



vagrant vm-compliant

Manufacturer

vagrant

Model

vm-compliant

Firmware

123

MAC Address

f0:d4:e2:f2:f5:41

Device Configuration

- ✓ Protocol
- ✓ Services
- ✓ Connection
- ✓ TLS
- ✓ DNS
- ✓ NTP

Test Status

Complete

Test Result

Compliant

Started

2025-12-23 13:26:40

Duration

19m 44s

Results List (43/43)

Name	Description	Result	Required result
protocol.valid_bacnet	BACnet device discovered	Compliant	👍 Recommended
protocol.bacnet.version	Device uses BACnet version 1.24	Compliant	👍 Recommended
protocol.valid_modbus	Valid modbus communication detected Established connection to modbus port: 502 Holding registers succesfully read: 0:5 Input registers succesfully read: 0:5 Coil registers succesfully read: 0:1 Discrete inputs succesfully read: 0:1	Compliant	👍 Recommended
security.services.ftp	No FTP server found	Compliant	✳ Required
security.ssh.version	SSH server found running 9.6p1 Ubuntu 3ubuntu13.14 Ubuntu Linux; protocol 2.0	Compliant	✳ Required
security.services.telnet	No telnet server found	Compliant	✳ Required
security.services.smtp	No SMTP server found	Compliant	✳ Required
security.services.http	No HTTP server found	Compliant	✳ Required



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Results List (43/43)

Name	Description	Result	Required result
security.services.pop	No POP server found	Compliant	✳ Required
security.services.imap	No IMAP server found	Compliant	✳ Required
security.services.snmpv3	No SNMP server found	Compliant	✳ Required
security.services.vnc	No VNC server found	Compliant	✳ Required
security.services.tftp	No TFTP server found	Compliant	✳ Required
ntp.network.ntp_server	No NTP server found	Compliant	✳ Required
protocol.services.bacnet	Found BACnet server running on port 47808/udp	Informational	i Informational
connection.port_link	No port errors detected	Compliant	✳ Required
connection.port_speed	Successfully auto-negotiated speeds above 10 Mbps Speed negotiated: 1000Mb/s	Compliant	✳ Required
connection.port_duplex	Successfully auto-negotiated full duplex Duplex negotiated: Full	Compliant	✳ Required
connection.switch.arp_inspection	Device uses ARP correctly	Compliant	✳ Required
connection.switch.dhcp_snoopi...	Device does not act as a DHCP server	Compliant	✳ Required
connection.dhcp_address	Device responded to leased IP address	Compliant	✳ Required
connection.mac_address	MAC address found: f0:d4:e2:f2:f5:41	Compliant	✳ Required
connection.mac_oui	OUI Manufacturer found: Dell Inc.	Compliant	✳ Required
connection.private_address	All subnets are supported	Compliant	✳ Required
connection.shared_address	All subnets are supported	Compliant	✳ Required
connection.dhcp_disconnect	Device received a DHCP lease after disconnect	Compliant	✳ Required



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Results List (43/43)

Name	Description	Result	Required result
connection.dhcp_disconnect_ip...	Device received expected IP address after disconnect	Compliant	✳ Required
connection.single_ip	Device is using a single IP address	Compliant	✳ Required
connection.target_ping	Device responds to ping	Compliant	✳ Required
connection.ipaddr.ip_change	Device has accepted an IP address change	Compliant	✳ Required
connection.ipaddr.dhcp_failover	Secondary DHCP server lease confirmed active in device	Compliant	✳ Required
connection.ipv6_slaac	Device has formed SLAAC address fd10:77be:4186::2	Compliant	✳ Required
connection.ipv6_ping	Device responds to IPv6 ping on fd10:77be:4186::2	Compliant	✳ Required
security.tls.v1_0_client	TLS 1.0 or higher detected Completed handshake detected from server: 142.250.120.103. Completed handshake detected from server: 104.154.89.105. Completed handshake detected from server: 142.250.120.147. Completed handshake detected from server: 142.250.120.105. Completed handshake detected from server: 142.250.120.106. Completed handshake detected from server: 142.250.120.99. Completed handshake detected from server: 142.250.120.104. Completed handshake detected from server: 104.154.89.105. Completed handshake detected from server: 142.250.120.103. Completed handshake detected from server: 142.250.120.147. Completed handshake detected from server: 142.250.120.105. Completed handshake detected from server: 142.250.120.106. Completed handshake detected from server: 142.250.120.99. Completed handshake detected from server: 142.250.120.104.	Compliant	✳ Required if Applicable
security.tls.v1_2_server	TLS 1.2 certificate valid on ports: 443 TLS 1.2 validated on port 443: Certificate has a valid time range RSA key length passed: 2048 >= 2048 Device signed by cert:/testrun/root_certs/myorgca.pem TLS 1.3 validated on port 443: Certificate has a valid time range RSA key length passed: 2048 >= 2048 Device signed by cert:/testrun/root_certs/myorgca.pem	Compliant	✳ Required if Applicable



