

## INFOSYS ACCESSIBILITY TESTING TOOL

The World Wide Web needs to be accessible to a large section of the differently-abled population. About 20% of the global population suffers from some form of disability and a large part of the World Wide Web (about 97%) is not accessible to this differently -abled population. Disabilities include visually challenged users, low-vision users, color-blind users, hearing impaired users, users with a motor disability, and users with cognitive

disabilities.

Addressing these issues and helping enterprises achieve enhanced web accessibility for differently-abled users better, faster and cheaper Infosys developed **Infosys Accessibility Testing Tool**.

**Infosys Accessibility Testing Tool** (iATT) earlier known as **Infosys iProve** is a product for Web Accessibility Assessment

and Remediation. iATT leverages built-in intelligence to automatically analyze accessibility issues of websites and provides detailed reports including recommendations to make websites accessible. iATT delivers comprehensive web accessibility and visual consistency assessment, hence reducing the time, cost, effort as well as errors involved in assessing and fixing web accessibility issues.

### Key Features



#### Intelligence

Web accessibility rules and crawling of Web page. Recommendations targeted at guidelines conformance, incorporating best practices for accessible Website design.



#### Compliance Check

Web Accessibility compliance to W3C standards such as WCAG 1.0, WCAG 2.0, WCAG 2.1 as well as country specific accessibility requirements such as, Section 508 of US, DDA of Australia, DDA of UK, ADA of the US etc. iATT Reporting Includes PDF reports, Excel as well as HTML overlay reports on the website being analysed.



#### Visual Consistency

The Visual Consistency feature allows the tool to identify style and structural mismatches as well as non-responsive hyperlinks and images.



#### CI/CD Plugin

iATT also features a web accessibility plugin that can be utilized via a Continuous Integration, Continuous Delivery (CI/CD) tool.



#### Browser Extension

The tool also features a separate module for browser extension. Which when installed in the browser, helps users to perform accessibility assessment for websites.



#### Depth Scan

The Depth Scan feature enables the tool to scan the entire website for discrepancies and required enhancements.

## iATT Differentiators



### Analysis

Analysis based on Accessibility Parameters for HTML elements as well as contextual semantic content in the webpages resulting in better analysis and results.



### Reporting

Multiple reporting options including HTML overlay, Excel as well as PDF reports targeted at business users and developers. Code Snippets are added in reports to help trace the issues.



### Rule Engine

Webpages validated against set of rules and recommendations drawn from several accessibility guidelines; and design best practices from hundreds of websites across industries.



### Intelligent Crawling Engine

Advanced algorithms based on guidelines as well as accessibility accommodations.



### Accessibility Guidelines

Conformance to WCAG 1.0, WCAG 2.0, WCAG 2.1, STQC Guideline, Section 508, ADA, DDA Australia, DDA UK, BITV Germany etc.



### Multiple Browser Support

IE and Chrome can be used to launch iATT.



### Visual Consistency

Checks for consistent use of visual design elements across web pages.



### W3C Compliance Check

Validates web pages on W3C HTML coding standards. It also analyses the webpage for broken links, inaccessible images/links and no-alt images.



### Multiple Scan Options

Online Scan for live URL and Offline scan using HTML file upload. Authenticated Page scan for secure websites.

## Benefits

- Enabler for enterprises to achieve enhanced web accessibility.
- Helps formulate Web Accessibility strategy for web applications.
- More reliable test results compared to manual testing.
- No more expensive testing in terms of time and resources.
- Drastically reduces time, cost, effort as well as errors in assessing and fixing web accessibility issues.

For more information, contact [askus@infosys.com](mailto:askus@infosys.com)

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