



**Avaya Branch Gateways 6.1 (build
31.20.1)
Release Notes**

Issue 2
December 5, 2011

© 2010 Avaya Inc.
All Rights Reserved.

Notice

While reasonable efforts were made to ensure that the information in this document was complete and accurate at the time of printing, Avaya Inc. can assume no liability for any errors. Changes and corrections to the information in this document may be incorporated in future releases.

Documentation disclaimer

"Documentation" means information published by Avaya in varying mediums which may include product information, operating instructions and performance specifications that Avaya generally makes available to users of its products. Documentation does not include marketing materials.

Avaya Inc. is not responsible for any modifications, additions, or deletions to the original published version of this documentation unless such modifications, additions, or deletions were performed by Avaya. Customer and/or End User agree to indemnify and hold harmless Avaya, Avaya's agents, servants and employees against all claims, lawsuits, demands and judgments arising out of, or in connection with, subsequent modifications, additions or deletions to this documentation to the extent made by the Customer or End User.

Link disclaimer

Avaya Inc. is not responsible for the contents or reliability of any linked Web sites referenced elsewhere within this documentation, and Avaya does not necessarily endorse the products, services, or information described or offered within them. We cannot guarantee that these links will work all of the time and we have no control over the availability of the linked pages.

Warranty

Avaya Inc. provides a limited warranty on this product. Refer to your sales agreement to establish the terms of the limited warranty. In addition, Avaya's standard warranty language, as well as information regarding support for this product, while under warranty, is available through the following Web site:

<http://www.avaya.com/support>

Please note that if you acquired the Product(s) from an authorized Avaya reseller outside of the United States and Canada, the warranty is provided to you by said Avaya reseller and not by Avaya.

Copyright

Except where expressly stated otherwise, no use should be made of materials on this site, the Documentation, Software, or Hardware provided by Avaya. All content on this site, the documentation and the Product provided by Avaya including the selection, arrangement and design of the content is owned either by Avaya or its licensors and is protected by copyright and other intellectual property laws including the sui generis rights relating to the protection of databases. You may not modify, copy, reproduce, republish, upload, post, transmit or distribute in any way any content, in whole or in part, including any code and software unless expressly authorized by Avaya. Unauthorized reproduction, transmission, dissemination, storage, and or use without the express written consent of Avaya can be a criminal, as well as a civil offense under the applicable law.

Avaya support

Avaya provides a telephone number for you to use to report problems or to ask questions about your product. The support telephone number is 1-800-242-2121 in the United States. For additional support telephone numbers, see the Avaya Web site:

<http://www.avaya.com/support>

Third Party Components

Certain software programs or portions thereof included in the Product may contain software distributed under third party agreements ("Third Party Components"), which may contain terms that expand or limit rights to use certain portions of the Product ("Third Party Terms"). Information regarding distributed Linux OS source code (for those Products that have distributed the Linux OS source code), and identifying the copyright holders of the Third Party Components and the Third Party Terms that apply to them is available on the Avaya Support Web site: <http://support.avaya.com/Copyright>.

Preventing Toll Fraud

"Toll Fraud" is the unauthorized use of your telecommunications system by an unauthorized party (for example, a person who is not a corporate employee, agent, subcontractor, or is not working on your company's behalf). Be aware that there can be a risk of Toll Fraud associated with your system and that, if Toll Fraud occurs, it can result in substantial additional charges for your telecommunications services.

Avaya Toll Fraud Intervention

If you suspect that you are being victimized by Toll Fraud and you need technical assistance or support, call Technical Service Center Toll Fraud Intervention Hotline at +1-800-643-2353 for the United States and Canada. For additional support telephone numbers, see the Avaya Support Web site: <http://support.avaya.com> Suspected security vulnerabilities with Avaya

products should be reported to Avaya by sending mail to: securityalerts@avaya.com.

Trademarks

The trademarks, logos and service marks ("Marks") displayed in this site, the Documentation and Product(s) provided by Avaya are the registered or unregistered Marks of Avaya, its affiliates, or other third parties. Users are not permitted to use such Marks without prior written consent from Avaya or such third party which may own the Mark. Nothing contained in this site, the Documentation and Product(s) should be construed as granting, by implication, estoppel, or otherwise, any license or right in and to the Marks without the express written permission of Avaya or the applicable third party.

