

# **Zyxel**

## **Firmware Release Note**

### **NAS542**

#### **Release V5.21(ABAG.5)C0**

## NAS542 Release V5.21(ABAG.5)C0

### Release Notes

**Date: Mar. 20, 2020**

#### **Supported Platforms:**

ZyXEL NAS542

#### **Release Package:**

File name	Description
521ABAG5C0.bin	NAS Firmware Package for standard version
521ABAG5C0.pdf	Firmware release note

### **Features**

#### **Modification in V5.21(ABAG.5)C0 | Mar 20 2020**

[Bug fix]

- Fix Vulnerability issue from remote unauthenticated attacker.  
- CVE-2018-1160 (Netatalk)
- Fix rhostname buffer overflow issue.  
- CVE-2020-8597

[Enhancement]

- Modify filtering characters of login password.  
Filter 9 characters as below:  
\\ " ' ` < > ^ \$ &
- Modify filter emoji emoticons:  
\\u1F60-\\u1F64, \\u2702-\\u27B0, \\u1F68-\\u1F6C,  
\\u1F30-\\u1F70, \\u2600-\\u26ff

## **Modification in V5.21(ABAG.4)C0 | Feb 24 2020**

[Bug fix]

- Fix Samba issue:
  - CVE-2014-3560      - CVE-2015-0240      - CVE-2016-2123
  - CVE-2017-7494      - CVE-2017-14746
- Fix RCE (remote code execution) attack.
  - CVE-2020-9054
- Change client ID and secret of YouTube upload.

[Package]

- [myZyXELcloud-Agent] update certification.

## **Note**

*If you cannot login the web interface with original password after firmware update is finished, please press the hardware reset button at the back of NAS for 2 seconds, and you will hear one beep sound, then release the hardware reset button. This resets the NAS's IP address and password to the default setting. (admin/1234)*

## **Modification in V5.21(ABAG.3)C0 | Sep 26 2019**

[Enhancement]

- Enhancement the patch for networking vulnerabilities to fix:
  - CVE-2019-11477
  - CVE-2019-11478
  - CVE-2019-11479

[Bug fix]

- Fix Time zones and DST issue for Russia.
- Fix Monthly power schedule issue.

## **Modification in V5.21(ABAG.2)C0 | Dec 3 2018**

[Bug fix]

- Fix power schedule issue.
- Fix File Browser issue.

## **Modification in V5.21(ABAG.1)C0 | Jun 21 2018**

[Bug fix]

- Fix sys-log issue.
- Fix NFS problem.
- Remove "Hot swapping" related information.
- Modify the schedule time issue.
- Modify default folder setting.

## **Modification in V5.21(ABAG.0)C0 | May 26 2017**

[Enhancement]

- Enhance the API of backup planner to verify the session before proceeding with the procedure.
- Enhance the implementation of backup planner to eliminate the risk of command injection.
- Upgrade Twonky media server to 8.3.19
- Force the admin account to modify the password from the default value.
- Now users can play media files on Twonky GUI from remote WAN, ex dydns.

[Bug fix]

- The file browser API accepts relative path as the arguments which causes security problem.

[Package]

- [ownCloud] Upgrade to 7.0

## **Enhancement in V5.20(ABAG.1)C0 | November 3, 2016**

[Enhancement]

- New GUI
- New behavior of user/group/share management.
- Upgrade Twonky Media Server to 8.2
- Remove the 2 GB upload limitation of file-browser on WebGUI.
- Twonky with HTML5 player

[Bug fix]

- Refine the mechanism to check looped folder.

- Correct the mechanism in AutoUploadr to determine if a path is a subfolder of another path.
- The privilege of shares with any ' or " in its name can't be modified.

#### [Package]

- [All Package] App Center on Desktop
- [DropboxClient] Support Dropbox two way sync
- [DropboxClient] Dropbox synchronization for all sub folders.
- [DropboxClient] Fix DropboxClient can not detect remote-deleted files.
- [NZBGet,PHP,SqueezeCenter,Transmission,WordPress,Gallery,ownCloud] Rebuilt UPnP database when NAS reset to default.

