

## Report of work done in the month of September 2023

The following is the breakdown of work done on ihvnigeria.org as part of the monthly website maintenance and support.

### 1. IHVN website migration Activity – from Amazon AWS to Microsoft AZURE

- Files and dB backup in old server
- New server filesystem formatting
- Files and dB migration to new server
- Installation on LAMP stack for webhosting
- Website files and dB import on new server.
- Website setup and reconfiguration
- SSL certificate installation and management setup
- Network access configuration to fit existing Cloudflare settings.

### 2. General Website Monthly Maintenance

- **Website Content Updates**
  - The website's content is being kept up to date to ensure that it is relevant and accurate. This includes adding new blog posts, creating new pages, updating existing pages among others changes.
- **Website Protection**
  - Security updates:
    - Security patches are released by web development companies to address vulnerabilities in their software. Patches are essential in keeping your site safe from hackers, so installing them as soon as they're available is important.
  - Plugin and theme updates:
    - Website Plugins and themes help to extend the functionality of the website. But like any software, they need to be kept up to date to ensure compatibility with the latest web browsers and security patches.
  - Accessibility testing



- We regularly carry out website's accessibility to ensure that everyone can use site. This includes people with disabilities, people using mobile devices, and people with slow internet connections.
- Security scanning
  - We have installed a security scanning tool on the website to secure the site from any potential threats. Regularly scanning the website would identify and fix security vulnerabilities before they cause any damage, hence protecting both the website and its users from potential harm. ***We will need to upgrade the website security software to a paid version in October for more effective protection.***
- **Website Performance monitoring and optimization**
  - Regular Backend support and database optimization, including CRON job management.
  - Regular platform Upgrade when new version is available.
  - Uptime monitoring
  - SEO monitoring
- **Website Regular backup and data retention.**
  - Website backup is automated and runs daily as part of disaster recovery planning to ensure quick restoration in the event of a major problem like hacking or data corruption.