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Results List (43/43)

Name	Description	Result	Required result
security.tls.v1_2_client	TLS 1.2 client connections valid Completed handshake detected from server: 142.250.120.103. Completed handshake detected from server: 104.154.89.105. Completed handshake detected from server: 142.250.120.147. Completed handshake detected from server: 142.250.120.105. Completed handshake detected from server: 142.250.120.106. Completed handshake detected from server: 142.250.120.99. Completed handshake detected from server: 142.250.120.104.	Compliant	Required if Applicable
security.tls.v1_3_server	TLS 1.3 certificate valid on ports: 443 Certificate has a valid time range RSA key length passed: 2048 >= 2048 Device signed by cert:/testrun/root_certs/myorgca.pem	Informational	Informational
security.tls.v1_3_client	TLS 1.3 client connections valid Completed handshake detected from server: 104.154.89.105. Completed handshake detected from server: 142.250.120.103. Completed handshake detected from server: 142.250.120.147. Completed handshake detected from server: 142.250.120.105. Completed handshake detected from server: 142.250.120.106. Completed handshake detected from server: 142.250.120.99. Completed handshake detected from server: 142.250.120.104.	Informational	Informational
dns.network.hostname_resolution	DNS traffic detected from device	Compliant	Required
dns.network.from_dhcp	DNS traffic detected only to DHCP provided server	Informational	Informational
dns.mdns	MDNS traffic detected from device	Informational	Informational
ntp.network.ntp_support	Device sent NTPv4 packets	Compliant	Required
ntp.network.ntp_dhcp	Device sent NTP request to DHCP provided server	Compliant	Roadmap



Services Module

TCP ports open	UDP ports open	Total ports open
3	1	4

Port	State	Service	Version
22/tcp	open	ssh	9.6p1 Ubuntu 3ubuntu13.14 Ubuntu Linux; protocol 2.0
443/tcp	open	http	1.24.0 Ubuntu
502/tcp	open	modbus	
47808/udp	open	bacnet	



TLS Module

Expiry	Length	Type	Port number	Signed by
2026-12-23 12:25:41	1117	RSA	443	MyOrgCA

Certificate Information

Property	Value
Version	3 (0x2)
Signature Alg.	sha256WithRSAEncryption
Validity from	2025-12-23 12:25:41
Valid to	2026-12-23 12:25:41

Subject Information

Property	Value
C	RU
O	MyOrganization
CN	192.168.121.227

Certificate Extensions

Property	Value
subjectAltName	
subjectKeyIdentifier	digest=6cd26e18724344bcac6fc8e49b7957d049808930
authorityKeyIdentifier	key_identifier=d76797703a0fdf20cc036075fa6462800f1ade88, authority_cert_issuer=None, authority_cert_serial_number=None



Outbound Connections

Destination IP	Port
104.154.89.105	1010
142.250.120.99	443
104.154.89.105	1012
104.154.89.105	443
142.250.120.106	443
142.250.120.103	443
142.250.120.147	443
142.250.120.105	443
142.250.120.104	443
224.0.0.251	5353



