

INFOSYS ACCESSIBILITY PLATFORM

Making Technology Accessible

Digital accessibility and inclusivity are the need of the hour. According to the [World Health Organization](#), about 16% of the world's population has some form of disability and face challenges in using digital media. A 2023 study by [Web Accessibility in Mind](#) found that 96.3% of the top one million home pages had Web Content Accessibility Guidelines (WCAG 2) conformance failures limiting its usage for people with disabilities. Digital inclusivity goes a step forward in avoiding bias and discrimination, enhancing brand reputation and audience reach. To address the challenges, Infosys has developed the Infosys Accessibility Platform (erstwhile iATT), an AI powered end-to-end accessibility and inclusivity solution covering all the life cycle stages and digital formats matching international standards.

The Infosys Solution

Infosys Accessibility Platform, housed under Infosys Topaz is an AI powered, cloud ready solution with enterprise deployment capabilities and built in intelligence automation. It helps organizations to be aware, adopt, assess, and remediate accessibility issues on various digital platforms. It is designed to provide a 360° accessibility solution, covering all aspects of the application lifecycle.

Web accessibility audit component of the platform enables enterprises to assess accessibility of web applications against WCAG guidelines and remediate the anomalies seamlessly.

Accessibility compliance for mobile application checks usage of accessibility tags against WCAG for Android/iOS apps checks for vision impaired, size, color contrasts and dexterity.

PDF accessibility checker performs automatic validation of WCAG for documents and has in built capability to tag untagged pdfs using [Adobe PDF Accessibility Auto-Tag API](#) for improved accessibility.

Key Features

End to End Accessibility Solution

- Above 60% WCAG guideline coverage
- Web content analysis
- PDF content analysis
- Mobile content analysis

Powered by AI

- Web Content Checker using Gen AI
- Color Contrast Checker
- Color Blindness
- Speaker Diarization

Insightful Reporting

- Reporting defects with code reference and recommendation
- Dashboard and summary reports
- Overlay reports
- Excel and PDF reports

Accessibility by Design

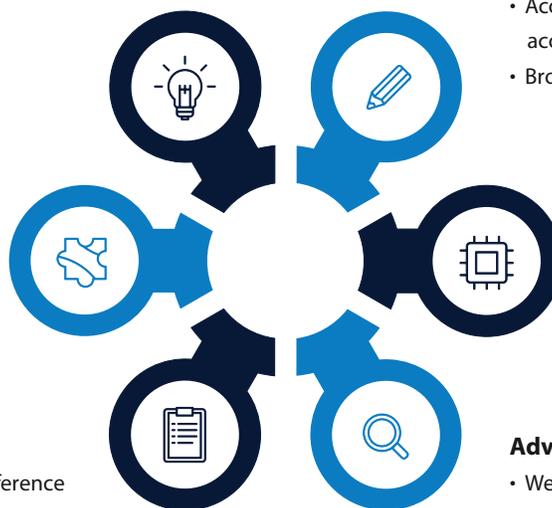
- Accessibility by Design guidelines
- Accessible UI using VSCode IDE accessibility plugin
- Browser plug-in for single-click scan

DevOps Integration

- CI/CD plug-in for continuous compliance check
- REST APIs work with any third-party tool/script
- Jira integration for quick remediation

Advanced Scans

- Webpage and source code scan
- Interactive automation flow
- Scheduled scan
- Depth and authenticated page scan



Platform Differentiators

Accessibility by Design Design Guidelines, IDE Plug-in and extensions for browsers right from design phase	Accessibility Audit Accessibility audit to ensure conformance to WCAG 2.1, STQC, Section 508, ADA, DDA, and BITV	Sophisticated Rules Engine An in-built rules engine that provides more than 60% coverage
Multi-channel Support Accessibility compliance check on web, mobile, and PDF documents	Remediation Overlay reports to accurately fix issue and Integration with Adobe PDF Accessibility Auto-Tag API for PDF remediation	Cloud-deployable Architecture Scalable architecture that caters to enterprise and is ready for cloud deployment
Works well in CI/CD In-built CI/CD plug-in for Jenkins. REST APIs and SDK compatible with CI/CD and automation tools	Intuitive Reports Reports for various stakeholders in the form of PDF, spreadsheets, overlay and VPAT reports	Multiple Scan Options Online scan and offline scans Authenticated page scan and Functional flow scan

Benefits

- Helps formulate accessibility and inclusivity strategy for organizations
- Aids early adoption, validation, and remediation using rich platform capabilities
- Provides greater reliability in test results compared to manual testing
- Saves overall accessibility testing effort by 50% and regression testing effort by 75%

Why Infosys?

Infosys has deep expertise in user experience, connected devices, and accessibility testing. With extensive experience across industries and geographies, we help enterprises design and implement successful accessibility and inclusive strategies to meet their specific needs.

Success stories

- A public transport company increased their testing efficiency by 60% by implementing the Accessibility for Ontarians with Disabilities Act (AODA) guidelines using the audit tool. The Infosys team used the platform to validate 41,000+ web pages and 8,300+ PDFs on the company's website across desktop and mobile devices in a span of 3 months.
- Indian government agency had the requirement to make its portal accessible for all by ensuring compliance to GIGW 2.0 guidelines. Infosys Accessibility Platform offered an easy and automated way to detect the accessibility guideline failures and early detection of non-compliance items. The offering ensured 80% plus GIGW guideline coverage, fast analysis and fixes resulting in overall financial savings of 57.4 K USD per year.

For more information, contact askus@infosys.com



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