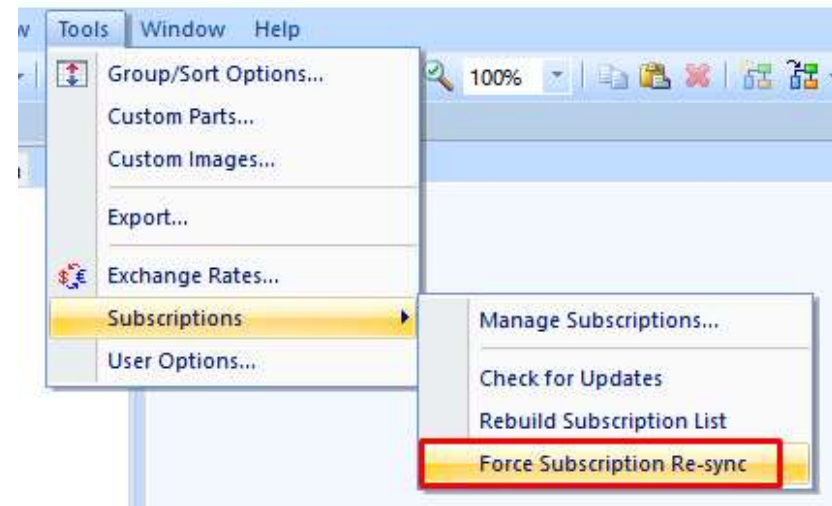
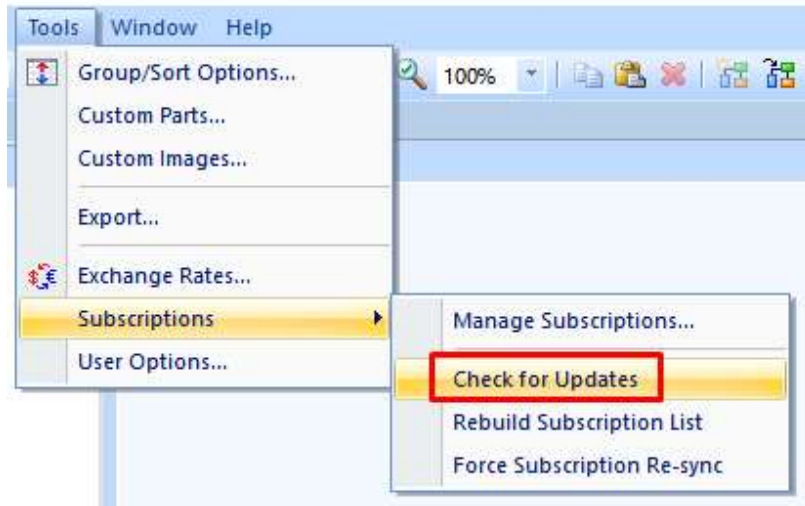
Select Price List Edit Rate



# Configure IRIS – Manage Subscriptions



# Configure IRIS – Subscriptions -> Others

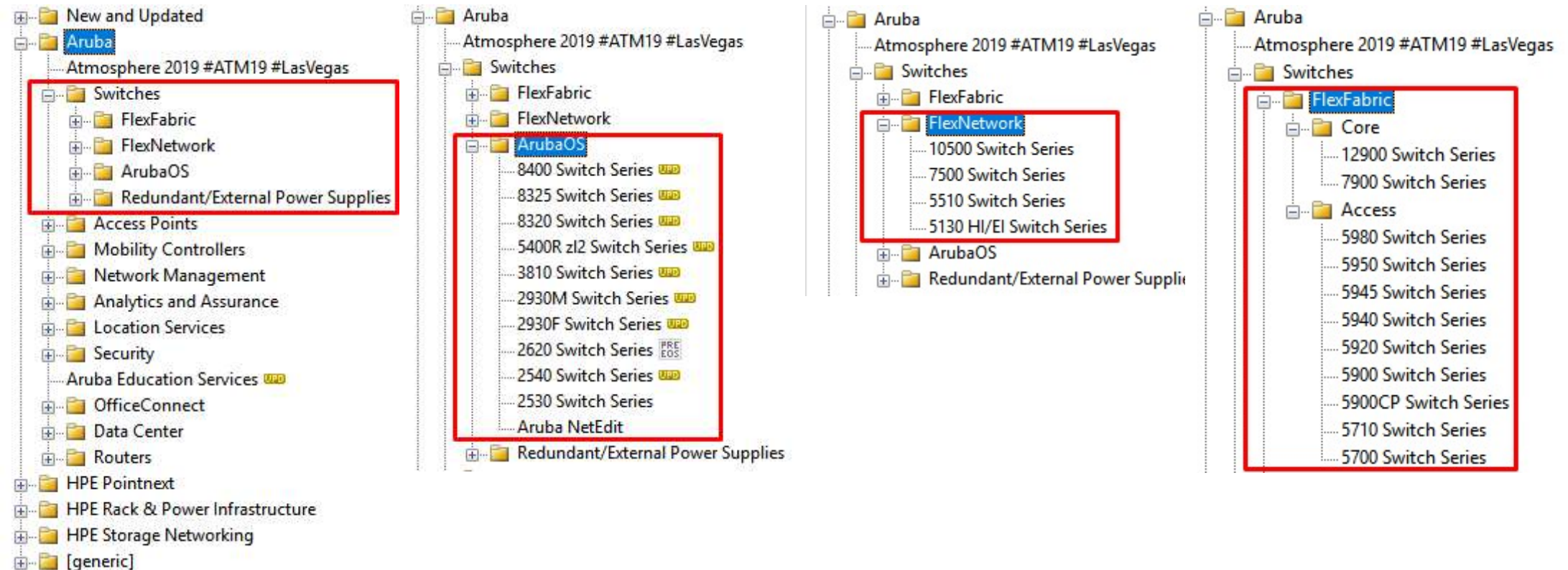


# IRIS Configuration Tool – How To Use (Best Practice)

## Agenda

- Configure IRIS
- **How to use IRIS to configure Aruba Switching portfolio.**
- How to use IRIS to configure Aruba WLAN portfolio.
- How to use IRIS to configure others Aruba products portfolio.
- How to use IRIS to choose the right Aruba support services (FC, PBS, ...).
- Use cases.

# Aruba Switching Products Portfolio





# Aruba Switching Product – 2930F

The screenshot displays the Aruba Network Designer software interface. The left pane shows a catalog of Aruba products, with the '2930F Switch Series' highlighted. The main pane shows the properties of the selected switch, including a description, key features, and a list of models with their specifications and prices. The right pane shows a topology view with the switch placed on a site.

**Aruba 2930F 24G 4SFP+ Switch [ JL253A ]**

The Aruba 2930F Switch Series is designed for customers creating digital workplaces that are optimized for mobile users with an integrated wired and wireless approach. These Layer 3 access switches are easy to deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager and Aruba AirWave. With support from cloud-based Aruba Central, you can quickly set up remote offices with little or no IT support.

**KEY FEATURES:**

- Aruba Layer 3 Switch with 8 Chassis VSF Stacking, Static, RIP and access OSPF routing, Tunnel Node, ACLs and robust QoS
- Advanced security and network management tools like Aruba ClearPass Policy Manager, Aruba AirWave and Aruba Central
- Convenient built-in 1GbE or 10GbE uplinks and up to 370W PoE+
- Optimized for innovative SDN applications with Openflow support
- Simple deployment with Zero Touch Provisioning

**Select Model**

Model	Ports	Power	Price
2930F 24G 4SFP	24 10/100/1000 ports, 4 SFP ports		[ JL259A \$2,670.00 ]
2930F 48G 4SFP	48 10/100/1000 ports, 4 SFP ports		[ JL260A \$4,674.00 ]
2930F 24G 4SFP+	24 10/100/1000 ports, 4 SFP+ ports		[ JL253A \$4,229.00 ]
2930F 48G 4SFP+	48 10/100/1000 ports, 4 SFP+ ports		[ JL254A \$6,233.00 ]
2930F 8G PoE+ 2SFP+	8 10/100/1000 PoE+ ports, 2 SFP+ ports, fanless operation, 125W PoE+		[ JL258A \$2,094.00 ]
2930F 24G PoE+ 4SFP	24 10/100/1000 PoE+ ports, 4 SFP ports, 370W PoE+		[ JL261A \$3,562.00 ]
2930F 48G PoE+ 4SFP	48 10/100/1000 PoE+ ports, 4 SFP ports, 370W PoE+		[ JL262A \$6,233.00 ]
2930F 24G PoE+ 4SFP+	24 10/100/1000 PoE+ ports, 4 SFP+ ports, 370W PoE+		[ JL255A \$5,119.00 ]
2930F 48G PoE+ 4SFP+	48 10/100/1000 PoE+ ports, 4 SFP+ ports, 370W PoE+		[ JL256A \$7,789.00 ]
2930F 48G PoE+ 4SFP 740W	48 10/100/1000 PoE+ ports, 4 SFP ports, 740W PoE+		[ JL557A \$8,935.00 ]
2930F 48G PoE+ 4SFP+ 740W	48 10/100/1000 PoE+ ports, 4 SFP+ ports, 740W PoE+		[ JL558A \$10,666.00 ]

**TAA compliance**

☐ TAA compliance

NOTE: A console cable is no longer provided with this switch; you can add the 'JL448A Aruba X2C2 RJ45 to DB9 Console Cable' via the Accessories tab.