Avaya is a registered trademark of Avaya Inc.

All non-Avaya trademarks are the property of their respective owners.

Downloading Documentation

For the most current versions of Documentation, see the Avaya Support

Web site: <http://support.avaya.com>.

Contact Avaya Support

Avaya provides a telephone number for you to use to report problems or to ask questions about your Product. The support telephone number is 1-800-242-2121 in the United States. For additional support telephone numbers, see the Avaya Web site: <http://support.avaya.com>.

Contents

Changes Delivered to Branch Gateways 6.1 (build 31.20.1)	5
Branch Gateways 6.1 (build 31.20.1) Release Notes	5
Product Support Notices	5
Enhancements	5
Problems Fixed in Branch Gateways 6.1 (build 31.20.1)	6
Known Problems in Branch Gateways 6.1 (build 31.20.1)	7
Changes Delivered to Previous Branch Gateways 6.1 Builds	9
Problems Fixed in Branch Gateways 6.1 (build 31.20.0)	9
Problems Fixed in Branch Gateways 6.1 (build 31.19.2)	10
Problems Fixed in Branch Gateways 6.1 (build 31.18.1)	12
Technical Support	13

Contents

Changes Delivered to Branch Gateways 6.1 (build 31.20.1)

Branch Gateways 6.1 (build 31.20.1) Release Notes

Product Support Notices

Some problems are also documented as Product Support Notices (PSN). The PSN number defines the related document and appears in the Problem column in the tables.

To read the PSN description online:

1. Go to the Avaya support site at <http://support.avaya.com>.
2. Click **Product Notices**.
3. Click **Product Support Notices**.
4. Type the last four digits of the PSN number into your web browser's "Find on Page" function to search the page for a link to the PSN.
5. Click the PSN title link to open the PSN.

Enhancements

- Introduced SNMP trap for ISDN layer-2 status.
- SNMP support for IPv6
- Support for downloading the Embedded web Archive file using SCP (secure copy). The `copy scp EW_archive` CLI command was added.
- DSCP support for data calls.
- Allowing the TIM514 Analog Loop Start Central Office Interface trunks to properly implement the DTMF ICLID protocols in use by both Taiwan and Brazil.

Changes Delivered to Branch Gateways 6.1 (build 31.20.1)

- Enhancements to G450 System Clock Synchronization circuitry to improve performance and stability, when using an IP Interface to provide a reference source for system clock synchronization.
- Increased maximum members in an H.248 context to 128 to support larger paging groups.
- Improved VoIP performance.

MM721 ISDN Media Module

The MM721 replaces the MM720.

The MM721 Basic Rate Interface (BRI) media module contains eight ports. You can administer these ports either as BRI trunk or BRI endpoint connections, such as a telephone and data module.

Note:

If you replace the MM720 media module, first uninstall the MM720 media module before installing the MM721 media module

For information on new features and significant enhancements in Branch Gateways 6.1, see *Avaya Aura™ Communication Manager Change Description for Release 6.0* on <http://support.avaya.com>.

Problems Fixed in Branch Gateways 6.1 (build 31.20.1)

The following fixes were delivered to **Branch Gateways 6.1 (build 31.20.1)**.

Table 1: Fixes delivered to Branch Gateways 6.1 (build 31.20.1)

Problem	Keywords	Workaround
<i>G430, G450</i> During high volume fax and/or modem VoIP traffic (pass-thru or relay), a memory leak could occur. This leak would gradually prevent users from making VoIP calls.	110264	

Known Problems in Branch Gateways 6.1 (build 31.20.1)

This release includes the following known issues in Branch Gateways 6.1 (build 31.20.1).

