

ADTRAN vWLAN Patch Release Notes

Patch Name: vPatch-2-2-1-20-2

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This vPatch is a mandatory patch for vWLAN version 2.2.1.20.

These Release Notes list fixes, known issues, and other important information about this patch developed for vWLAN.

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Important Notices

Previous Patches

This vPatch includes the fixes provided by the following patches and supersedes previous patches for vWLAN version 2.2.1.20.

- AuthDelay-TG3801
- Semaphore-TG3514
- StatusAPI-TG3627
- StyleSheet-TG3641
- UserManager-TG3686
- WebScale-TG3798

Uninstalling Previous Patches

All previous patches will need to be removed prior to installing vPatch. Note that a reboot is necessary following the removal of patches.

1. Navigate to the **Administration** tab and select **Patch**
2. Select the patch to delete and click **Delete**.
3. Once the patches have been removed, reboot vWLAN.

Installing vPatch

Note that a reboot is necessary following the installation of vPatch.

1. Navigate to the **Administration** tab and select **Patch**
2. Select the patch to install using the **Browse** button.
3. Select **Install**.
4. Any patches that you have installed will be visible in the **Patch list**. A **Platform Task** should display stating that a reboot is required.

Fixes included in mandatory vPatch-2-2-1-20-2

- After upgrading to vPatch-2-2-1-20-1, the vWLAN served the self-signed cert instead of the uploaded SSL certificate.
 - Certificate chain only works if an extra new line character is added to certificate file.
 - If a non-trusted certificate authority (CA) signs the mail server's certificate, email notification delivery failed on the vWLAN because the certificate cannot be validated.
 - If a range of ports were configured in a service and applied to a role, APs would not receive a configuration.
 - New users were not added to the connections table.
 - Option "c" (certificate cleanup: Removes any custom web server certificate) in the console menu did not remove a custom web server certificate.
 - Users are not added to the connection table and the user count in Active Users in the UI does not accurately reflect the users on the system.
 - Client devices sometimes failed to be redirected to their original destination after successful web authentication.
 - Scale/performance issues with more than 700 APs
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- Delay in GUI accessibility after vWLAN was rebooted.
 - When upgrading from 2.1 to 2.2.1.20, the HTML spacing in the Login Screen must be between 0 and 100.
 - It is possible to delete the built-in Un-registered role by renaming and then deleting. However, it is not possible to re-create the role with its special properties.
 - It was not possible to create more than 400 locations
 - It was not possible to switch partitions using the console menu option.
 - If a TCP and UDP service were added to a service group and that service group was applied to a role, all services (rather than just those defined in the service group) were allowed when that policy rule was processed during client activity.
 - BSAP would get stuck in the "Channel Scanning" state.
 - Some Android devices did not get redirected for web authentication.
 - It was not possible to poll user status via the API.
 - The administrative web GUI became inaccessible and web redirection for clients would not be possible.
 - The system did not recover from a process restart and users were not able to connect.

Version 2.2.1 vWLAN Errata

The following is a list of errata that still exist in vWLAN 2.2.1.20 with mandatory patch vPatch-2-2-1-20-2. These are separated into categories.

General

- If a PEM encoded X509 certificate is entered (in Configuration > Settings > Platform > Certificate File) with typographical errors that make the certificate unreadable, the Admin GUI cannot be restarted.
- Users are not being transitioned into their final Role after the Radius-Accept and will remain in the unregistered role.
- SNMP Contact Field cannot contain special characters or the vWLAN will not replicate to HA Node.
- Guest User Receipts allows GIF image file uploads which are unsupported.
 - The following error message is returned when a guest user is created and a GIF image file is used in the Guest Receipt: "We're sorry, but something went wrong. Retry the action, and if you continue to get this error, contact customer support."
- If the same image file was used in the Guest Receipt for both the Logo Image and Icon Image positions, and it is removed from only one of those positions, Guest User creation failed with the following error returned: "We're sorry, but something went wrong. Retry the action, and if you continue to get this error, contact customer support." Once the image has been added back, Guest User creation is successful
- When you allow HTTP/HTTPS outgoing to a destination hostname apple.com or *.apple.com in the un-registered role, the web request will get redirected to the login page instead of being allowed outbound.
- While the system allows the Role bandwidth to be higher values, any value higher than 65535 Kbps (or the equivalent) is treated at 65535 Kbps by the AP. The exception is if no limit (0) is specified, then no limit is enforced.
- For fast-roaming, adjacent APs must detect each other and add each other as neighbors. If APs are brought in at different times it's possible for neighbor detection to fail and roaming to take longer. If slow roaming is observed, an RF calibration is recommended.