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DNS Module

Requests to local DNS server

887

Requests to external DNS servers

37

Total DNS requests

924

Total DNS responses

912

Source	Destination	Resolved IP	Type	URL	Count
10.10.10.14	10.10.10.4	N/A	Query	tls-v1-2.badssl.com	232
10.10.10.4	10.10.10.14	N/A	Response	tls-v1-2.badssl.com	152
10.10.10.4	10.10.10.14	104.154.89.105	Response	tls-v1-2.badssl.com	80
10.10.10.14	10.10.10.4	N/A	Query	tls13.badssl.com	197
10.10.10.4	10.10.10.14	N/A	Response	tls13.badssl.com	149
10.10.10.14	10.10.10.4	N/A	Query	www.google.com	174
10.10.10.4	10.10.10.14	142.250.109.105	Response	www.google.com	20
10.10.10.14	10.10.10.4	N/A	Query	tls-v1-0.badssl.com	161
10.10.10.4	10.10.10.14	N/A	Response	tls-v1-0.badssl.com	148
10.10.10.4	10.10.10.14	142.250.109.103	Response	www.google.com	16
10.10.10.4	10.10.10.14	142.250.109.104	Response	www.google.com	17
10.10.10.4	10.10.10.14	142.250.109.99	Response	www.google.com	17
10.10.10.4	10.10.10.14	142.250.109.106	Response	www.google.com	17
10.10.10.4	10.10.10.14	142.250.109.147	Response	www.google.com	18
10.10.10.4	10.10.10.14	2a00:1450:4001:80e: :2004	Response	www.google.com	42



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Requests to local DNS server	Requests to external DNS servers	Total DNS requests	Total DNS responses
887	37	924	912

Source	Destination	Resolved IP	Type	URL	Count
10.10.10.4	10.10.10.14	N/A	Query	tls-v1-0.badssl.com	1
10.10.10.4	10.10.10.14	104.154.89.105	Response	tls-v1-0.badssl.com	12
10.10.10.4	10.10.10.14	104.154.89.105	Response	tls13.badssl.com	48
192.168.121.227	10.10.10.4	N/A	Query	tls13.badssl.com	8
10.0.0.100	224.0.0.251	N/A	Query	TestService._http._tcp.local	3
10.0.0.100	10.10.10.4	N/A	Query	tls-v1-0.badssl.com	2
10.0.0.100	224.0.0.251	N/A	Response	N/	1
10.0.0.100	224.0.0.251	10.0.0.100	Response	N/	3
10.0.0.100	224.0.0.251	fd10:77be: 4186:0:f2d4:e2ff :fef2:f541	Response	N/	2
10.0.0.100	10.10.10.4	N/A	Query	www.google.com	10
172.16.222.41	224.0.0.251	N/A	Query	TestService._http._tcp.local	3
172.16.222.41	224.0.0.251	N/A	Response	N/	1
172.16.222.41	224.0.0.251	172.16.222.41	Response	N/	3
172.16.222.41	224.0.0.251	fd10:77be: 4186:0:f2d4:e2ff :fef2:f541	Response	N/	2
172.16.222.41	10.10.10.4	N/A	Query	www.google.com	10



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Requests to local DNS server

887

Requests to external DNS servers

37

Total DNS requests

924

Total DNS responses

912

Source	Destination	Resolved IP	Type	URL	Count
192.168.240.6	224.0.0.251	N/A	Query	TestService._http._tcp.local	3
192.168.240.6	224.0.0.251	N/A	Response	N/	2
192.168.240.6	224.0.0.251	192.168.240.6	Response	N/	3
192.168.240.6	10.10.10.4	N/A	Query	www.google.com	12
192.168.240.6	224.0.0.251	fd10:77be: 4186:0:f2d4:e2ff: fef2:f541	Response	N/	1
10.10.10.14	224.0.0.251	N/A	Response	N/	9
10.10.10.14	224.0.0.251	N/A	Query	TestService._http._tcp.local	15
10.10.10.14	224.0.0.251	10.10.10.14	Response	N/	15
10.10.10.4	10.10.10.14	2a00:1450:4025:80 0::69	Response	www.google.com	4
10.10.10.14	224.0.0.251	fd10:77be: 4186:0:f2d4:e2ff: fef2:f541	Response	N/	9
10.10.10.4	10.10.10.14	2a00:1450:4025:80 0::6a	Response	www.google.com	2
10.10.10.4	10.10.10.14	2a00:1450:4025:80 0::63	Response	www.google.com	3
10.10.10.4	10.10.10.14	2a00:1450:4025:80 0::93	Response	www.google.com	1
10.10.10.4	10.10.10.14	2a00:1450:4025:80 0::67	Response	www.google.com	2
10.10.10.4	10.10.10.14	2a00:1450:4025:80 0::68	Response	www.google.com	1