Table 2: Known problems in Branch Gateways 6.1 (build 31.20.1)

Problem	Keywords	Workaround
<i>G430, G450</i> The BG 6.1 version does not support multiple IPv6 VLAN interfaces.		Use a single VLAN interface with IPv6.
<i>G430, G450</i> You cannot copy large announcement file to an scp server with an IPv6 address.	110114	Copy the announcement file using an FTP server.
<i>G430, G450</i> Restoring backed-up Media Module images fails (this applies to MM714B, MM312, MM712, MM717). The restore operation search files that complies with the "vXXXX.fdl" or "hxxxx.fdl" naming convention.	110121	Rename the files to use "vXXXX.fdl" or "hxxxx.fdl" naming convention Use the CLI to update the MM714B.
<i>G430, G450</i> Branch Gateway 6.1 build 31.20.2 does not support multiple IPv6 interfaces.		Use single VLAN interface with IPv6.
<i>G430, G450</i> IPv6 Link Local addresses support on all web page. CM doesn't support IPv6 Link Local addresses.	101604	Use IPv6 Global addresses for the connection between Communication Manager and the Branch Gateway.
<i>G430, G450</i> CM does not configure Dynamic DSCP in Inter-gateway calls. Dynamic DSCP (MLPP) for IPv4 and IPv6 is not supported in this version.	101649	Work with static DSCP definition instead.
<i>G450</i> G450 Embedded Web Manager does not work via dial-in session (USB modem).	090790	Use other interfaces for this types of connection.
<i>G430, G450</i> The MGC List is deleted after you downgrade from release 6.1 to release 5.2.1.	100783	Reconfigure the MGC list again after downgrading to the earlier release.

Changes Delivered to Branch Gateways 6.1 (build 31.20.1)

Changes Delivered to Previous Branch Gateways 6.1 Builds

Problems Fixed in Branch Gateways 6.1 (build 31.20.0)

The following fixes were delivered to **Branch Gateways 6.1 (build 31.20.0)**.

Table 3: Fixes delivered to Branch Gateways 6.1 (build 31.20.0)

Problem	Keywords	Workaround
<i>G450</i> Fixed the problem, of an internal timeout of one of the media module tasks that could cause a G450 to reset.	110162	
<i>G430, G450</i> Occasionally, during extreme ISDN traffic, the PKINT buffer allocation scheme caused ISDN trunk to fail, the ISDN trunk could not recover from the failure.	110163	
<i>G430, G450</i> You could not open Filexfer for announcements after enabling and disabling the gateway FTP server. You could not reuse the previous usernames to enable filexfer after running the SAT 'enable filexfer' command.	110207	
<i>G430, G450</i> The sequence number did not change after sending DTMF in RTP.	110103	
<i>G430, G450</i> You could not set SLS media Module type to MM721 while using SNMP that was set on the SLS Slot Configuration table.	110112	
<i>G430, G450</i> Fixed the single media buffer leak, that occurred each time a TTY passthru call was set up. This Problem was observed on all DAR types and TN2602.	110196	

Problems Fixed in Branch Gateways 6.1 (build 31.19.2)

The following fixes were delivered to **Branch Gateways 6.1 (build 31.20.0)**.

Table 4: Fixes delivered to Branch Gateways 6.1 (build 31.19.2) 1 of 3

Problem	Keywords	Workaround
<i>G430, G450</i> Management Systems do not support G450/G430 IPv6 functionality, e.g., SNMP.		Use IPv4 to communicate with the Branch Gateway.
<i>G430, G450</i> In rare case where, upgrading to a newer release, the following error was displayed upon start up: "Failed Testing Line xxx in startup-config file: "set sync interface primary v0"	100697	
<i>G430, G450</i> When performing restore process, the configuration file was restored but the Media Modules were not updated.	110015	
<i>G430, G450</i> In an ESS configuration, if the Branch Gateways fail over to the ESS, all Branch Gateways will be allowed to register to the ESS if it is available.	110019	
<i>G450</i> The G450 booter is now upgraded automatically when upgrading the software image from version 5.2 to version 6.1	100997	
<i>G450</i> If you ran the show system CLI command, the parameter "HW Ready for FIPS" incorrectly showed "Yes".	101021	
<i>G450</i> An IPv6 phone that is not on the same subnet as G450, but on same region, did not get a dial tone if a static default gateway was configured.	110053	
1 of 3		

