



CloudBridge Virtual WAN 8.1 Release Notes

These release notes describe the enhancements and known issues in Citrix CloudBridge software release 8.1.

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1 CloudBridge Virtual WAN

These notes describe the Citrix CloudBridge 8.1.0 Virtual WAN release.

CloudBridge Virtual WAN 8.1.0 introduces new functionality for the CloudBridge Virtual WAN product.

The CloudBridge 8.1.0 Virtual WAN software aggregates the bandwidth of multiple WAN links. Each packet is routed to the most appropriate WAN link based on real-time network conditions.

The Virtual WAN software is fault tolerant and can reroute traffic around congested, degraded or failed WAN links in sub-second timeframes to preserve user productivity. For latency-sensitive traffic like voice and XenDesktop, the Virtual WAN can duplicate packets across WAN links to preserve session quality in the face of degraded or failed links.

Traffic is secured through optional 256-bit AES encryption to preserve data privacy. The Virtual WAN can also be deployed in a high availability configuration for maximum uptime.

For more information about the CloudBridge Virtual WAN, see the *CloudBridge Virtual WAN Installation and Configuration Guide*.

Note: The CloudBridge 8.x releases support Virtual WAN only; they contain no traditional CloudBridge acceleration features.

2 What's New in Release 8.1

CloudBridge Virtual WAN release 8.1 includes substantial improvements:

- The introduction of Virtual WAN Center, which allows enterprise-wide management of your virtual WANs.
- Support for a 2 Gbps license on the CloudBridge 4000 platform.
- Support for CloudBridge Virtual WAN VPX under the XenServer and VMWare ESXi hypervisors.
- Runs on Cisco UCS-E blade servers.
- Both local and remote licensing support. Remote licensing is supported for VPX products only.

3 Known Issues and Workarounds

These issues are known to exist in release 8.1.

Issue #593682: Polling appears to be enabled for all devices by default, but it is not. To enable polling for all appliances, deselect and reselect the top-level polling box in the Inventory Status page.

Issue #596160: When using the Firefox browser on the Virtual WAN Center > Reporting page, the first report on the page cannot be opened.

Issue #593011: After a Storage Threshold Exceeded warning is displayed, reducing the amount of storage used does not clear the warning.

Issue #589374: After you select Reporting > Sites > New View, there can be a delay of up to a minute before data is displayed. During this period, a "There is no data for the selected time" message might be displayed.

Issue #590476: Adding a user name with more than 32 characters will cause an error message to be displayed.

Issue #591231: In an HA configuration, When the primary MCN management IP is not reachable, uploading a new build from Virtual WAN Center does not update the secondary unit.

Issue #589093: Email notifications do not work for events classified as Errors.

Issue #589374: In Monitoring > Applications > Reports, Average WAN MOS value is reported in the Lowest WAN MOS display if opened in a new window.

Issue #588999: Under the Monitoring page, retrieving all graphs by selecting "ALL" might result in an "Unable to retrieve Graph" message.

Workaround: Select a smaller set of graphs for viewing.

Issue #587294. In the CloudBridge 1000-VW, Ethernet settings are not displayed in the GUI.

Issue #584343: When using Internet Explorer 10, TLS version 1.2 must be enabled to access the Virtual WAN Center GUI.

Issue #586583: The High Availability configuration data under Configuration > Virtual WAN > View Configuration shows a reference to "Use Serial HA = false." No serial HA mode is actually supported.

Issue #583672: The Virtual WAN Center Administration > Database Maintenance > Manual Cleanup > Remove Oldest Records option does not work.

Issue #580379, #0580376, #581982:

The following events reported by remote appliances are not visible in Virtual WAN Center event viewer:

1. Appliance Settings Update events
2. User Initiated Test events
3. Appliance Reboot events

Issue #577375, #578017: When Virtual WAN Center discovers a new Master Control Node, it might briefly show data and reports from a previously discovered MCN.

Issue #579935: Virtual WAN Center enables users to share reports with others via a URL. However, invoking this URL through a new browser window will result in an error.

Issue #580103: In Virtual WAN Center, events raised for WAN PATH objects are visible in the Event Viewer, but are not available for e-mail or syslog notifications.

