

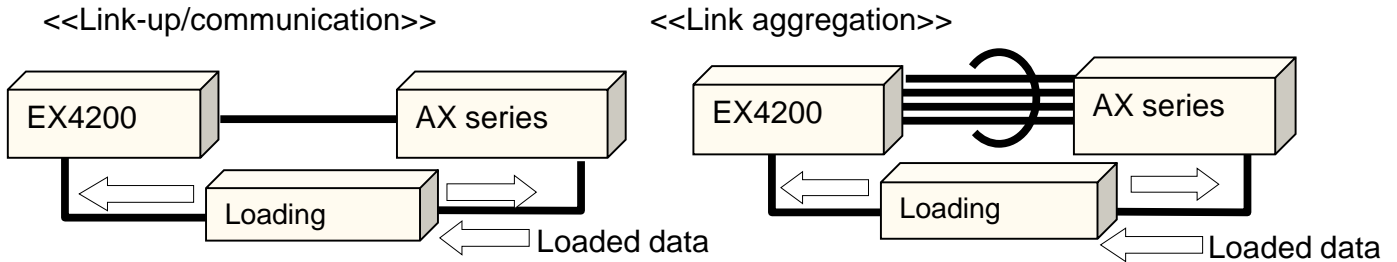
We have verified the interconnectivity between Juniper EX4200 and ALAXALA products (AX series).

Doc. No. NTS-09-R-045

(Rev.0)

2010.2.26

1. Evaluation on link-up/communication and link aggregation



Results

Device type	Interface	Link-up/ communication	Link aggregation	
		Result	Static Result	LACP Result
EX4200-24T	UTP	OK	OK	OK

Interfaces used for evaluation

UTP: Auto Nego(10/100TX), Auto Nego(10/100/1000T), 10BASE-T(fixed), 100BASE-TX(fixed), 1000BASE-T(fixed)

Link-up/communication

The results showed the expected transmission speeds in both half-duplex/full-duplex modes.

Link aggregation

Switching was achieved within 1 sec. of disconnection time in most. However, disconnection time in line fault detection with 1000BASE-T is longer than with 100BASE-TX. This is due to the physical layer standard for link-down detection (IEEE802.1ab).

[Reference] Time periods (ms) specified in IEEE802.1ab for line fault detection
clock master: 750±10, clock slave: 350±5

2. STP, RSTP



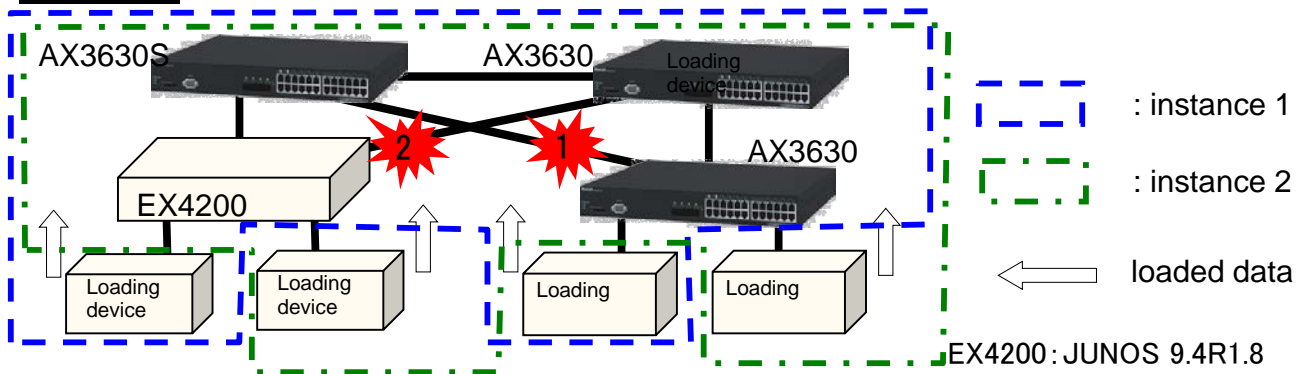
Results

Device type	Interface	STP	RSTP
		Result	Result
EX4200-24T	UTP	OK	OK

STP configuration, RSTP configuration

Packets were transmitted without causing a loop and also transmitted after topology change upon line fault occurrence/recovery.

3. MSTP



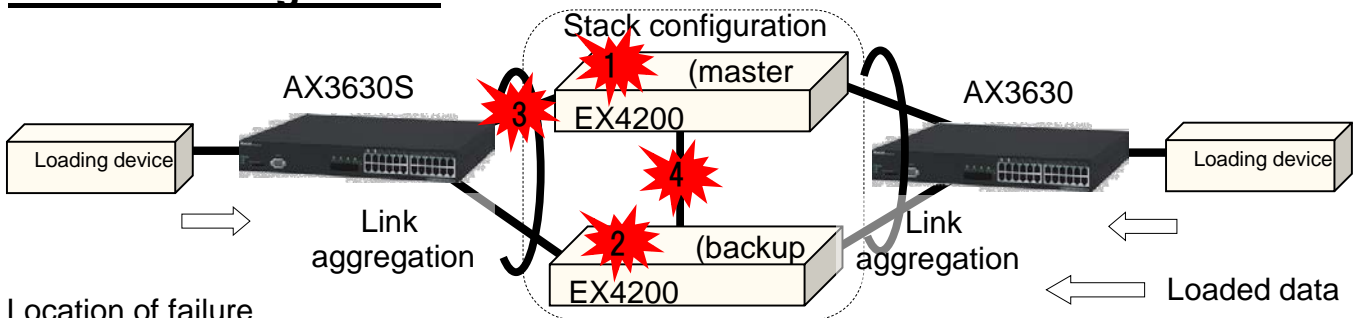
Results

Device type	Interface	Result
EX4200-24T	UTP	OK

MSTP configuration

Packets were transmitted without causing a loop. In each instance, topology change was achieved upon line fault occurrence/recovery and communication was established.

4. Stack configuration



Location of failure

- 1 Stack configuration device (master) : power shut off
- 2 Stack configuration device (backup) : power shut off
- 3 UTP cable : cable disconnected
- 4 Stack cable : one stack cable disconnected

Results

Verified items		Link aggregation			Remarks
		Static Result	LACP(Long) Result	LACP(Short) Result	
Stack configuration dev (master)	Fault occurrence	OK	OK	OK	Confirmed that packets could flow without causing communication failure.
	Fault recovery	OK	OK	OK	
Stack configuration dev (backup)	Fault occurrence	OK	OK	OK	
	Fault recovery	OK	OK	OK	
UTP cable	Fault occurrence	OK	OK	OK	
	Fault recovery	OK	OK	OK	
Stack cable	Fault occurrence	OK	OK	OK	
	Fault recovery	OK	OK	OK	

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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.