Upgrade from 2.1 to 2.2.1

- SNMP community strings with less than 6 characters are converted to "public" during the migration from 2.1.0.14 to 2.2.1.20.
 - The following platform alarm is produced during migration:

config upgrade failed Failed to update RootSetting rw_community_string

error Validation failed: Value is invalid update
varRootSettingrw_community_string.update_attributes!value => ERRORS

- LDAP bind user is always used, regardless of how "Bind all Queries as LDAP Bind user" is configured. So, if the bind user is wrong, LDAP will fail.
- Special character stripped from LDAP/AD authentication server bind user when migrating from 2.1.0.14 to 2.2.1.20.
- Some characters in custom Web Login HTML code are removed or changed during an upgrade from the 2.1 platform to 2.2.1.20, resulting in possible failure to redirect clients.
- Migration from 2.1.0.14 to 2.2.1.20 fails to migrate NTP host as FQDN in 2.1.0.14.

- The following platform alarm is produced during migration:

config upgrade failed Failed to update RootSetting ntp_servers error
Validation failed: Value is invalid update
varRootSettingntp_servers.update_attributes!value => 4.2.2.1,
pool.ntp.org ERRORS

- Migration from 2.1.0.14 to 2.2.1.20 fails due to "Login image does not exist" in 2.1.0.14 web login form configuration.

- The following platform alarm is produced during migration:

config upgrade failed Failed to update LoginForm error Validation failed:
Login image Login image does not exist update varLoginForm1 =
LoginForm.find_or_create_by_id!1, noleft => 0, login_attempts_minutes
=> 1, name => , hotspot_account_id => 1, r_t_padding => 60, title => ,
r_width => *, enable_tos => , powered_by => loginPower-black.gif,
redirection_destination => destination, redirection_external

- Migration from 2.1.0.14 to 2.2.1.20 fails due to "Not a valid color" in 2.1.0.14 web login form configuration.

- The following platform alarm is produced during migration:

config upgrade failed Failed to update LoginForm error Validation failed: L
g bgcolor Not a valid color, L g bgcolor Not a valid color, L g fgcolor Not ...
update varLoginForm6 = LoginForm.find_or_create_by_id!6, noleft => 0,
login_attempts_minutes => 1, name =>, hotspot_account_id => 6,
r_t_padding => 0, title =>, r_width => *, enable_tos => , powered_by =>
loginPower-black.gif, redirection_destination => destination,
redirection_extem

- Custom HTML not supporting Chinese characters after upgrade to 2.2.1 from 2.1

Notifications and Reporting

- Notification emails do not include AP hostname and domain. Only the MAC address of the AP is included.
- Configuration changes are not recorded in system logs
- New reports cannot be generated by non-root admins.
- When creating a report, the page may continue to show "Report is still running" even though the report has finished. Refreshing the page in the browser should update the page. If for some reason the report has not yet finished over a long period of time, the Report service can be restarted to clear this condition by navigating to Administration->Restart and selecting Restart Reporting Daemon.
- Location Status report has no results. This report only shows changes in the statuses of locations. Naming of the report will be clarified in a future release.

User Interface

- When using the UI search for sub-strings within a longer string, no search results show unless the entire string is matched. If all the text from the beginning of the string is entered, the search will be successful.
- When creating a new platform AP firmware, if a file is selected that is not valid firmware, an error will be displayed but the UI will then redirect to the domain AP firmware page rather than the platform AP firmware page.
- Clicking on column to sort bandwidth download doesn't sort ascending/descending.
- When searching for AP Mac Address in Active Connections, it will return the wrong MAC address.
- Locations are showing inactive in the admin GUI, yet are actually active and traffic flow for users into the location is successful.
- vWLAN GUI reports: "One or more APs in an unlicensed state; AP Platform: Error; AP Error message: All radios disabled, Command Timeout, Retry command or Reboot BSAP. However, BSAP is licensed properly and an SSID is configured."
- Platform Traceroute utility does show error message for invalid IP address
- Platform Ping utility does not show error message for invalid IP address
- Some active users may show on AP page as Unknown users.