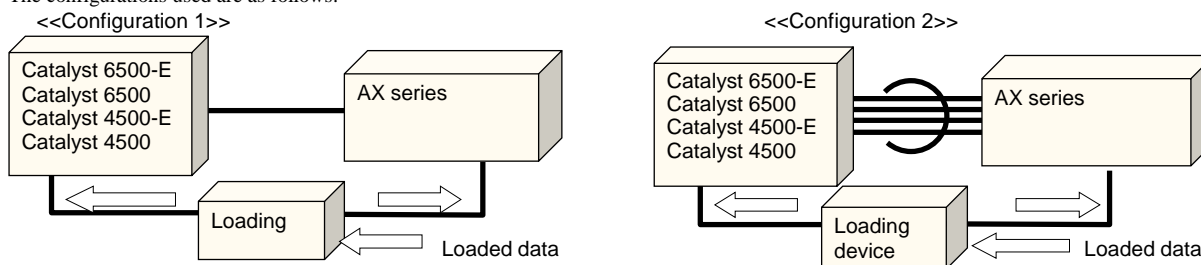


We have verified the interconnectivity between Cisco products (Catalyst 6500-E/Catalyst 6500/Catalyst 4500-E/Catalyst 4500) and ALAXALA products (AX Series). (Rev.1) 2010.3.31

1. Configuration

The configurations used are as follows:



Catalyst 6500-E (WS-C6506-E) : Cisco IOS 12.2 (33) SXH3

Catalyst 4500-E (WS-C4507R-E): Cisco IOS 12.2 (46) SG

Catalyst 6500 (WS-C6506) : Cisco IOS 12.2 (18) SXF9

Catalyst 4500 (WS-C4507R) : Cisco IOS 12.2 (25) EWA4

2. Results

We have verified the interconnectivity between Cisco Catalyst 6500-E/6500/4500-E/4500 and AX products. The verified items and results are as follows:

Verified item				Result	
Layer 1	Link-up and communications	UTP	Auto Nego (10/100TX) Auto Nego (10/100/1000T) 10BASE-T Fixed 100BASE-TX Fixed	OK	
		Optical	Auto Nego (1000BASE-X) 1000BASE-X Fixed 10GBASE-R Fixed	OK	
		Jumbo frame	UTP	Auto Nego (10/100TX) Auto Nego (10/100/1000T)	OK
			Optical	Auto Nego (1000BASE-X) 10GBASE-R Fixed	
	Link aggregation	static	UTP	Auto Nego (10/100/1000T)	OK
			Optical	Auto Nego (1000BASE-X) 10GBASE-R Fixed	
		lacp	UTP	Auto Nego (10/100/1000T)	OK
			Optical	Auto Nego (1000BASE-X) 10GBASE-R Fixed	
Layer 2	VLAN		tag-vlan	OK	
	Redundancy	STP Basic	STP	OK	
			RSTP		
			MSTP	OK	
		STP Extended	PVST+		
	RAPID-PVST+				
Layer 3	Routing		RIP1	OK	
			RIP2		
			OSPF		
			BGP4		
	Multicast		PIM-SM	OK	
			PIM-SSM		
	IPv6 routing	Dual stack	OK		

3. Notes

The points to be noted when connecting Catalyst and AX products are as follows:

Layer	No.	Description
Layer 1	1	For 10 Mbps UTP or 100 Mbps UTP fixed connection, use a crossover cable.
Layer 2	1	MST provides no interconnectivity between the preceding standards implemented in older IOS releases and AX. Interconnection with the IEEE 802.1s standard (MST) must meet the following conditions : <ul style="list-style-type: none"> Catalyst 6500: IOS Release 12.2 (18) SXF or later Catalyst 4500: IOS Release 12.2 (25) SG or later
	2	IEEE 802.3ah/UDLD provide no interconnectivity between Catalyst and AX.
Layer 3	1	To interoperate between the Catalyst 6500/4500 and AX series to run IPv6 multicasting, the range of priority values that can be set to determine a rendezvous point differs. Set the priority to a value between 0 and 192.

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* The information in this document consists of results verified under an environment specified by ALAXALA.

We do not guarantee the same results under all conditions, and behavior might be different in an actual environment.