

TRAINING TR-102 DAY 8 REPORT

20 June, 2024

Netlify is a cloud platform that offers hosting and serverless backend services for web applications and static websites. It provides features like continuous deployment, CDN distribution, and integration with Git workflows.

1. Setting Up a Project on Netlify:

- Creation of a Netlify account and linking it with a Git repository (e.g., GitHub, GitLab).
- Walkthrough of the deployment process using Netlify's web interface or CLI.

2. Deployment Strategies:

- **Automatic Deployments:** Triggered by commits to a linked repository.
- **Manual Deployments:** Triggered via the Netlify dashboard or CLI commands.

3. Custom Domain Integration:

- Configuring a custom domain name for the deployed site on Netlify.
- Managing DNS settings and SSL certificates through Netlify's interface.

4. Additional Features:

- **Forms Handling:** Utilizing Netlify Forms for collecting and processing form submissions.
- **Serverless Functions:** Implementation of serverless functions for dynamic backend functionalities.

5. Monitoring and Analytics:

- Overview of analytics tools and monitoring capabilities provided by Netlify.

DETAILED EXPLORATION OF NVDA SCREEN READER

NVDA (Non Visual Desktop Access)

NVDA is a free, open-source screen reader for Microsoft Windows, providing access to computer applications and the web for visually impaired users.

Key Points Covered:

1. Installation and Setup:

- Downloading and installing NVDA on a Windows machine.
- Configuration options for speech and braille output.

2. Basic Navigation and Interaction:

- Navigating through applications and web pages using keyboard shortcuts.
- Interacting with different elements such as links, forms, and headings.

3. Web Accessibility Testing:

- Using NVDA to evaluate the accessibility of web pages:
 - Testing keyboard accessibility.
 - Checking semantic markup and ARIA (Accessible Rich Internet Applications) roles.

- Verifying alternative text for images and labels for form controls.
- 4. **Advanced Features:**
 - Customizing NVDA settings based on user preferences and specific needs.
 - Integrating with other assistive technologies or devices (e.g., braille displays).
- 5. **Challenges and Best Practices:**
 - Identifying common accessibility issues and best practices for addressing them.
 - Strategies for developers and designers to enhance web accessibility.

Conclusion

Day 8 of training provided practical experience in deploying websites using Netlify's platform and an in-depth exploration of NVDA screen reader functionalities. Participants gained valuable insights into cloud hosting, continuous deployment workflows, and accessibility testing using assistive technologies.