# Aruba Switching Product – 2930F

Properties

2930F Switch Series SFP+ Ports Power Cord Accessories Attributes Messages

**SFP+ Ports**

Select a transceiver for each port. All optics feature LC connectors. The 10G LRM and 10G 7m D

Note: SFP+ Direct Attach Cable will not be added to the equipment list until connection is made. C Accessories tab.

SFP+ Port 25

None

SFP+ Port 26

None

SFP+ Port 27

None

SFP+ Port 28

None

Properties

2930F Switch Series SFP+ Ports Power Cord Accessories Attributes Messages

**SFP+ Ports**

Select a transceiver for each port. All optics feature LC connectors. The 10G LRM and 10G 7m D

Note: SFP+ Direct Attach Cable will not be added to the equipment list until connection is made. C Accessories tab.

SFP+ Port 25

None

10GbE SFP+ Transceivers

- Aruba 10G SFP+ LC SR 300m MMF Transceiver [J9150D \$2,191.00]
- Aruba 10G SFP+ LC LR 10km SMF XCVR [J9151D \$5,332.00]
- Aruba 10G SFP+ LC LR 10km SMF Transceiver [J9151E \$5,418.00] **new**
- Aruba 10G SFP+ LC ER 40km SMF Transceiver [J9153D \$12,972.00]

GbE SFP Transceivers

- Aruba 1G SFP RJ45 T 100m Cat5e Transceiver [J8177D \$517.00]
- Aruba 1G SFP LC SX 500m MMF Transceiver [J4858D \$605.00]
- Aruba 1G SFP LC LX 10km SMF Transceiver [J4859D \$1,295.00]
- Aruba 1G SFP LC LH 70km SMF Transceiver [J4860D \$5,764.00]

100M SFP Transceivers

- Aruba 100M SFP LC FX 2km MMF Transceiver [J9054D \$374.00]

Properties

2930F Switch Series SFP+ Ports Power Cord Accessories Attributes Messages

**Attributes**

Property	Value
Status	Proposed
Quantity Multiplier	1
ID #	1
Label Option	Default
Extended Label	
Label Location	Default
Mounting	
Utilization	100%
Design Group	Default
Airflow	Left → Right
Height (cm)	4.39
Width (cm)	44.25
Depth (cm)	20.02
Height (RU)	1
Power Consumption (W)	29.3
Heat Dissipation (BTU/hr)	99.98
Weight Installed (kg)	2.41
Weight Shipping (kg)	-

Properties

2930F Switch Series SFP+ Ports Power Cord Accessories Attributes Messages

**Power Cord**

**Power Cord Selection** ⓘ

Usually, one power cord per product (or power supply) is included. Where required, a pn necessary number of power cords required to power a product does not need to be indi

ACC - Power Cord - United Kingdom localization

Properties

2930F Switch Series SFP+ Ports Power Cord Accessories Attributes Messages

**Accessories**

Accessory	Quantity
<input type="checkbox"/> HPE X410 1U Universal 4-post Rack Mounting Kit [J9583A \$187.00]	0
<input type="checkbox"/> Aruba 10G SFP+ to SFP+ 1m DAC Cable [J9281D \$274.00]	0
<input type="checkbox"/> Aruba 10G SFP+ to SFP+ 3m DAC Cable [J9283D \$389.00]	0
<input type="checkbox"/> Aruba X2C2 RJ45 to DB9 Console Cable [JL448A \$38.00]	0

Properties

2930F Switch Series SFP+ Ports Power Cord Accessories Attributes Messages

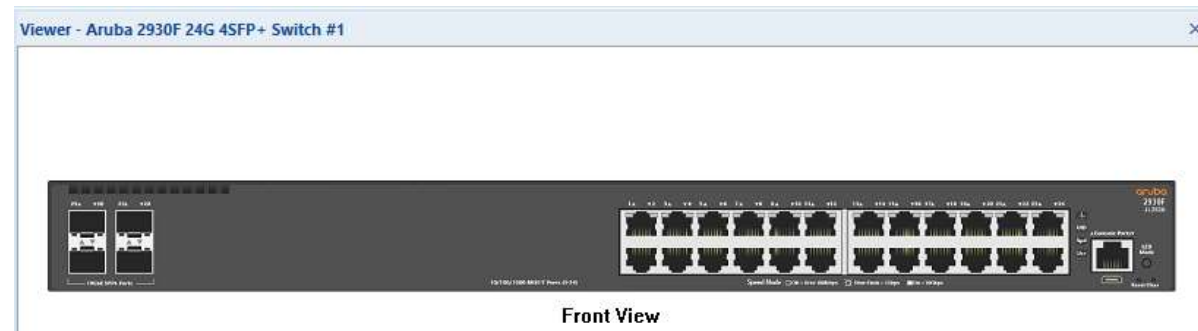
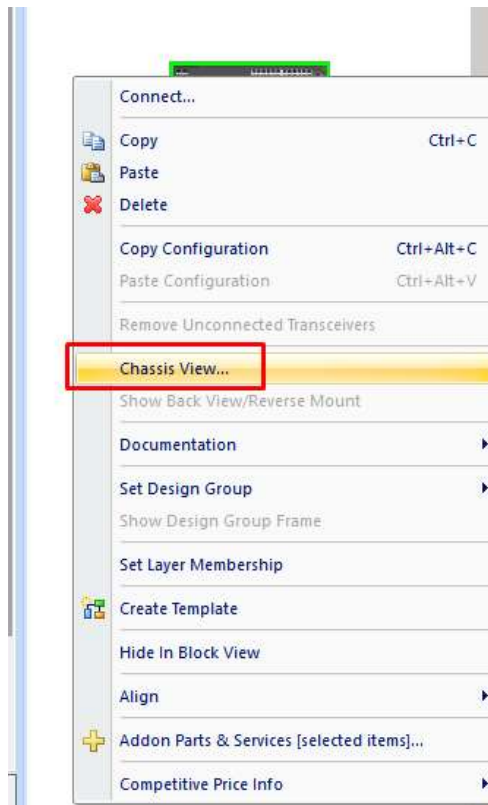
**Equipment Power Summary**

**Equipment Power Summary**

Power Consumption: 29.3 Watts  
Heat Dissipation: 100.0 BTU/hr

The total power load is:  
29.3 Watts at 240 VAC on 1 x BS 1363/A M plug

# Aruba Switching Product – 2930F



# Aruba Switching Product – 2930F

HPE Fixed Support Services ⓘ																
Not Needed	Foundation Care (FC) Services										Proactive Care (PC) Services ⓘ					
	labor)   Remote SV ⓘ					Onsite HW Support   Remote SW Support ⓘ					Parts Exch (no onsite labor)			Onsite HW Support   Remote		
	FC 4h Exch				FC NBD				FC 24x7				FC CTR			
	1y	3y	4y	5y	1y	3y	4y	5y	1y	3y	4y	5y	1y	3y	4y	5y
Aruba 2930F 48G PoE+ 4SFP+ Switch																
JL256A   Aruba 2930F 48G PoE+ 4SFP+ Switch																

## Addon Parts & Services

HPE Flex Deployment																
Not Needed	PCA 24x7 DMR				Installation				Install & Start-up				HPE Partner-Branded Services ⓘ			
	1y	3y	4y	5y									PBS NBD	PBS NBD E/R	PBS NBD Vol T1	PBS NBD Vol T2
													1y	3y	4y	5y
Aruba 2930F 48G PoE+ 4SFP+ Switch																
JL256A   Aruba 2930F 48G PoE+ 4SFP+ Switch																

# Aruba Switching Product – 2930F



Quote View

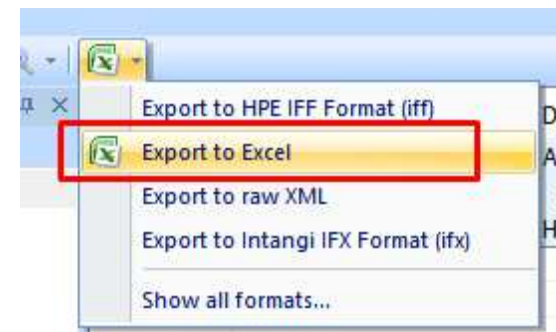
Quotation Browser

Views Filters

- Composite -

Site 1

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Total	Price List
1.0	JL253A	Aruba 2930F 24G 4SFP+ Switch	Hewlett Packard Enter...	\$4,229.00	2	\$8,458.00	Singapore Price List
1.1	JL253A ACC	INCLUDED: Power Cord - United Kingdom localization	Hewlett Packard Enter...	incl.	2		
1.2	H1XU1E	HPE 1Y FC 24x7 Aruba 2930F 24G 4SFP SVC [for JL253A]	Hewlett Packard Enter...	\$514.00	2	\$1,028.00	Singapore Price List
1.3	J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enter...	\$2,191.00	4	\$8,764.00	Singapore Price List
2.0	J9281D	Aruba 10G SFP+ to SFP+ 1m DAC Cable	Hewlett Packard Enter...	\$274.00	2	\$548.00	Singapore Price List
Quote Total						\$18,798.00	





