Zyxel

Firmware Release Note

NAS326

Release V5.21(AAZF.4)C0

NAS326
Release V5.21(AAZF.4)C0

Release Notes

Date: Jun. 13 2019

Supported Platforms:

ZyXEL NAS326

Release Package:

File name	Description
521AAZF4C0.bin	NAS Firmware Package for standard version
521AAZF4C0.pdf	Firmware release note

Modifications in V5.21(AAZF.4)C0 | Jun 13 2019

[Enhancement]

- Apply the patch of kernel to support all CPU version.

Modifications in V5.21(AAZF.3)C0 | Nov 15 2018

[Bug fix]

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

Modification in V5.21(AAZF.2)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(AAZF.1)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.

Modification in V5.21(AAZF.0)C0 | May 4 2017

[Bug fix]

- Apply the patch to fix CVE-2016-10229
- Upgrade libupnp to fix CVE-2016-6255 and CVE-2016-8863
- Fix the filebrowser API accepts relative path as the arguments which causes security problem.

[Enhancement]

- Upgrade ftp module for security consideration.
- Now users can play media files on Twonky GUI from remote WAN, ex. dydns.
- Upgrade Twonky media server to 8.3.19
- Turn off TLSv1.0 and TLSv1.1 and revise the cipher suite to enhance the security.
- Force the admin account to modify the password from the default value.

[Package]

- [ownCloud] Upgrade to 7.0.15
- [pyLoad] Fix "package "Pyload" won't work"

Modification in V5.20(AAZF.1)C0 | Nov 17 2016

[Bug fix]

- NAS rsync client can not see folders
- Two external HDD connected cause no HDD can detect and backup job fail
- The portal users of information display error information when the myZyxelCloud is installed in some volume other than system volume.
- Mac OS 10.12 fails to backup data to NAS through Time Machine.
- FileBrowser fails to restore multiple files from recycle-bin.
- Automatically summer time can't activate
- Time Zone change issue

- User Edit / Remove / Add fail in some case after upgrading to v5.20
- Dropbox Key Login failed
- User Modify default password by admin after reboot the password can't be set
- Time Machine is disabled after reboot
- File Browser Copy Issue
- File Browser delete cause error message
- File Browser delete something in recycle bin cause loop
- Click "Clean all recycle bin now", some of recycle bin would not clean the files which in the recycle bin.
- Create new share and publish to Media Server ignore the setting

Modification in V5.20(AAZF.0)C0 | Sep 6 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 filebrowser 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.
- 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(AAZF.4)C0 | Jun 3 2016

[Enhancement]

- Revise the implementation of GUI so that the behavior of clicking myZyXEcloud button on Desktop won't be blocked by web browser.

[Bug fix]

- Fix the NAS IP incorrect in 5 minutes after changing NAS hostname

[Package]

- **[PHP]** Rebuild php, because openssl be upgraded.
- **[NFS]** Fixed Bug: NFS configure file does not be removed when removing NFS.

Modification in V5.11(AAZF.3)C0 | Mar 8 2016

[Enhancement]

- Apply the patch of glibc to fix CVE-2015-7547

Modification in V5.11(AAZF.2)C0 | Feb 16 2016

[Bug fix]

- Fix FTP client can't login issue

Modification in V5.11(AAZF.1)C0 | Feb 1 2016

[Bug fix]

- 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.

[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.

Features

Enhancement in V5.11(AAZF.0)C0 | 01/15/2016

[Enhancement]

- 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.
- User searching supports cloud users.
- Updated some missing translations.
- Fine tune some GUI behavior
- Speedup the login process of WebDAV.
- Show the icons after installed package on GUI.
- Cloud users now are represented with their email account

[Bug fix]

- Hide the group item in the session table. It's meaningless.
- 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 cloud users is created.
- The login time displayed in the session information is negative in German.
- MAC OS X 10.11 and Safari Media Icon fails open
- Media Server activate automatic if delete share
- 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.
- Add the firmware version in the message after firmware upgrading.
- 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.
- The system fails to boot up after setting the network to static through NSU.

- The DHCP client ask for IP with model name instead of hostname.
- The folders created though WebDAV can't be deleted through samba.

