



## Brownfield Validation Messages

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### Error Messages Encountered During Brownfield Validation

The following table provides a description of the error messages encountered during the Brownfield validation process:

*Table A-1 Error Messages in Brownfield Validation*

Error Messages	Description
Username configuration must have privilege level 15.	<p>Configure a username with privilege level 15 on the device.</p> <p><b>Example:</b>  <code>username username privilege 15 password 0 password</code></p>
PfR configuration must not be present on the device.	<p>Ensure that Performance Routing (PfR) configuration is not present on the device.</p> <p><b>Example:</b>  <code>no domain ONE</code></p>
QoS configuration must not be present on the device.	<p>Ensure that Quality of Service (QoS) configuration is not present on the device.</p> <p><b>Example:</b>  <code>no class-map match-any nbar-12-cl#VOICE  no policy-map nbar-12-cl#  no policy-map  IWAN-INTERFACE-SHAPE-ONLY-INTERNET  no service-policy input nbar-12-cl#  no service-policy output  IWAN-INTERFACE-SHAPE-ONLY-INTERNET</code></p>

Error Messages	Description
Interface loopback 47233 must not be configured on the device.	<p>Remove interface loopback 47233 from the device.</p> <p><b>Example:</b>  <code>no interface loopback47233</code></p>
IWAN trustpoint configuration must not be present on device.	<p>Remove Cisco IWAN trustpoint configuration from the device.</p> <p><b>Example:</b>  <code>no crypto pki trustpoint  sdn-network-infra-iwan</code></p>
VPN routing and forwarding (VRF) configuration must not be present on the device.	<p>Remove the existing VRFs as VRFs as it will interfere with the Cisco IWAN configuration.</p> <p>Make sure that the routers do not have any of the following VRFs:</p> <ul style="list-style-type: none"> <li>• IWAN-TRANSPORT-1</li> <li>• IWAN-TRANSPORT-2</li> <li>• IWAN-TRANSPORT-3</li> <li>• IWAN-TRANSPORT-4</li> </ul> <p><b>Example:</b>  <code>no ip vrf IWAN-TRANSPORT-4</code></p>

# Warning Messages Encountered During Brownfield Validation

The following table provides a d description of the warning messages encountered during the Brownfield validation process:

*Table A-2 Error Messages in Brownfield Validation*

Warning Messages	Description
Please make sure at least two interfaces for WAN and LAN are up and running.	Ensure that the two interfaces for WAN and LAN are up and running.  Verify using the <b>show ip interface brief</b> command.
IWAN related crypto configuration found on the device.	Remove the crypto configuration because the crypto configuration might interfere with the Cisco IWAN configuration.  <b>Example:</b> <code>crypto zeroize mypubkey rsa</code> <code>sdn-network-infra-iwan</code>
Device does not have required license.	Required licenses are not enabled on the device. Enable the licenses for the platform in use. For example, AX (Application Experience K9) “appxk9” is required for Cisco 4000 Series Integrated Services Routers; and Advanced Enterprise K9 (adventerprisek9) or Advanced IP Services K9 (advipservicesk9) is required for Cisco ASR 1000 Series Aggregation Services Routers.
No routing protocol found on device.	Enable one of the following routing protocols on the device.  <b>Example:</b> <code>router ospf AS number</code> <code>router eigrp AS number</code> <code>router bgp AS number</code>
EZPM configuration found on the device.	Remove Easy Performance Monitor (EZPM) configuration as EZPM configuration might interfere with the Cisco IWAN configuration.  <b>Example:</b> <code>no class-map match-all</code> <code>Business-Critical-and-default-tcp-only</code> <code>no performance monitor context IWAN-Context</code> <code>profile application-experience</code>

Warning Messages	Description
NBAR configuration found on the device.	<p>Remove the Network Based Application Recognition (NBAR) configuration as NBAR configuration might interfere with the Cisco IWAN configuration.</p> <p><b>Example:</b></p> <pre>no ip nbar attribute-map Consumer_App_Prof no ip nbar attribute-map Other_Custom no ip nbar attribute-map Net_Admin_Custom</pre>
No device information available for validation.	<p>Revalidate and if problem persists, ensure the following:</p> <ul style="list-style-type: none"> <li>• Device is up and running.</li> <li>• Device connectivity is established.</li> </ul>
Device does not have valid image version and K9 package.	<p>The Cisco IWAN application does not support the Cisco software image loaded on the device. Boot the device with a 15.5(3) or 15.5(4) image with the K9 feature pack.</p> <p><b>Example:</b></p> <pre>asr1000rp1-adventerprisek9.03.16.00.S.155-3.S-ext.bin</pre>