# Aruba Switching Product – 2930F (BOM Example)



Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Sub Total	Discount	Total	Price List
1.0	JL253A	Aruba 2930F 24G 4SFP+ Switch	Hewlett Packard Enterprise	\$4,229.00	2	\$8,458.00	0.00%	\$8,458.00	Singapore Price List (SGD)
1.1	JL253A ACC	INCLUDED: Power Cord - United Kingdom localization	Hewlett Packard Enterprise	incl.	2				
1.2	H1XU1E	HPE 1Y FC 24x7 Aruba 2930F 24G 4SFP SVC [for JL253A]	Hewlett Packard Enterprise	\$514.00	2	\$1,028.00	0.00%	\$1,028.00	Singapore Price List (SGD)
1.3	J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enterprise	\$2,191.00	4	\$8,764.00	0.00%	\$8,764.00	Singapore Price List (SGD)
2.0	J9281D	Aruba 10G SFP+ to SFP+ 1m DAC Cable	Hewlett Packard Enterprise	\$274.00	2	\$548.00	0.00%	\$548.00	Singapore Price List (SGD)
		Quote Total						\$18,798.00	

Line#	Part Number	Description	Manufacturer	Unit Price	Quantity	Sub Total	Discount	Total	Price List
		Edge Switch - Aruba 2930F 24G 4SFP+ Switch							
1.0	JL253A	Aruba 2930F 24G 4SFP+ Switch	Hewlett Packard Enterprise	\$4,229.00	2	\$8,458.00	0.00%	\$8,458.00	Singapore Price List (SGD)
1.1	JL253A ACC	INCLUDED: Power Cord - United Kingdom localization	Hewlett Packard Enterprise	incl.	2				
1.2	H1XU1E	HPE 1Y FC 24x7 Aruba 2930F 24G 4SFP SVC [for JL253A]	Hewlett Packard Enterprise	\$514.00	2	\$1,028.00	0.00%	\$1,028.00	Singapore Price List (SGD)
1.3	J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enterprise	\$2,191.00	4	\$8,764.00	0.00%	\$8,764.00	Singapore Price List (SGD)
2.0	J9281D	Aruba 10G SFP+ to SFP+ 1m DAC Cable	Hewlett Packard Enterprise	\$274.00	2	\$548.00	0.00%	\$548.00	Singapore Price List (SGD)
		Quote Total						\$18,798.00	



## **(Practice) How to Build a BOM – Question**

### **Configure BOM of PoE edge switches.**

- 1) There are two stacks of 2930M, the first stack has 4 x 2930M, the second stack has 6 x 2930M.
- 2) All 2930M switch come with 40 x 1G and 8 x 10G coppers for downlink.
- 3) Support PoE class 6 (60W) and power budget up to 1440W.
- 4) Stacking module and stacking cable.
- 5) Each stack of 2930M share the same 2 x 10G uplink via MMF OM3 to distribution switch.
- 6) 3 years support via PBS.
- 7) Optimize the list price and still meet the requirements (1 to 6) above.

# (Practice) How to Build a BOM – Answer

Part Number	Description	Manufacturer	Unit Price	Quantity	Sub Total	Discount	Total	Price List
<b>The First 2930M Stack Edge Switch (4 x Aruba 2930M)</b>								
R0M67A	Aruba 2930M 40G 8SR PoE Class 6 1s Switch	Hewlett Packard Enterprise	\$15,969.00	4	\$63,876.00	0.00%	\$63,876.00	Singapore Price List (SGD)
H1L06A3#Z9D	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba 2930M-SR POE Support [for R0M67A]	Hewlett Packard Enterprise	\$1,509.00	4	\$6,036.00	0.00%	\$6,036.00	Singapore Price List (SGD)
JL087A	Aruba X372 54VDC 1050W Power Supply	Hewlett Packard Enterprise	\$1,367.00	8	\$10,936.00	0.00%	\$10,936.00	Singapore Price List (SGD)
JL087A ACC	INCLUDED: Power Cord - United Kingdom localization	Hewlett Packard Enterprise	incl.	8				
<b>Stacking Module and Stacking Cable</b>								
JL325A	Aruba 2930 2-port Stacking Module	Hewlett Packard Enterprise	\$1,540.00	4	\$6,160.00	0.00%	\$6,160.00	Singapore Price List (SGD)
J9734A	Aruba 2920/2930M 0.5m Stacking Cable	Hewlett Packard Enterprise	\$216.00	3	\$648.00	0.00%	\$648.00	Singapore Price List (SGD)
J9735A	Aruba 2920/2930M 1m Stacking Cable	Hewlett Packard Enterprise	\$276.00	1	\$276.00	0.00%	\$276.00	Singapore Price List (SGD)
<b>10G Module and 10G SR Transceiver for Uplink</b>								
JL083A	Aruba 3810M/2930M 4SFP+ MACsec Module	Hewlett Packard Enterprise	\$1,832.00	2	\$3,664.00	0.00%	\$3,664.00	Singapore Price List (SGD)
J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enterprise	\$2,191.00	2	\$4,382.00	0.00%	\$4,382.00	Singapore Price List (SGD)
<b>The Second 2930M Stack Edge Switch (6 x Aruba 2930M)</b>								
R0M67A	Aruba 2930M 40G 8SR PoE Class 6 1s Switch	Hewlett Packard Enterprise	\$15,969.00	6	\$95,814.00	0.00%	\$95,814.00	Singapore Price List (SGD)
H1L06A3#Z9D	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba 2930M-SR POE Support [for R0M67A]	Hewlett Packard Enterprise	\$1,509.00	6	\$9,054.00	0.00%	\$9,054.00	Singapore Price List (SGD)
JL087A	Aruba X372 54VDC 1050W Power Supply	Hewlett Packard Enterprise	\$1,367.00	12	\$16,404.00	0.00%	\$16,404.00	Singapore Price List (SGD)
JL087A ACC	INCLUDED: Power Cord - United Kingdom localization	Hewlett Packard Enterprise	incl.	12				
<b>Stacking Module and Stacking Cable</b>								
JL325A	Aruba 2930 2-port Stacking Module	Hewlett Packard Enterprise	\$1,540.00	6	\$9,240.00	0.00%	\$9,240.00	Singapore Price List (SGD)
J9734A	Aruba 2920/2930M 0.5m Stacking Cable	Hewlett Packard Enterprise	\$216.00	5	\$1,080.00	0.00%	\$1,080.00	Singapore Price List (SGD)
J9735A	Aruba 2920/2930M 1m Stacking Cable	Hewlett Packard Enterprise	\$276.00	1	\$276.00	0.00%	\$276.00	Singapore Price List (SGD)
<b>10G Module and 10G SR Transceiver for Uplink</b>								
JL083A	Aruba 3810M/2930M 4SFP+ MACsec Module	Hewlett Packard Enterprise	\$1,832.00	2	\$3,664.00	0.00%	\$3,664.00	Singapore Price List (SGD)
J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enterprise	\$2,191.00	2	\$4,382.00	0.00%	\$4,382.00	Singapore Price List (SGD)
<b>Quote Total</b>							<b>\$235,892.00</b>	

## **(Practice) How to Build a BOM – Question**

**Configure BOM of distribution switch 2 x 8325 (VSX), each switch should has:**

- 1) 48 x 1/10/25G SFP/SFP+/SFP28 and 8 x 40/100G QSFP/QSFP28.
- 2) Fully redundant power supply.
- 3) 2 x 10G SFP+ LR transceivers for uplink to core switch.
- 4) Enough 10G transceivers for downlink to edge switch 2930M in previous slide.
- 5) At least 2 x 40Gbps for VSX link.
- 6) 3 years PBS support.
- 7) Due to requirement of redundancy, these two 8325 switches will be deployed into two network racks, 50 meters apart from each others.

# (Practice) How to Build a BOM – Answer



Part Number	Description	Manufacturer	Unit Price	Quantity	Sub Total	Discount	Total	Price List
<b>Distribution Switch - Aruba 8325</b>								
JL624A	Aruba 8325-48Y8C FB 6 F 2 PS Bundle	Hewlett Packard Enterprise	\$51,782.00	2	\$103,564.00	0.00%	\$103,564.00	Singapore Price List (SGD)
JL624A ACC	INCLUDED: Power Cord - United Kingdom localization	Hewlett Packard Enterprise	incl.	2				
H1L06A3#X7Q	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba 8325-48 Support [for JL624A]	Hewlett Packard Enterprise	\$2,404.00	2	\$4,808.00	0.00%	\$4,808.00	Singapore Price List (SGD)
JL483B	Aruba X474 4-post Rack Kit	Hewlett Packard Enterprise	\$438.00	2	\$876.00	0.00%	\$876.00	Singapore Price List (SGD)
<b>40G BiDi Transceiver for VSX Link</b>								
JL308A	Aruba 40G QSFP+ LC BiDi 150m MMF 2-strand Transceiver	Hewlett Packard Enterprise	\$1,607.00	4	\$6,428.00	0.00%	\$6,428.00	Singapore Price List (SGD)
<b>10G SR Transceivers for Downlink to Edge Switch</b>								
J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enterprise	\$2,191.00	4	\$8,764.00	0.00%	\$8,764.00	Singapore Price List (SGD)
<b>10G SR Transceivers for Uplink to Core Switch</b>								
J9151E	Aruba 10G SFP+ LC LR 10km SMF Transceiver	Hewlett Packard Enterprise	\$5,418.00	2	\$10,836.00	0.00%	\$10,836.00	Singapore Price List (SGD)
<b>Quote Total</b>							<b>\$135,276.00</b>	



# IRIS Configuration Tool – How To Use (Best Practice)

## Agenda

- IRIS Settings Recommendation.
- How to use IRIS to configure Aruba Switching portfolio.
- **How to use IRIS to configure Aruba WLAN portfolio.**
- How to use IRIS to configure others Aruba products portfolio.
- Use cases.