4 Licensing

CloudBridge 8.1.0 introduces a new set of licenses specific to the Virtual WAN solution. Licenses from CloudBridge 7.x and earlier are not supported.

The existing process to obtain CloudBridge licenses remains consistent with the CloudBridge 8.0 release. Once obtained, the licenses are consumed and activated through the appliance Web interface.

The CloudBridge 8.1.0 release supports the following licenses:

- Citrix CloudBridge 1000-020-VW
- Citrix CloudBridge 1000-050-VW
- Citrix CloudBridge 1000-100-VW
- Citrix CloudBridge 2000-100-VW
- Citrix CloudBridge 2000-200-VW
- Citrix CloudBridge 4000-500-VW
- Citrix CloudBridge 4000-1000-VW
- Citrix CloudBridge 4000-2000-VW
- Citrix CloudBridge 400-010-VW
- Citrix CloudBridge 400-020-VW

Remote Licensing. With the CloudBridge 8.1.0 release, remote licensing is supported for CloudBridge Virtual WAN VPX products. Other products continue to use local licensing. Remote licenses are available for 10 Mbps, 20 Mbps, 50 Mbps, and 100 Mbps.

Remote licensing requires Citrix License Server release 11.12.

5 Compatibility

The CloudBridge 8.1 release requires two Virtual WAN appliances to be in place in order to establish a Virtual Path. The CloudBridge Virtual WAN solution requires that all appliances on the Virtual WAN have the CloudBridge 8.1 installed.

Appliances running 7.x and earlier CloudBridge software versions cannot establish a connection to the Virtual WAN.

5.1 Supported CloudBridge Virtual WAN Platforms

Citrix CloudBridge Virtual WAN 8.1.0 supports the following CloudBridge Virtual WAN appliance hardware platforms:

- CloudBridge 400
- CloudBridge 1000
- CloudBridge 2000
- CloudBridge 4000
- CloudBridge Virtual WAN VPX on Citrix XenServer, release 6.5 SP1
- CloudBridge Virtual WAN VPX on VMWare ESXi, releases 5.5 and 6.0.

5.2 Virtual WAN Center Compatibility

Virtual WAN Center is distributed as an OVA-format virtual machine for VMWare ESXi 5.5 and 6.0 hypervisors.

Virtual WAN Center, introduced with release 8.1, is not compatible with earlier CloudBridge Virtual WAN releases.

5.3 Supported Browsers

The CloudBridge 8.1.0 release supports the following browsers and versions:

- Google Chrome 45.0 and up.
- Mozilla Firefox 41.0 and up.
- Microsoft Internet Explorer 11.0.9600 and up.

Supported browsers must have cookies enabled, and JavaScript installed and enabled.

6 Installing the Release 8.1 Software

The release has three sets of files: the CloudBridge Virtual WAN software, the CloudBridge Virtual WAN upgrade bundle, and the CloudBridge Virtual WAN virtual machine. These files are already present on appliances that ship from the factory with release 8.1.0 pre-installed.

6.1 Virtual WAN Center

Virtual WAN Center is distributed as an OVA-format virtual machine for VMWare ESXi 5.5 and 6.0 hypervisors.

Virtual WAN Center image: `cb-vwc_8.1.0.95-vmware.ova`

6.2 Virtual WAN Software (Only)

Each supported platform has a different release archive:

Release software by platform.

CloudBridge 400-VW	<code>cb-vw_CB400_8.1.0.95.tar.gz</code>
CloudBridge 1000-VW	<code>cb-vw_CB1000_8.1.0.95.tar.gz</code>
CloudBridge 2000-VW	<code>cb-vw_CB2000_8.1.0.95.tar.gz</code>
CloudBridge 4000-VW	<code>cb-vw_CB4000_8.1.0.95.tar.gz</code>

6.3 System Upgrade Bundle

The system upgrade bundle updates all the virtual machines in the system *except* the Virtual WAN virtual machine. The same upgrade bundle is used for all CloudBridge VW models.

Upgrade bundle filename: `CB-VW-PKG-8.1.0.95.upg`

6.4 VM OS Upgrade

The VM OS image is used for all CloudBridge Virtual WAN models.

OS image filename: `cb-vw_sdx-8.1.0.95_OS_Partition_Update_45.img`