



AV Network Best Practices (Araknis Configuration)

"The network is the foundation of a reliable system."

Best Practice's AV Network

Not All Managed Switches are Created Equal

"There are AV Centric Managed Switches Pre-configured out of the box and some Managed Switches Need to be Configured to Support Information Below"

All Araknis Managed Switches are Layer 2 and will work more efficiently with the following Configurations.

Please note that Layer 2 Managed Switches are not ideal for today's Consumer Electronics Infrastructure.

Enable STP, Set to:

- MSTP (Multiple Spanning Tree Protocol) *“Because Android/Google TV Uses Ethernet [V]LAN or inter-VLAN”*

Root Bridge Priority:

- Default 32768 Should Be Fine

GLOBAL SETTINGS

STATUS
SYSTEM
PORTS

SETTINGS
SYSTEM
PORTS
VLANS
LINK AGGREGATION
ACCESS MANAGEMENT

MAINTENANCE
PING TEST
TRACE ROUTE
FILE MANAGEMENT
RESTART DEVICE
LOG OUT

ADVANCED
PORT STATISTICS
RUNNING CONFIG
NEIGHBORS
MAC ADDRESS TABLE
LLDP
MULTICAST
IGMP SNOOPING
MLD SNOOPING
STP
GLOBAL SETTINGS
CIST SETTINGS
MST SETTINGS
VLANS
SECURITY
RMON
QOS
ACL
SNMP
LACP
LOG

CLOUD SERVICE: Connected System Time: 2022-07-19 15:01:37 System Uptime: 0d 01:07

GLOBAL SETTINGS

Settings

STP State Enabled Disabled

Force Version MSTP

Configuration Name [REDACTED] (char: 0 - 32)

Configuration Revision 0 (0-65535)

Root Bridge Information

Root Address	[REDACTED]
Priority	32768
Cost	0
Port	-
Forward Delay	15 (sec)
Maximum Age	20 (sec)
Hello Time	2 (sec)

Basic Setting

Bridge Address	[REDACTED]
Priority	32768 (4096*N)
Maximum Hop	20 (1-40)
Forward Delay	15 (4-30)
Maximum Age	20 (6-40)
TX Hold Count	6 (1-10)
Hello Time	2 (1-10)

Apply Cancel

Make sure its Enabled

Change from RSTP to MSTP

Click Apply

Port Settings:

- Set All to Priority 128

- ✓ STATUS
 - SYSTEM
 - PORTS
- ⌵ SETTINGS
 - SYSTEM
 - PORTS
 - VLANS
 - LINK AGGREGATION
 - ACCESS MANAGEMENT
- 🔧 MAINTENANCE
 - PING TEST
 - TRACE ROUTE
 - FILE MANAGEMENT
 - RESTART DEVICE
 - LOG OUT
- ⚙️ **ADVANCED**
 - PORT STATISTICS
 - RUNNING CONFIG
 - ▷ NEIGHBORS
 - MAC ADDRESS TABLE
 - LLDP
 - ▷ MULTICAST
 - IGMP SNOOPING
 - MLD SNOOPING
 - ▲ STP
 - GLOBAL SETTINGS
 - ▶ **CIST SETTINGS**
 - MST SETTINGS
 - ▷ VLANS
 - ▷ SECURITY
 - ▷ RMON
 - ▷ QOS
 - ▷ ACL
 - ▷ SNMP
 - LACP
 - LOG

CIST SETTINGS

Confirm All Priority is 128

Port Settings

Port	Priority	Path Cost Conf / Oper
1	128	0 /20000
2	128	0 /20000
3	128	0 /20000
4	128	0 /20000
5	128	0 /20000
6	128	0 /20000
7	128	0 /20000
8	128	0 /20000
SFP1	128	0 /20000
SFP2	128	0 /20000
LAG1	128	0 /20000
LAG2	128	0 /20000
LAG3	128	0 /20000
LAG4	128	0 /20000
LAG5	128	0 /20000
LAG6	128	0 /20000

Search