# Aruba WLAN Products Portfolio

The image displays four sequential screenshots of the Aruba product catalog interface, illustrating the navigation path from the main Catalog to specific product categories and then to individual product models.

- First Screenshot:** Shows the main 'Catalog' view with a sidebar on the left. The 'Access Points' category is highlighted with a red box.
- Second Screenshot:** Shows the 'Access Points' category expanded, revealing sub-categories: Indoor, Desktop / Wall plate, Outdoor / Rugged, Client Bridge, Aruba AP Accessories, Mobility Controllers, Campus, Branch/Standalone, ArubaOS and Controller Software, and Aruba vGateway E-STU. The 'Access Points' category is highlighted with a red box.
- Third Screenshot:** Shows the 'Indoor' sub-category expanded, listing various product series: 510 Series 802.11ax, 340 Series 802.11ac, 330 Series 802.11ac, 320 Series 802.11ac, 310 Series 802.11ac, 303 Series 802.11ac, 300 Series 802.11ac, 220 Series 802.11ac, 207 Series 802.11ac, and 203R Series 802.11ac. The 'Indoor' sub-category is highlighted with a red box.
- Fourth Screenshot:** Shows the 'Mobility Controllers' sub-category expanded, listing various product models: Mobility Master, 7200 Series Mobility Controller, 7240XM Mobility Controller Upgrade, Virtual Mobility Controller, 7000 Series Mobility Controller, ArubaOS and Controller Software, and Aruba vGateway E-STU. The 'Mobility Controllers' sub-category is highlighted with a red box.

# Aruba WLAN Product – Mobility Master

The screenshot displays the Aruba Mobility Master configuration interface. The left pane shows the 'Catalog' tree with 'Mobility Master' highlighted under 'Campus'. The right pane shows the 'Properties' for the 'Aruba Mobility Master Appliance', with the 'Select Model' section listing various hardware and virtual appliance options. The 'Mobility Master Virtual Appliance' is selected. Below this, the 'Virtual Mobility Master Licenses' section shows a table of license options with input fields for the number of devices.

Model	Support for up to	Price
MM-HW-1K Mobility Master 1000 AP HW Appliance	[ JY791A ]	\$26,7
MM-HW-5K Mobility Master 5000 AP HW Appliance	[ JY792A ]	\$44,6
MM-HW-10K Mobility Master 10000 AP HW Appliance	[ JY793A ]	\$74,4
MM-HW-1K-F1 FIPS/TAA Mobility Master 1000 AP HW Appliance	[ JZ396A ]	\$32,3
MM-HW-5K-F1 FIPS/TAA Mobility Master 5000 AP HW Appliance	[ JZ397A ]	\$53,9
MM-HW-10K-F1 FIPS/TAA Mobility Master 10000 AP HW Appliance	[ JZ398A ]	\$89,9
<b>Mobility Master Virtual Appliance</b>		
Mobility Master FIPS/TAA Virtual Appliance		

License	Price
MM-VA-50 Mobility Master Virtual Appliance (support for up to 50 devices [ JZ106AAE ])	\$2,971.00
MM-VA-500 Mobility Master Virtual Appliance (support for up to 500 devices [ JY895AAE ])	\$15,273.00
MM-VA-1K Mobility Master Virtual Appliance (support for up to 1,000 devices [ JY896AAE ])	\$25,458.00

Aruba Mobility Master Virtual Appliance

# Aruba WLAN Product – Virtual Mobility Master

Properties

Aruba Mobility Master Appliance **ArubaOS** SD-WAN Related Products Attributes Messages

### ArubaOS Software

ArubaOS is the operating system and application engine for all Aruba Mobility Controllers and controller-managed wireless LAN access devices.

ArubaOS License Bundles

Add enterprise or K12 bundled licenses or add the individual ArubaOS licenses below.

<input type="text" value="0"/>	Aruba LIC-ENT Enterprise Feature License Bundle that includes one each: LIC-AP, LIC-PEF, LIC-RFP, LIC-AW. Order in multiples of this SKU to exactly match AP capacity license enabled per controller, Airwave or a network of controllers w/ centralized licensing enabled. [JW471AAE \$436.00]
<input type="text" value="0"/>	Aruba LIC-K12-1 AP, PEF, and RFP License K12 EDU Bundle that includes one each: LIC-AP, LIC-PEF, LIC-RFP. Includes 1 Year FC Support. Order in multiples of this SKU to exactly match AP capacity license enabled per controller, Airwave or a network of controllers w/ centralized licensing enabled. [JW619AAE \$241.00]

ArubaOS Licenses

NOTE: The quantity of licenses below should all match each other and also match the number of supported access points.

<input type="text" value="100"/>	Aruba LIC-AP Controller per AP Capacity License E-LTU. Order in multiples of this license SKU based on the desired AP capacity per controller or across the network of controllers with centralized licensing enabled. [JW472AAE \$111.00]
<input type="text" value="100"/>	Aruba LIC-PEF Controller Policy Enforcement Firewall per Access Point License E-LTU. Order in multiples of this license SKU to exactly match the AP capacity license enabled per controller or a network of controllers with centralized licensing enabled. [JW473AAE \$111.00]
<input type="text" value="100"/>	Aruba LIC-RFP Controller RF Protect per Access Point License E-LTU. Order in multiples of this license SKU to exactly match the AP capacity license enabled per controller or a network of controllers with centralized licensing enabled. [JW474AAE \$111.00]

Aruba recommends that you purchase the same quantities of the following licenses: LIC-AP, LIC-PEF and LIC-RFP.

Properties

Aruba Mobility Master Appliance ArubaOS SD-WAN Related Products Attributes Messages

Property	Value
Status	Proposed
Quantity Multiplier	<input type="text" value="1"/>
ID #	
Label Option	Default
Extended Label	
Label Location	Default
Design Group	Default
Weight Shipping (kg)	-



# Aruba WLAN Product – Virtual Mobility Master

Properties

Aruba Mobility Master Appliance **ArubaOS** SD-WAN Related Products Attributes Messages

### ArubaOS Software

ArubaOS is the operating system and application engine for all Aruba Mobility Controllers and controller-managed wireless LAN access devices.

ArubaOS License Bundles


Add enterprise or K12 bundled licenses or add the individual ArubaOS licenses below.


<input type="text" value="0"/>	Aruba LIC-ENT Enterprise Feature License Bundle that includes one each: LIC-AP, LIC-PEF, LIC-RFP, LIC-AW. Order in multiples of this SKU to exactly match AP capacity license enabled per controller, Airwave or a network of controllers w/ centralized licensing enabled. [JW471AAE \$436.00]
<input type="text" value="0"/>	Aruba LIC-K12-1 AP, PEF, and RFP License K12 EDU Bundle that includes one each: LIC-AP, LIC-PEF, LIC-RFP. Includes 1 Year FC Support. Order in multiples of this SKU to exactly match AP capacity license enabled per controller, Airwave or a network of controllers w/ centralized licensing enabled. [JW619AAE \$241.00]

ArubaOS Licenses

NOTE: The quantity of licenses below should all match each other and also match the number of supported access points.

<input type="text" value="100"/>	Aruba LIC-AP Controller per AP Capacity License E-LTU. Order in multiples of this license SKU based on the desired AP capacity per controller or across the network of controllers with centralized licensing enabled. [JW472AAE \$111.00]
<input type="text" value="100"/>	Aruba LIC-PEF Controller Policy Enforcement Firewall per Access Point License E-LTU. Order in multiples of this license SKU to exactly match the AP capacity license enabled per controller or a network of controllers with centralized licensing enabled. [JW473AAE \$111.00]
<input type="text" value="100"/>	Aruba LIC-RFP Controller RF Protect per Access Point License E-LTU. Order in multiples of this license SKU to exactly match the AP capacity license enabled per controller or a network of controllers with centralized licensing enabled. [JW474AAE \$111.00]

 a Hewlett  
Enterprise

 Aruba recommends that you purchase the same quantities of the following licenses: LIC-AP, LIC-PEF and LIC-RFP.

Properties

Aruba Mobility Master Appliance ArubaOS SD-WAN Related Products Attributes Messages

Property	Value
Status	Proposed
Quantity Multiplier	<input type="text" value="1"/>
ID #	
Label Option	Default
Extended Label	
Label Location	Default
Design Group	Default
Weight Shipping (kg)	-

# Aruba WLAN Product – Mobility Controller

The screenshot displays the Aruba product catalog interface. On the left, the 'Catalog' pane shows a tree structure with 'Aruba' expanded, leading to 'Mobility Controllers' and then '7200 Series Mobility Controller', which is highlighted with a red box. The main 'Properties' pane shows the 'Aruba 7210 (RW) Controller (x2)' selected. It includes tabs for 'ArubaOS', 'Controller Licenses', 'SD-WAN', 'ACR', and 'SFP/SFP+ Ports'. The 'Controller Licenses' tab is active, showing details about the 7200 Series Mobility Controller, including its support for up to 32,000 mobile devices and 100 Gbps. An 'IMPORTANT NOTE' states that support for the controller and licenses must be selected together. Below this, there is a 'Filter by Region' dropdown set to 'Rest-Of-World' and a 'TAA/FIPS Compliant' checkbox. The 'Select Model' section lists several models, with '7210 (RW)' selected and highlighted by a red box. To the right of the catalog, a small image of the physical device is shown with the label 'Aruba 7210 (RW) Controller (x2)'.