Enhancement in V5.10(AAZF.0)C0 | 10/30/2015

[Initial version]

Known Issues:

- If FTP Encoding incompatible with FTP client, some files will have odd file names which Media server cannot support.
- Download Service may not always be able to download 10 at a time. It will depend on how much free memory is left on the system at that time.
- You cannot copy or move files/folders with a name that includes any of the following characters:
  - " (double quote)
  - / (forward slash)
  - \ (backslash)
  - : (colon)
  - | (pipe)
  - < (less than)
  - > (greater than)
  - ; (semicolon)
  - , (comma)
  - ? (question mark)
  - * (asterisk)
- Media Server May Not Support the following Formats:
  - gif
  - tif
  - asf
  - m2p
  - dvr-ms
  - ogg
- Broadcatching cannot work with YouTube RSS Feeds
- Share Name or Share Path cannot be longer 200 characters
- iTunes cannot play video published by iTunes Server
- DyDNS provider 3322 only accept IP address from China
- **Twonky mediaserver related function is NOT compatible with Ipv6, which includes streaming by Twonkey or playzone through Ipv6. The Web page of Twonky is NOT accessible through Ipv6 either.**
- Some strings would be in English when the language setting is in Russian or French. Customers agree with that.
- Decompressed files with any file larger than 2GB inside it can't

be decompressed successfully.

- The external volume in HFS+ format can only be mounted as Read-Only if the journal is enabled.
- The number of dropped packets may raise since the new implementation of official Linux.
- HDD can't enter hibernation mode when transmission, pyLoad, or SqueezeCenter are installed.

Complete Features List:

- Copy/Sync for Copy Button feature
- Link

  Browser Plug-in: Supports IE (for Windows) and Firefox (for all platform)
- Support IPOD web-streaming
- Menu
  - ⇨ Show System Information
  - ⇨ Show Volume Status
  - ⇨ Show Active Session(samba)
  - ⇨ Show UPS Current Capacity
  - ⇨ Show Temperature, CPU Loading, Memory Usage, Fan Speed
- Storage.
  - ⇨ RAID 1
  - ⇨ JBOD
  - ⇨ External USB Disk

    (Read/write support following filesystem: NTFS, FAT16/FAT32, EXT2/3/4, exFAT, HFS+)

    (Read only support : ISO9660, UDF)
  - ⇨ Support 12TB volume size (with two 6TB HD installed)
  - ⇨ When Creating Volume, will show volume status with "Create Volume" in the storage page and system status page.
  - ⇨ RAID Migration: 1disk JBOD -> 2 disk RAID1
  - ⇨ PTP Support (Digital Camera Support)
- Share Management
  - ⇨ Recycle Bin
  - ⇨ Create/Modify/Delete Share.
  - ⇨ Access control (public share/private share/advanced share).
  - ⇨ Support maximum 256 share.

- ⇨ Publish Share to Media Server.
- ⇨ Share Browsing/Folder Browsing.
  - ◆ Copy/Move/Create Folder/Delete Folder/file
  - ◆ Upload File
  - ◆ Rename File/Folder

■ Account Management
- ◆ User Groups
- ⇨ Create/Modify/Delete Account.
- ⇨ Support maximum 512 user accounts.
- ⇨ User Quota Support (for XFS only)

■ System
- ⇨ Date & Time (NTP / Manual Setting)
  - ✓ Time Zone
  - ✓ Manual Daylight Saving
  - ✓ Auto Daylight Saving

■ Network
- ◆ PPPoE Client Support (also supported in NDU client)
- ◆ No Master Browser Setting: Allow Unicode Computer Names in same workgroup
- ⇨ Setting DHCP/Static IP. (Ipv4/**Ipv6**)
- ⇨ Setting DNS Server.
- ⇨ Ftp Server.(Connection Limit range from 1~20 , Idle Timeout range from 30 ~ 300 MINUTES, Customize Passive Mode Port Range)
- ⇨ FTP Server Custom Character Encoding
- ⇨ Support additional HTTP Configuration Port Number Selection

■ AutoUpload
- ■ Automatically Upload Files to Flickr or YouTube
- ■ Having log when en-queued files, file uploaded