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Requests to local DNS server	Requests to external DNS servers	Total DNS requests	Total DNS responses
887	37	924	912

Source	Destination	Resolved IP	Type	URL	Count
192.168.121.227	10.10.10.4	N/A	Query	tls-v1-0.badssl.com	2
192.168.121.227	10.10.10.4	N/A	Query	tls-v1-2.badssl.com	1
100.64.134.249	224.0.0.251	N/A	Query	TestService._http._tcp.local	3
100.64.134.249	224.0.0.251	N/A	Response	N/	2
100.64.134.249	224.0.0.251	100.64.134.249	Response	N/	3
100.64.134.249	10.10.10.4	N/A	Query	tls-v1-0.badssl.com	2
100.64.134.249	224.0.0.251	fd10:77be: 4186:0:f2d4:e2ff: :fef2:f541	Response	N/	1
10.10.10.14	224.0.0.251	fe80::f2d4:e2ff: fef2:f541	Response	N/	4
10.10.10.30	224.0.0.251	N/A	Response	N/	4
10.10.10.30	224.0.0.251	N/A	Query	TestService._http._tcp.local	6
10.10.10.30	224.0.0.251	10.10.10.30	Response	N/	6
10.10.10.30	10.10.10.4	N/A	Query	tls-v1-0.badssl.com	26
10.10.10.4	10.10.10.30	104.154.89.105	Response	tls-v1-0.badssl.com	13
10.10.10.4	10.10.10.30	N/A	Response	tls-v1-0.badssl.com	13
10.10.10.30	10.10.10.4	N/A	Query	tls-v1-2.badssl.com	26



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Requests to local DNS server	Requests to external DNS servers	Total DNS requests	Total DNS responses
887	37	924	912

Source	Destination	Resolved IP	Type	URL	Count
10.10.10.4	10.10.10.30	104.154.89.105	Response	tls-v1-2.badssl.com	13
10.10.10.4	10.10.10.30	N/A	Response	tls-v1-2.badssl.com	13
10.10.10.30	10.10.10.4	N/A	Query	tls13.badssl.com	24
10.10.10.4	10.10.10.30	104.154.89.105	Response	tls13.badssl.com	12
10.10.10.4	10.10.10.30	N/A	Response	tls13.badssl.com	12
10.10.10.30	224.0.0.251	fd10:77be:4186:0:f2d4:e2ff:fef2:f541	Response	N/	2
10.10.10.14	224.0.0.251	N/A	Query	1.4.5.f.2.f.e.f.f.f.2.e.4.d.2.f.0.0.0.0.0.0.0.0.0.0.0.0.8.e.f.ip6.arpa	3
10.10.10.4	10.10.10.14	2a00:1450:4001:80b::2004	Response	www.google.com	14



NTP Module

Requests to local NTP server	Requests to external NTP servers	Total NTP requests	Total NTP responses
42	0	42	42

Source	Destination	Type	Version	Count	Sync Request Average
10.10.10.14	10.10.10.5	Client	4	34	34.981 seconds
10.10.10.5	10.10.10.14	Server	4	34	N/A
10.10.10.30	10.10.10.5	Client	4	8	10.049 seconds
10.10.10.5	10.10.10.30	Server	4	8	N/A



Device profile

Question		Answer
1.	What type of device is this?	IoT Gateway
2.	Please select the technology this device falls into	Hardware - Air quality
3.	Does your device process any sensitive information?	No
4.	Can all non-essential services be disabled on your device?	No
5.	Is there a second IP port on the device?	No
6.	Can the second IP port on your device be disabled?	No