**Aruba 7210 (RW) Controller (x2)**

7200 Series Mobility Controller | ArubaOS | Controller Licenses | SD-WAN | ACR | SFP/SFP+ Ports

a total of 80 Virtual CPUs. As a result, the 7200 series supports up to 32,000 mobile devices and performs stateful firewall policy enforcement at 100 Gbps.

The 7200 series also manages authentication, encryption, VPN connections, IPv4 and IPv6 Layer 3 services, the Aruba Policy Enforcement Firewall, Aruba Adaptive Radio Management, and Aruba RFPProtect spectrum analysis and wireless intrusion protection.

IMPORTANT NOTE: If support for the controller is selected, support for the controller licenses must also be selected. Both SKUs need to be on the HPE order.

Filter by Region

Rest-Of-World

☐ TAA/FIPS Compliant

Select Model

<input type="radio"/> 7280 (RW)	2 QSFP+ ports, 8 SFP+ ports. Supports up to 2K APs and 32K clients, extended memory with 16G SDRAM. Rest-Of-World [JX911A \$102,128.00]
<input type="radio"/> 7240XM (RW)	4 SFP+ ports, 2 dual SFP ports. Supports up to 2K APs and 32K clients, extended memory with 16G SDRAM. Rest-Of-World [JW783A \$58,198.00]
<input type="radio"/> 7240XMDC (RW)	4 SFP+ ports, 2 dual SFP ports; DC Power Supply. Supports up to 2K APs and 32K clients, extended memory with 16G SDRAM. Rest-Of-World [JW674A \$58,926.00]
<input type="radio"/> 7220 (RW)	4 SFP+ ports, 2 dual SFP ports. Supports up to 1K APs and 24K clients. Rest-Of-World [JW751A \$37,098.00]
<input type="radio"/> 7220DC (RW)	4 SFP+ ports, 2 dual SFP ports; DC Power Supply. Supports up to 1K APs and 24K clients. Rest-Of-World [JW649A \$37,827.00]
<input checked="" type="radio"/> 7210 (RW)	4 SFP+ ports, 2 dual SFP ports. Supports up to 512 APs and 16K clients. Rest-Of-World [JW743A \$24,730.00]

**7200 Series Mobility Controller**  
Optimized for 802.11ac, the 7200



# Aruba WLAN Product – Mobility Controller

Aruba 7210 (RW) Controller

7200 Series Mobility Controller

ArubaOS Software

ArubaOS is the operating system that runs on the controller-managed wireless network.

ArubaOS License Bundle

Add enterprise or K12

ArubaOS Licenses

NOTE: The quantity of supported access points is limited by the license. The quantity of supported access points is limited by the license.

0

Aruba 7210 (RW) Controller

7200 Series Mobility Controller

Aruba Policy Enforcement

The PEFV license enhances the power of a next-generation network.

LIC-7210-P

Aruba Controller

As an add-on feature for the 7200 Series Mobility Controller, the WebCC bundle includes URL Filtering IP reputation data. Updated data is used in the PEF enforcement action. The license is per access point.

Subscription term

None

None

WebCC 1 Year Subscription E-STU [JY028AAE \$51.00]

WebCC 3 Year Subscription E-STU [JY029AAE \$101.00]

WebCC 5 Year Subscription E-STU [JY030AAE \$152.00]

WebCC 7 Year Subscription E-STU [JY031AAE \$202.00]

WebCC 10 Year Subscription E-STU [JY032AAE \$256.00]

Aruba LIC-VIA Per User License E-LTU. (LIC-VIA will be supported from AOS 8.2 on all the current 7200, 7210, and VM Controllers.) [JY034AAE \$22.00]

Aruba 7210 (RW) Controller

7200 Series Mobility Controller

SD-WAN License

None

None

72xx Gateway

Aruba 7210

Aruba 7210

Aruba 7210

Aruba 7210

Aruba 7210

Aruba 7210 (RW) Controller

7200 Series Mobility Controller

Advanced Cryptography

The ACR module brings user mobility and security information.

None

None

None

None

None

None

Aruba 7210 (RW) Controller

7200 Series Mobility Controller

Dual SFP Ports

Select an SFP transceiver feature LC connectors.

Port 0

None

Port 1

None

SFP+ Ports

Select an SFP/SFP+ transceiver

Note: SFP+ Direct Attach Cable will not be added to the equipment list. It may also be added using Accessories tab.

Port 2

Aruba SFP-10GE-SR SFP+ LC SR Transceiver [JW091A \$1,813.00]

Port 3

Aruba SFP-10GE-SR SFP+ LC SR Transceiver [JW091A \$1,813.00]

Port 4

None

Aruba 7210 (RW) Controller

7200 Series Mobility Controller

Power Options

Power Supply 0

PSU-3

Power Supply 1

PSU-3

Power Cord

Please select a power cord

PC-AC

Aruba 7210 (RW) Controller (x2)

ACR

SFP/SFP+ Ports

Power Options

Related Products

Accessories

Attributes

Property

Status

Quantity Multiplier

Create Synced Set

ID #

Label Option

Extended Label

Label Location

Mounting

Utilization

Design Group

Airflow

Height (cm)

Width (cm)

Depth (cm)

Height (RU)

Power Consumption (W)

Heat Dissipation (BTU/hr)

Weight Installed (kg)

Weight Shipping (kg)

Proposed

2

FALSE

Default

Default

100%

Default

Front → Back

4.4

44.5

44.5

1

110

375.34

7.45

-

## (Practice) How to Build a BOM – Question

### Configure BOM of WLAN.

- 1) 100 units of Aruba 802.11ax AP 510 (integrated antennas).
- 2) Customer will provide enough VM resources as required for this Aruba WLAN solution.
- 3) 2 units of Aruba (LAN controller cluster) 7210 with redundant power supply and 2 x 10G uplink to the pair of distribution switch 8325 proposed in previous step. Uplink from the Aruba 7210 to the 8325 core switch via MMF OM3 cable.
- 4) 2 units of Aruba (DMZ controller cluster) 7030 uplink via 4 x 1G copper to the existing customer's DMZ switch.
- 5) The solution must support Aruba AOS8 with AirMatch, controller cluster and Multizone.
- 6) 3 years PBS support.
- 7) The solution must be cost optimization and still meet the above requirements.



# (Practice) How to Build a BOM – Answer

A	B	C	D	E	F	G	H	I	J
	Part Number	Description	Manufacturer	Unit Price	Quantity	Sub Total	Discount	Total	Price List
		Aruba Virtual Mobility Master							
	JZ106AAE	Aruba MM-VA-50 Mobility Master SW E-LTU	Hewlett Packard Enterprise	\$2,971.00	3	\$8,913.00	0.00%	\$8,913.00	Singapore Price List
	H1L06A3#WAK	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba MM-VA-50VM Master Appl Support [for JZ106AAE]	Hewlett Packard Enterprise	\$733.00	3	\$2,199.00	0.00%	\$2,199.00	Singapore Price List
		Aruba 7210 LAN Controller Cluster							
	JW743A	Aruba 7210 (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	Hewlett Packard Enterprise	\$24,730.00	2	\$49,460.00	0.00%	\$49,460.00	Singapore Price List
	H1L06A3#XA9	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba 7210 Controller Supp [for JW743A]	Hewlett Packard Enterprise	\$6,217.00	2	\$12,434.00	0.00%	\$12,434.00	Singapore Price List
	JW657A	Aruba PSU-350-AC 7200 Series S3500-24T S3500-48T and S3500-24F 350W AC Power Supply	Hewlett Packard Enterprise	\$720.00	2	\$1,440.00	0.00%	\$1,440.00	Singapore Price List
	H1L06A3#YA6	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba PSU-350-AC Support [for JW657A]	Hewlett Packard Enterprise	\$47.00	2	\$94.00	0.00%	\$94.00	Singapore Price List
	JW127A	PC-AC-UK UK AC Power Cord	Hewlett Packard Enterprise	\$7.00	4	\$28.00	0.00%	\$28.00	Singapore Price List
		10G SR Transceiver for Uplink to Aruba 8325 Distribution Switch							
	J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enterprise	\$2,191.00	8	\$17,528.00	0.00%	\$17,528.00	Singapore Price List
		Aruba 7030 DMZ Controller Cluster							
	JW686A	Aruba 7030 (RW) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	Hewlett Packard Enterprise	\$10,180.00	2	\$20,360.00	0.00%	\$20,360.00	Singapore Price List
	H1L06A3#XA0	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba 7030 Controller Supp [for JW686A]	Hewlett Packard Enterprise	\$2,560.00	2	\$5,120.00	0.00%	\$5,120.00	Singapore Price List
	JW127A	PC-AC-UK UK AC Power Cord	Hewlett Packard Enterprise	\$7.00	2	\$14.00	0.00%	\$14.00	Singapore Price List
		Aruba AP-515 (RW) Unified AP							
	Q9H62A	Aruba AP-515 (RW) Unified AP	Hewlett Packard Enterprise	\$1,621.00	100	\$162,100.00	0.00%	\$162,100.00	Singapore Price List
	H1L06A3#Y32	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba AP-515 Support [for Q9H62A]	Hewlett Packard Enterprise	\$114.00	100	\$11,400.00	0.00%	\$11,400.00	Singapore Price List
	Q9G71A	AP-MNT-MP10-D AP mount bracket 10-pack D	Hewlett Packard Enterprise	\$363.00	10	\$3,630.00	0.00%	\$3,630.00	Singapore Price List
		Aruba AP Licenses							
	JW472AAE	Aruba LIC-AP Controller per AP Capacity License E-LTU	Hewlett Packard Enterprise	\$111.00	100	\$11,100.00	0.00%	\$11,100.00	Singapore Price List
	H1L06A3#ZXQ	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba Cntrl per AP Capcty E-LTU Supp [for JW472AAE]	Hewlett Packard Enterprise	\$28.00	100	\$2,800.00	0.00%	\$2,800.00	Singapore Price List
	JW473AAE	Aruba LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU	Hewlett Packard Enterprise	\$111.00	100	\$11,100.00	0.00%	\$11,100.00	Singapore Price List
	H1L06A3#XS4	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba License PEF Contro Supp [for JW473AAE]	Hewlett Packard Enterprise	\$28.00	100	\$2,800.00	0.00%	\$2,800.00	Singapore Price List
	JW474AAE	Aruba LIC-RFP Controller RFProtect Per AP License E-LTU	Hewlett Packard Enterprise	\$111.00	100	\$11,100.00	0.00%	\$11,100.00	Singapore Price List
	H1L06A3#XR5	HPE 3Y Partner-Branded NBD Support SVC - HPE Aruba ContrlrPerAPRFProtectELTU Supp [for JW474AAE]	Hewlett Packard Enterprise	\$28.00	100	\$2,800.00	0.00%	\$2,800.00	Singapore Price List
		Quote Total						\$336,420.00	

