

# Browsium Ion: Compatibility and Security for Mission Critical Applications

## Introduction:

Ion is a revolutionary solution designed to enhance the compatibility and security of mission-critical web applications. By leveraging a client-side approach, Ion enables organizations to achieve secure and functional operations without the need for server-side code changes. This document highlights Ion's key features and benefits, emphasizing its ability to ensure compliance, maximize return on investment (ROI), and securely utilize legacy systems until they are ready to be replaced.

## Key Features:

1. **Centrally Managed Profiles:** Ion utilizes centrally managed profiles that are hidden from the end user. These profiles store essential configurations, eliminating the requirement for extensive modifications on the server-side. This streamlined approach simplifies implementations and reduces development time.
2. **Java Version Management:** Ion offers comprehensive Java version management, allowing organizations to seamlessly manage different versions of Java required by their applications. This feature ensures compatibility and enables smooth operation without conflicts.
3. **Application Sandboxing:** Ion provides a secure sandbox environment that isolates web applications from the wider internet. This isolation prevents unauthorized access and protects critical data from potential threats, ensuring the highest level of security for mission-critical applications.
4. **Continued Use of Deprecated ActiveX Platforms:** Ion enables safe operation of underlying legacy technologies such as ActiveX, Silverlight, and Flash.
5. **String Replacement:** Ion allows organizations to modify specific strings within web applications, facilitating customization and migrations of legacy applications while ensuring compatibility with modern browsers.
6. **Legacy App Compatibility:** Ion ensures compatibility with legacy applications by providing a bridge between outdated systems and modern browser environments. This compatibility empowers organizations to maximize their return on investment by securely utilizing legacy systems until they are ready for replacement or migration.
7. **Compliance Adherence:** Organizations can define granular policies using Ion, ensuring compliance with regulatory and business requirements. Ion allows for full environment lockdowns or policy exceptions at the URL level, granting flexibility without compromising security or compliance.
8. **Regression Testing:** Ion facilitates regression testing, enabling organizations to verify the functionality and performance of their applications during migration or updates. This feature ensures that critical applications remain robust and reliable throughout the development lifecycle.

## Benefits:

1. **Enhanced Security:** Ion's process isolation and settings management significantly reduce potential attack vectors, enhancing overall security. Organizations can effectively lock down the browser environment, safeguarding critical assets, and minimizing security risks.
2. **Maximized ROI:** By securely utilizing legacy systems, organizations can maximize their return on investment. Ion allows for the continued operation of legacy applications until they are ready to be replaced, ensuring uninterrupted business processes while optimizing resources.
3. **Futureproofing:** Ion enables organizations to transition smoothly from legacy systems to modern applications at their own pace. It provides a secure and compatible bridge, allowing organizations to adapt to evolving technology landscapes while maintaining productivity and efficiency.

## Conclusion:

Ion is the ultimate solution for achieving compatibility and security in mission-critical web applications. Its features, including centrally managed profiles, sandboxing, string replacement, and legacy app compatibility, empower organizations to securely operate legacy systems while adhering to compliance requirements. With Ion, organizations can maximize their ROI, ensure a secure infrastructure, and seamlessly transition to modern applications when they are ready.

Short Demo: [Browsium Ion | Browsium – Browser Management for Enterprise](#)