



# Brownfield Validation Messages Description

## Error Messages Encountered in Brownfield Validation

The following table provides an explanation of the error messages encountered in Brownfield Validation:

**Table A-1** Error Messages in Brownfield Validation

Error Messages	Description
Username configuration must have privilege level 15	<p>Configure a user name with privilege 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 neither Performance Routing (PfR) configuration nor PfR related configuration is 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 neither Quality of Service (QoS) configuration nor QoS related configuration is 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>
Interface loopback 47233 must not be configured on the device	<p>Remove loopback 47233 from the device.</p> <p><b>Example:</b>  <code>no interface loopback47233</code></p>

Error Messages	Description
IWAN trustpoint configuration must not be present on device	Remove IWAN trustpoint configuration from the device.  <b>Example:</b> <code>no crypto pki trustpoint sdn-network-infra-iwan</code>
VPN routing and forwarding (VRF) configuration must not be present on the device	It is recommended removing existing VRFs as VRFs may interfere with the IWAN configuration.  <b>Example:</b> <code>no ip vrf IWAN-TRANSPORT-4</code>

## Warning Messages Encountered in Brownfield Validation

The following table provides an explanation of the warning messages encountered in Brownfield Validation:

*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 two interfaces are up on the device. Verify using the <b>show ip interface brief</b> command.
IWAN related crypto configuration found on the device	It is recommended removing crypto configuration as crypto configuration might interfere with the IWAN configuration.  <b>Example:</b> <code>crypto zeroize mypubkey rsa sdn-network-infra-iwan</code>
Device does not have required license	Required licenses not enabled on 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 for Cisco ASR 1000 Series Aggregation Services Routers.
Device does not have valid image version	Cisco software image available on the device is not the recommended software image for IWAN. Boot the device with software image Cisco IOS Release 15.5(3)S1 or Cisco IOS XE Release 3.16.1 and above.

Warning Messages	Description
No routing protocol found on device	<p>It is recommended enabling one of the following routing protocols on the device.</p> <p><b>Example:</b>  <code>router ospf AS number</code>  <code>router eigrp AS number</code>  <code>router bgp AS number</code></p> <p>In case of BGP, ensure that there are no conflicting routing protocols are configured on the devices. If no routing protocol is configured, the default IWAN protocol will be configured.</p>
EZPM configuration found on the device	<p>It is recommended to remove Easy Performance Monitor (EZPM) configuration as EZPM configuration may interfere with IWAN configuration.</p> <p><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></p>
NBAR configuration found on the device	<p>It is recommended to remove Network Based Application Recognition (NBAR) configuration as NBAR configuration may interfere with IWAN configuration.</p> <p><b>Example:</b>  <code>no ip nbar attribute-map Consumer_App_Prof</code>  <code>no ip nbar attribute-map Other_Custom</code>  <code>no ip nbar attribute-map Net_Admin_Custom</code></p>
No device information available for validation	<p>Device information for validation failed. 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 be established from the cluster.</li> </ul>
Device does not have K9 package in the image	<p>IWAN does not support the Cisco software image loaded on the device. Boot up image with K9 package.</p> <p><b>Example:</b>  <code>asr1000rp1-adventerprisek9.03.16.00.S.155-3.S-ext.bin</code></p>
Device does not have valid image version and K9 package	<p>Boot the device with software image Cisco IOS Release 15.5(3)S1 or Cisco IOS XE Release 3.16.1 and above with K9 package</p>