# IRIS Configuration Tool – How To Use (Best Practice)

## Agenda

- IRIS Settings Recommendation.
- How to use IRIS to configure Aruba Switching portfolio.
- How to use IRIS to configure Aruba WLAN portfolio.
- **How to use IRIS to configure others Aruba products portfolio.**
- Use cases.
  - SMB.
  - Small/medium enterprise.
  - Large enterprise.

# Aruba Security Products Portfolio

The screenshot displays the Aruba Network Manager interface, specifically the Catalog and Properties panels.

**Catalog Panel:** The left sidebar shows a hierarchical tree of products. The 'Security' folder is expanded, and the 'ClearPass Policy Manager C-Series' is highlighted. Other products listed include Atmosphere 2019 #ATM19 #LasVegas, Switches, Access Points, Mobility Controllers, Network Management, Analytics and Assurance, Location Services, UEBA, Aruba Education Services, OfficeConnect, Data Center, Routers, HPE Pointnext, HPE Rack & Power Infrastructure, HPE Storage Networking, and [generic].

**Properties Panel:** The right pane shows the details for the 'ClearPass Policy Manager C Series HW'. The title bar indicates 'ClearPass Policy Manager C Series HW' is selected. The main content area displays the following information:

- Aruba ClearPass C3000 DL360 Gen9 HW-Based Appliance [ JZ510A ]**
- Description: Aruba's ClearPass Policy Manager, part of the Aruba 360 Secure Fabric, provides role- and device-based secure network access control for IoT, BYOD, corporate devices, as well as employees, contractors and guests across any multivendor wired, wireless and VPN infrastructure that use them.
- With a built-in context-based policy engine, RADIUS, TACACS+, non-RADIUS enforcement using OnConnect device profiling, posture assessment, onboarding, and guest access options, ClearPass is unrivaled as a foundation for network security for organizations of any size.
- NOTE: All hardware appliances come with a U.S. power cord. Power cord needs to be selected while ordering a redundant power supply or a spare.
- Click on the link to open the ClearPass Scaling and Ordering Guide.
- Select Model**
- Hardware Appliances:
 

Model	SKU	Price
<input checked="" type="radio"/> ClearPass C3000 DL360 Gen9 HW-Based Appliance	[ JZ510A ]	\$57,666.00
<input type="radio"/> ClearPass C2000 DL20 Gen9 HW Appliance	[ JZ509A ]	\$20,183.00
<input type="radio"/> ClearPass C1000 S-1200 R4 HW Appliance	[ JZ508A ]	\$10,092.00
- Virtual Appliances:
 

Model	SKU	Price
<input type="radio"/> ClearPass Cx000V VM-Based Appliance E-LTU	[ JZ399AAE ]	\$5,766.00
- Aruba ClearPass New Licensing Options**
- To purchase ClearPass Access (AAA, device profiling and Aruba 360 Security Exchange), ClearPass Onboard (automated device provisioning and certificate enrollment) and ClearPass OnGuard (advanced endpoint posture assessments), licenses click here.



## **(Practice) How to Build a BOM – Question**

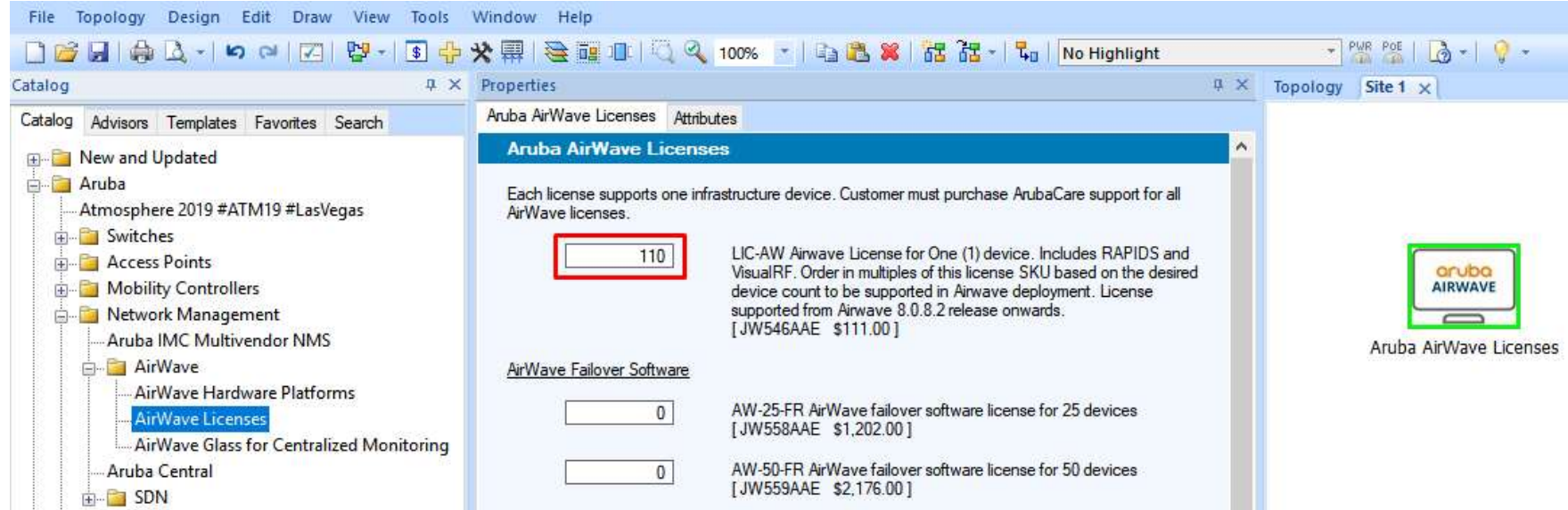
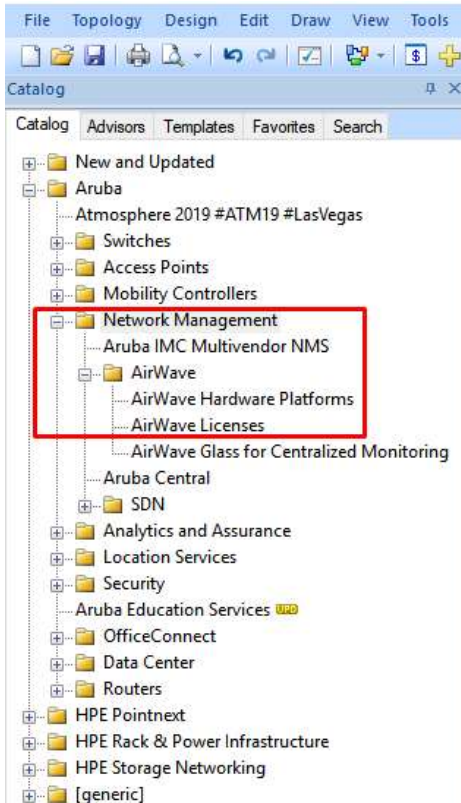
**Build a BOM of Aruba Security (ClearPass) meet below requirements.**

- 1) 2 units of Aruba ClearPass hardware appliance (for LAN).
- 2) 2 units of Aruba ClearPass hardware appliance (for DMZ captive portal)
- 3) The solution must be able to support up to 4000 concurrent corporate devices with 802.1x and 500 guest devices with captive portal.
- 4) There is a requirement to provide secured BYOD with 802.1x EAP-TLS for 1000 corporate staff, each staff is allowed to use 2 BYOD.
- 5) 3 years 24x7 supports directly from Aruba.