#### **Modification in V5.11(ABAG.3)C0 | June 17 2016**

#### [Enhancement]

- To check and removes the incorrect looping softlink when booting up.
- To revise the implementation of GUI so that the behavior of clicking myZyXEcloud button on desktop won't be blocked by web browser.
- Upgrade OpenSSL to 1.0.2h to eliminate some security issue.
- To show a warning message to remind end users that the data on the disk on which they are going to create volume will be removed.
- To support synchronization to another device with DeltaCopy.
- Hide the httpd version information for security consideration.
- The device when servername is modified to make sure all the services apply the correct servername.

#### [Bug fixed]

- Normal users fail to upload files through WebDAV.
- iSCSI fails to create instant allocation LUN.
- Fixed the ftp security issue.
- Fixed the issue that the scheduled tasks, including backup plan and power schedule, don't execute at the right time when daylight saving is enabled.
- Fixed the issue that the permission of portal users will be cleared if users edit the permission in GUI
- Fixed the issue that users might fail to edit share when there exists any portal user in the system.

[Package]

- **[Tftp, NFS, ownCloud, SqueezeCenter]**
- Fixed Bug: Packages are not normal when NAS reboot if users,
  - ◆ 1. Install package in volume1.
  - ◆ 2. Remove it.
  - ◆ 3. Install package in other volume.
- **[PHP]** Rebuild php, because openssl be upgraded.

### **Modification in V5.11(ABAG.2)C0 | Mar 8 2016**

[Enhancement]

- Enhance how the GUI determine if the email address user entered is valid.
- Apply the patch of Linux kernel to fix CVE-2016-0728.
- Apply the patch of glibc to fix CVE-2015-7547

[Bug fix]

- Fix FTP client can't login issue
- The file browser of WebGUI fails to decompress files if there exists quota limitation of the login user.
- Sometimes the icons on desktop are gone when login.
- Revise the log "Failed unknown login attempt (incorrect password or inexistent username)" when the Rsync task fails to authenticate.

### **Modification in V5.11(ABAG.0)C0 | Jan 27 2016**

[Bug fix]

- Users fails to connect to the targets of iSCSI after booting if there exists more the three targets on the device and IP of which is set as static.
- Sometimes the icons on Desktop are gone when login.
- Revise the log "Failed unknown login attempt (incorrect password or inexistent username)" when the Rsync task fails to authenticate.
- MAC OS X 10.11 and Safari Media Icon fails to open.
- Media Server activate automatic if delete share.
- Fixed half icon with smaller monitor.
- Status Center File Transfer show wrong values
- After Restart admin must be login once for backup job from other NAS

- Users can't access the external volume through WebDAV if they just hotplug USB storage without entering the WebGUI.
- Correct the address in the link in the Webpage that helps users to link to the device after firmware upgrading.
- The file browser of WebGUI fails to decompress files if there exists quota limitation of the logged user.
- Only "global", "homes", "printers" are reserved share name.
- Deleting a share always turn on the media server even when it's been turned off.
- Time zone spelling correction. (Pitori" to "Pretoria")
- The Music/Video/Photo icon in the desktop-style page doesn't work on Safari.
- The icon for portal users is created.
- The login time displayed in the session information is negative in German.
- Show the IPv6 information when it's from AUTO-IP, which means there's no IPv6 DHCP in the environment.
- The icons on the desktop page can't be displayed correctly after dragging.

#### [Enhancement]

- Enhance how the GUI determine if the email address user entered is valid.
- Hide the group item in the session table. It's meaningless.
- Refine the algorithm of password strength determination. The password of 14 consecutive 'A' is determined as strong password, which is wrong.
- Adjust the local port range to avoid port conflicts between services.
- Let the Twonky GUI sort the files by track number in folder view.
- Adjust some parameters in system to tune up the performance.
- User searching supports cloud users.
- Hide the cloud users in the pages of setting group, share permission.
- Updated some missing translations.
- Fine tune some GUI behavior according to the response from customers.
- Add pkg upgrade alert in desktop.
- Remove the behavior of adding xxx.0.0.0 into routing table for interfaces which are NOT default gateway. It's wrong to add such item into routing table.

## **Enhancement in V5.10(ABAG.1)C0 | 11/23/2015**

[Bug Fix]

- Change NAS IP, but desktop page all about package icon redirect still be old path
- User can not select restore files what you want, restore from source path is empty, whatever from "Remote NAS" or "Internal Volume"

## **Enhancement in V5.10(ABAG.0)C0 | 11/12/2015**

[Initial Version]