Table 4: Fixes delivered to Branch Gateways 6.1 (build 31.19.2) 2 of 3

Problem	Keywords	Workaround
<p><i>G430, G450</i></p> <p>After nvram init and configuration of new ipv6 interface, the Branch Gateway is actually registered to Communication Manager, but CLI commands do not correct indicate the registration status. Note that Communication Manager presents the right status of the Branch Gateway - registered</p>	100965	<ul style="list-style-type: none"> You may ignore the wrong status reported by the Branch Gateway. Reset the Branch Gateway.
<p><i>G430, G450</i></p> <p>In some instances where the DS1 is reset via Communication Manager, it could enter a state where it is no longer recognized by Communication Manager after the reset is complete.</p>	101054	
<p><i>G430, G450</i></p> <p>In rare cases the ISDN trunk can lock-up because of internal buffers overflow requiring a Branch Gateway reset. This version increases the buffers and will avoid entering in the state that causes the lock-up.</p>	110066	
<p><i>G430, G450</i></p> <p>The talk-path could be lost when receiving RTCP media from Nortel CS1000, or any media stream containing unexpected or less typical RTCP variations such as RTCP-XR</p>	110049	
<p><i>G430, G450</i></p> <p>The erase phone-script or erase phone-image erase CLI command sometimes caused an endless display of period characters (".....").</p>	110069	
<p><i>G430, G450</i></p> <p>The internal FTP server that can be used to transfer announcements was always using TCP port 20 even when in passive mode and therefore would not allow transfers if the port was firewalled.</p>	110110	
<p><i>G430, G450</i></p> <p>If the you enable the RTP statistic feature and IPv6 calls are made using the Branch Gateway, then the SNMP walk of avRtpLookup MIB (supporting only IPv4 calls) would never end and return the same data.</p>	110137	
2 of 3		

Table 4: Fixes delivered to Branch Gateways 6.1 (build 31.19.2) 3 of 3

Problem	Keywords	Workaround
<p><i>G430, G450</i></p> <p>The <code>sh snmp</code> CLI command may cause the gateway to reset when greater than 13 snmp-server filter parameters are defined.</p>	110124	
3 of 3		

Problems Fixed in Branch Gateways 6.1 (build 31.18.1)

The following fixes were delivered to **Branch Gateways 6.1 (build 31.18.1)**.

Table 5: Fixes delivered to Branch Gateways 6.1 (build 31.18.1)

Problem	Keywords	Workaround
<p><i>G430, G450</i></p> <p>During a failure of the primary server, the Branch Gateway will try to register to a secondary server. If the secondary is available and responding to the Branch Gateway, the Branch Gateway should continue to try to register to it and not move on to an LSP or SLS.</p>	100630	
<p><i>G430, G450</i></p> <p>In some instances where the DS1 is being reset via Communication Manager, it could get into a state where it is no longer recognized by Communication Manager after the reset is complete.</p>	101054	
<p><i>G430, G450</i></p> <p>A new echo canceller has been added to the MP-80 DSP which includes a new modem pass-through voip-parameter option (id 34, value 0x19C461) which is specifically intended to improve modem pass-thru performance over analog trunks for secure phones (STEs). Note that this change only applies to the MP-80 DSP.</p>	100177	

Branch Gateway 6.1 Build 31.71.1 was the first release.

Technical Support

Support for Communication Manager is available through Avaya Technical Support.

If you encounter trouble with Communication Manager:

1. Retry the action. Carefully follow the instructions in written or online documentation.
2. Check the documentation that came with your hardware for maintenance or hardware-related problems.
3. Note the sequence of events that led to the problem and the exact messages displayed. Have the Avaya documentation available.
4. If you continue to have a problem, contact Avaya Technical Support by:
 - Logging in to the Avaya Technical Support Web site <http://www.avaya.com/support>
 - Calling or faxing Avaya Technical Support at one of the telephone numbers in the [Support Directory](#) listings on the Avaya support Web site.

You may be asked to email one or more files to Technical Support for analysis of your application and its environment.

Note:

If you have difficulty reaching Avaya Technical Support through the above URL or email address, please go to <http://www.avaya.com> for further information.

When you request technical support, provide the following information:

- Configuration settings, including Communication Manager configuration and browser settings.
- Usage scenario, including all steps required to reproduce the issue.
- Screen shots, if the issue occurs in the Administration Application, one-X Portal, or one-X Portal Extensions.
- Copies of all logs related to the issue.
- All other information that you gathered when you attempted to resolve the issue.



Tip:

Avaya Global Services Escalation Management provides the means to escalate urgent service issues. For more information, see the [Escalation Contacts](#) listings on the Avaya Web site.

For information about patches and product updates, see the Avaya Technical Support Web site <http://www.avaya.com/support>.