# (Practice) How to Build a BOM – Answer

A	B	C	D	E	F	G	H	I	J
	Part Number	Description	Manufacturer	Unit Price	Quantity	Sub Total	Discount	Total	Price List
		<b>CPPM C2K for LAN</b>							
	JZ509A	Aruba ClearPass C2000 DL20 Gen9 HW Appliance	Hewlett Packard Enterprise	\$20,183.00	2	\$40,366.00	0.00%	\$40,366.00	Singapore Price List (SGD)
	H9UL7E	Aruba 3Y FC 24x7 CP C2k DL20 G9HWApplSVC [for JZ509A]	Hewlett Packard Enterprise	\$19,279.00	2	\$38,558.00	0.00%	\$38,558.00	Singapore Price List (SGD)
	JX923A	Aruba ClearPass DL20 Spare PSU	Hewlett Packard Enterprise	\$1,153.00	2	\$2,306.00	0.00%	\$2,306.00	Singapore Price List (SGD)
	JW127A	PC-AC-UK UK AC Power Cord	Hewlett Packard Enterprise	\$7.00	4	\$28.00	0.00%	\$28.00	Singapore Price List (SGD)
		<b>CPPM C1K for DMZ</b>							
	JZ508A	Aruba ClearPass C1000 S-1200 R4 HW Appliance	Hewlett Packard Enterprise	\$10,092.00	2	\$20,184.00	0.00%	\$20,184.00	Singapore Price List (SGD)
	H9TV2E	Aruba 3Y FC 24x7 CP C1kS-1200R4HWApplSVC [for JZ508A]	Hewlett Packard Enterprise	\$9,636.00	2	\$19,272.00	0.00%	\$19,272.00	Singapore Price List (SGD)
	JW127A	PC-AC-UK UK AC Power Cord	Hewlett Packard Enterprise	\$7.00	2	\$14.00	0.00%	\$14.00	Singapore Price List (SGD)
		<b>ClearPass Licenses (4000 concurrent corporate devices with 802.1x, 500 guest devices with captive portal and 1000 staffs for BYOD)</b>							
		<b>ClearPass Access License (6500)</b>							
	JZ401AAE	Aruba ClearPass NL AC 500 CE E-LTU	Hewlett Packard Enterprise	\$18,742.00	1	\$18,742.00	0.00%	\$18,742.00	Singapore Price List (SGD)
	H9XB3E	Aruba 3Y FC 24x7 ClearPass NL AC500CESVC [for JZ401AAE]	Hewlett Packard Enterprise	\$3,799.00	1	\$3,799.00	0.00%	\$3,799.00	Singapore Price List (SGD)
	JZ402AAE	Aruba ClearPass NL AC 1K CE E-LTU	Hewlett Packard Enterprise	\$30,275.00	1	\$30,275.00	0.00%	\$30,275.00	Singapore Price List (SGD)
	H9XH3E	Aruba 3Y FC 24x7 ClearPass NL AC 1KCESVC [for JZ402AAE]	Hewlett Packard Enterprise	\$6,136.00	1	\$6,136.00	0.00%	\$6,136.00	Singapore Price List (SGD)
	JZ404AAE	Aruba ClearPass NL AC 5K CE E-LTU	Hewlett Packard Enterprise	\$100,914.00	1	\$100,914.00	0.00%	\$100,914.00	Singapore Price List (SGD)
	H9XQ7E	Aruba 3Y FC 24x7 ClearPass NL AC 5KCESVC [for JZ404AAE]	Hewlett Packard Enterprise	\$20,449.00	1	\$20,449.00	0.00%	\$20,449.00	Singapore Price List (SGD)
	JW470AAE	Aruba ClearPass Guest Custom Skin E-LTU	Hewlett Packard Enterprise	\$6,548.00	1	\$6,548.00	0.00%	\$6,548.00	Singapore Price List (SGD)
		<b>ClearPass OnBoard License (1000)</b>							
	JZ438AAE	Aruba ClearPass NL OB 1K USR E-LTU	Hewlett Packard Enterprise	\$42,888.00	1	\$42,888.00	0.00%	\$42,888.00	Singapore Price List (SGD)
	H9XK3E	Aruba 3Y FC 24x7 ClearPass NL OB1KUSRSVC [for JZ438AAE]	Hewlett Packard Enterprise	\$8,689.00	1	\$8,689.00	0.00%	\$8,689.00	Singapore Price List (SGD)
		<b>Quote Total</b>						<b>\$359,168.00</b>	

# Aruba Network Management Products Portfolio





# Aruba Network Management Products Portfolio

The screenshot displays the Aruba Network Management Products Portfolio interface, which is divided into three main sections: Catalog, Properties, and Topology.

**Catalog:** The left pane shows a hierarchical tree of products. The 'Aruba' folder is expanded, revealing sub-folders like 'Switches', 'Access Points', 'Mobility Controllers', 'Network Management', 'AirWave', 'SDN', 'Analytics and Assurance', 'Location Services', and 'Security'. The 'Aruba Central' folder is highlighted with a red box.

**Properties:** The right pane shows the details for the selected 'Aruba Central' product. It includes a description of the product, its features, and subscription options. The 'Aruba Central Device Management Subscriptions' section is highlighted with a red box, showing a dropdown menu for 'Aruba Central Device Management Sub for 3 Years [JY926AAE \$291.00]' and a quantity field set to 10. The 'Aruba Central Services Subscriptions' section is also highlighted with a red box, showing a dropdown menu for 'Aruba Central Services Subscription for 3 Years [JY929AAE \$72.00]' and a quantity field set to 30.

**Topology:** The rightmost pane shows a site topology diagram with a single device labeled 'Aruba Central'.

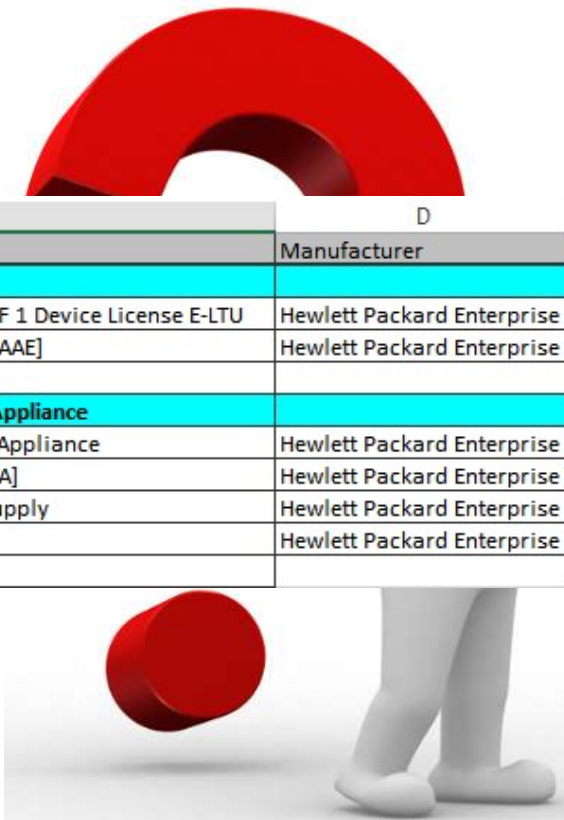
## **(Practice) How to Build a BOM – Question**

### **Build a BOM of On-Premise NMS meet below requirements:**

- 1) Provide Aruba Airwave to provide on-premise monitoring tool of wired and wireless of the previous steps BOM.
- 2) The licenses must be able to cover up to 150 Aruba network devices (Wired/Wireless LAN).
- 3) Included hardware appliance that can support up to 1500 network devices.
- 4) 3 years 24x7 supports directly from Aruba.



# (Practice) How to Build a BOM – Answer



A	B	C	D	E	F	G	H	I	J
	Part Number	Description	Manufacturer	Unit Price	Quantity	Sub Total	Discount	Total	Price List
		Aruba Airwave License							
	JW546AAE	Aruba LIC-AW Aruba Airwave with RAPIDS and VisualRF 1 Device License E-LTU	Hewlett Packard Enterprise	\$111.00	150	\$16,650.00	0.00%	\$16,650.00	Singapore Price List (SGD)
	H2YV4E	Aruba 3Y FC 24x7 Airwave 1 Dev E-LTU SVC [for JW546AAE]	Hewlett Packard Enterprise	\$43.00	150	\$6,450.00	0.00%	\$6,450.00	Singapore Price List (SGD)
		Aruba AirWave DL360 Professional Edition Hardware Appliance							
	JX918A	Aruba AirWave DL360 Professional Edition Hardware Appliance	Hewlett Packard Enterprise	\$55,288.00	1	\$55,288.00	0.00%	\$55,288.00	Singapore Price List (SGD)
	H5AT9E	Aruba 3Y FC 24x7 AW DL360 PRO Appli SVC [for JX918A]	Hewlett Packard Enterprise	\$55,147.00	1	\$55,147.00	0.00%	\$55,147.00	Singapore Price List (SGD)
	JX922A	Aruba ClearPass-Airwave DL360 500W Spare Power Supply	Hewlett Packard Enterprise	\$1,550.00	1	\$1,550.00	0.00%	\$1,550.00	Singapore Price List (SGD)
	JW127A	PC-AC-UK UK AC Power Cord	Hewlett Packard Enterprise	\$7.00	2	\$14.00	0.00%	\$14.00	Singapore Price List (SGD)
		Quote Total						\$135,099.00	

## **(Practice) How to Build a BOM – Question**

### **Build a BOM of SDBranch meet below requirements:**

- 1) Provide Aruba SDBranch for 2 new opened small branches, each branch need:  
10 x AP515, 2 x 2930F 24 ports PoE, 2 x 7005 Branch Gateway.
- 2) There are 2 x 7210 VPNC deployed at Data Centre to terminate SDWAN (IPSEC VPN overlay) from these two branches.
- 3) Provide guest WiFi for these two branches with captive portal and support password delivery via SMS to visitor.
- 4) 3 years subscription and 8x5xNBD hardware support.