■ FTP Uploadr

■ AutoUpload
- ■ Automatically Upload Files to Flickr or YouTube
- ■ Having log when en-queued files, file uploaded

■ Media Server. (Media Server changed Solution)
- ⇨ Publish file types.
- ⇨ Publish Shares.
- ⇨ iTunes Server Support

- ⇨ DLNA 1.5 Support
- ⇨ XBOX360 Support
- ⇨ File-extension support:
- ⇨ Supported format

  - **Audio:** LPCM (not supported as a file format), MP3, WMA, M4A, M4B, MP4, 3GP, WAV, OGG, FLAC, AAC, MP2, AC3, MPA, MP1, AIF, ASF, FLV, DSD
  - **Images:** JPEG, PNG, TIF, TIFF, BMP, GIF
  - **Video:** WMV, MPEG2, MP1, MPG, SPTS, MP4, AVI, VOB, DivX, 3GP, VDR, MPE, DVR-MS, Xvid, M1V, M4V, MOV, MPV, MKV, OGG, FLV, MTS

- **Dropbox**
  - Enable dropbox
  - Disable dropbox

- Printer Server
  - ⇨ Add / Delete Printer
  - ⇨ Cancel Print Job
- Download Service
  - ⇨ Download P2P, HTTP, or FTP files
  - ⇨ FTP authentication supported
  - ⇨ Pause, Delete, Continue Downloads
  - ⇨ Priority
  - ⇨ Max 10 items job processing
  - ⇨ Support Configure Maximum Number of Seeding Job
  - ⇨ Two Keep Seeding Criteria Support: Upload/Download Ratio and Seeding Time
  - ⇨ Resume Completed Torrent Job to Do Seeding Again.
  - ⇨ Support Show Detail Job Information and Configure Comment for Each Job
  - ⇨ Support Download Service Download Period Control
  - ⇨ Support IP Filter Table Management
  - ⇨ Support Encryption in BT Protocol
  - ⇨ Open Share Browser on Location of Completed Job to See

Download Files.

- ⇨ Configurable Maximum number of Connections (max is 500)

- Download Service Notification (RSS Server): Notify Downloaded File from Download Service / Broadcatching Torrent Job
- Broadcatching
  - ⇨ Add RSS 2.0 Feeds with enclosures Only
  - ⇨ Invalid feeds will show red color
  - ⇨ Support encoding other than UTF-8
- DyDNS Client
    - DynDNS (http://www.dyndns.com/)
    - No-IP (http://www.no-ip.com/)
    - 3322 (http://www.3322.org/)
    - zoneEdit (http://www.zoneedit.com/)
    - DHS (http://www.dhs.org/)
    - Thai (http://myzyxel.in.th/)
- Package Management
  - ⇨ Retrieve Package List (from internet server)
  - ⇨ Install/Upgrade package
  - ⇨ Uninstall package
  - ⇨ Enable package
  - ⇨ Disable package
  - ⇨ Cancel Install package
- Maintenance

  - ⇨ Configuration backup/restore.
  - ⇨ UPS shutdown capacity (Not supported in this version yet)
  - ⇨ Power Management
    - Power Resume
    - Power Control Schedule
  - ⇨ SSL: HTTPS, FTPS, Force HTTPS support, CA Management Support
  - ⇨ FW Upgrade:
    - FW Upgrade by uploading FW file.
    - On-Line FW Upgrade.
  - ⇨ System shutdown/restart.
  - ⇨ High Temperature Buzzer alert support
  - ⇨ Over Temperature auto-shutdown support

- ⇨ Logs
  - E-mail Alert (for emergency log of selected log classes) in plain text or HTML
  - E-mail Report (for selected log classes) in plain text or HTML
- Mobile Utility
  - zCloud: An iOS and Android App, which enjoy multimedia content photo / music / video, and also provide file browser in this app
  - ZyXEL Drive: allows you easy remote access to your files and media (Photos/Videos/Musics) that stored on your ZyXEL NAS. This App makes it simple to stream or download contents onto to your iOS Phone/Android Phone from Internet network.
- iSCSI
  - Supports file-type
  - Max number of
    - Lun: 10
    - Target: 10
  - Max size of LUN file: 8191 GB