# (Practice) How to Build a BOM – Answer

A	B	C	D	E	F	G	H	I	J
	Part Number	Description	Manufacturer	Unit Price	Quantity	Sub Total	Discount	Total	Price List
		Aruba AP-515 (RW) Unified AP							
	Q9H62A	Aruba AP-515 (RW) Unified AP	Hewlett Packard Enterprise	\$1,621.00	20	\$32,420.00	0.00%	\$32,420.00	Singapore Price List
	HC4K0E	Aruba 3Y FC NBD Exch AP-515 SVC [for Q9H62A]	Hewlett Packard Enterprise	\$176.00	20	\$3,520.00	0.00%	\$3,520.00	Singapore Price List
	Q9G71A	AP-MNT-MP10-D AP mount bracket 10-pack D	Hewlett Packard Enterprise	\$363.00	2	\$726.00	0.00%	\$726.00	Singapore Price List
		Aruba 2930F 24G PoE+ 4SFP+ Switch							
	JL255A	Aruba 2930F 24G PoE+ 4SFP+ Switch	Hewlett Packard Enterprise	\$5,119.00	4	\$20,476.00	0.00%	\$20,476.00	Singapore Price List
	JL255A ACC	INCLUDED: Power Cord - United Kingdom localization	Hewlett Packard Enterprise	incl.	4				
	H1YN9E	HPE 3Y FC NBD Exch Aruba 2930F 24G 4 SVC [for JL255A]	Hewlett Packard Enterprise	\$883.00	4	\$3,532.00	0.00%	\$3,532.00	Singapore Price List
	J9281D	Aruba 10G SFP+ to SFP+ 1m DAC Cable	Hewlett Packard Enterprise	\$274.00	4	\$1,096.00	0.00%	\$1,096.00	Singapore Price List
		Aruba 7005 - Branch Gateway							
	JW633A	Aruba 7005 (RW) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	Hewlett Packard Enterprise	\$2,176.00	4	\$8,704.00	0.00%	\$8,704.00	Singapore Price List
	H2ZT9E	Aruba 3Y FC NBD Exch 7005 Controller SVC [for JW633A]	Hewlett Packard Enterprise	\$844.00	4	\$3,376.00	0.00%	\$3,376.00	Singapore Price List
	JZ119AAE	Aruba 70xx Gateway Foundation 3yr Sub E-STU	Hewlett Packard Enterprise	\$3,502.00	4	\$14,008.00	0.00%	\$14,008.00	Singapore Price List
		Aruba 7210 - VPN Concentrator							
	JW743A	Aruba 7210 (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	Hewlett Packard Enterprise	\$24,730.00	2	\$49,460.00	0.00%	\$49,460.00	Singapore Price List
	H3DR9E	Aruba 3Y FC NBD Exch 7210 Controller SVC [for JW743A]	Hewlett Packard Enterprise	\$9,564.00	2	\$19,128.00	0.00%	\$19,128.00	Singapore Price List
	JW657A	Aruba PSU-350-AC 7200 Series S3500-24T S3500-48T and S3500-24F 350W AC Power Supply	Hewlett Packard Enterprise	\$720.00	2	\$1,440.00	0.00%	\$1,440.00	Singapore Price List
	H6SC9E	Aruba 3Y FC NBD Exch PSU-350-AC SVC [for JW657A]	Hewlett Packard Enterprise	\$73.00	2	\$146.00	0.00%	\$146.00	Singapore Price List
	JW127A	PC-AC-UK UK AC Power Cord	Hewlett Packard Enterprise	\$7.00	4	\$28.00	0.00%	\$28.00	Singapore Price List
	J9150D	Aruba 10G SFP+ LC SR 300m MMF Transceiver	Hewlett Packard Enterprise	\$2,191.00	4	\$8,764.00	0.00%	\$8,764.00	Singapore Price List
	JZ196AAE	Aruba 72xx Gateway Foundation 3yr Sub E-STU	Hewlett Packard Enterprise	\$35,017.00	2	\$70,034.00	0.00%	\$70,034.00	Singapore Price List
		Aruba Central Licenses							
	JY926AAE	Aruba Central Device Management 1 Token 3 Year Subscription E-STU	Hewlett Packard Enterprise	\$291.00	24	\$6,984.00	0.00%	\$6,984.00	Singapore Price List
	JY929AAE	Aruba Central Cloud Services 1 Token 3 Year Subscription E-STU	Hewlett Packard Enterprise	\$72.00	20	\$1,440.00	0.00%	\$1,440.00	Singapore Price List
		Quote Total						\$245,282.00	

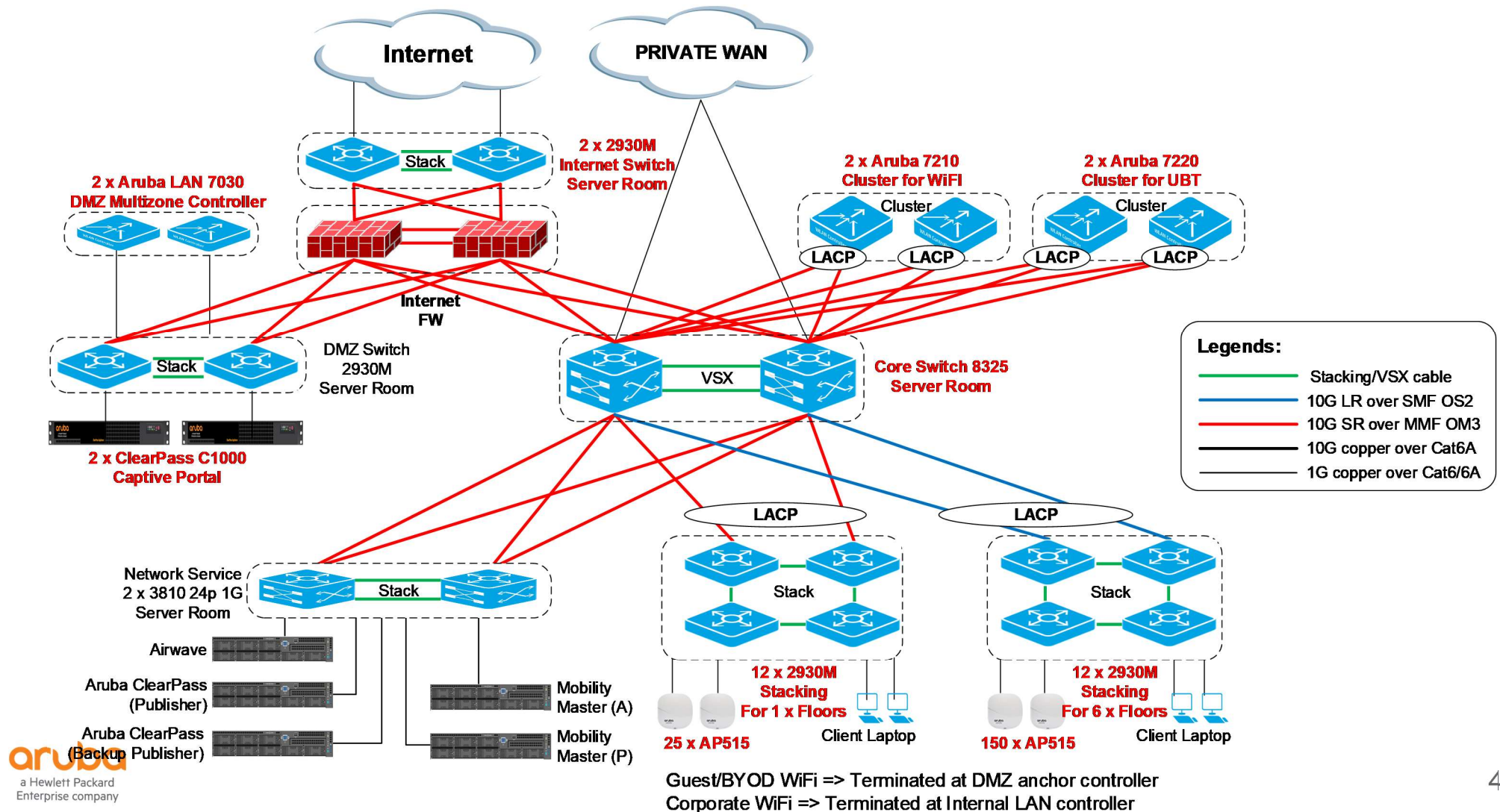
# IRIS Configuration Tool – How To Use (Best Practice)

## Agenda

- How to use IRIS to configure Aruba Switching portfolio.
- How to use IRIS to configure Aruba WLAN portfolio.
- How to use IRIS to configure others Aruba products portfolio.
- **Use cases.**



# (Practice) How to Build a BOM – Full Scale Diagram





## **(Practice) How to Build a BOM – Question**





Thank  
You