

Intuit and Nexus

Using Nexus Repository Manager to Simplify and Speed Development



Intuit chooses Nexus repository management to simplify and speed development

Computer Software | Mountain View, CA

About Intuit

Intuit, Inc. provides business and financial management solutions for small and medium sized businesses, financial institutions, consumers, and accounting professionals in the United States, Canada, and the United Kingdom. The company offers QuickBooks financial and business management software and services, technical support, financial supplies, and Website design and hosting services for small businesses; and small business payroll products and services, as well as merchant services comprising credit and debit card processing, electronic check conversion, and automated clearing house services. It also provides TurboTax income tax preparation products and services for consumers and small business owners; Lacerte and ProSeries professional tax products and services, and QuickBooks Premier Accountant Edition and the QuickBooks ProAdvisor Program for accounting professionals. In addition, Intuit offers outsourced online banking services for banks and credit unions, as well as Quicken personal finance products and services, Intuit real estate solutions. The company was founded in 1983 and is headquartered in Mountain View, California.

The Challenge

Prior to implementing Apache Maven and Nexus Pro (formerly Nexus Professional), Java projects were mostly built with Ant, and sometimes by the IDE. Visual Studio was used for C++ and .Net projects. Software artifacts were managed using Artifactory and an SMB file share, and teams were frequently faced with challenges of builds failing in Artifactory.

Intuit was moving to a software development methodology where one central team (“core group”) would write, test, and then publish components. Those components could then be used by any team that needed them in their build. At the same time, use of open source components has also grown within the

company. In order to support the new approach, the company needed a new way to share components.

Intuit was looking to improve developer productivity while maintaining control over what third-party artifacts were used by the teams.

Why Sonatype?

In their search for a new solution, Intuit engineers saw that open source artifacts are much easier to manage and build with Maven. They were further convinced by the fact that many more open source projects are using Maven than Ivy/Ant.

Intuit chose Nexus Pro based on its higher performance compared to Artifactory, as well as P2 repository support, staging, and procurement features. Sonatype's Nexus Pro support was also very important.

Results

After a transition period following the implementation of Maven company-wide, Intuit standardized company-wide on Maven for building its software. Teams are benefiting from seamless integration with systems such as Sonar, Hudson, and many other tools currently in use inside the company.

Nexus Pro has been providing a very stable platform for repository management of internal and third-party artifacts. Several business units have successfully utilized the staging feature, allowing the teams to be instantly in sync on internally developed artifacts, and virtually eliminating miscommunication about which components should be used.

By switching to Maven and Nexus Pro, Intuit was able to build a complete CI system integrating testing and static analysis tools with a minimum of effort.

“At Intuit, we recognize that as builds grow and the teams who create them change over time, swift, accurate repository management becomes critical. Nexus provides a comprehensive, easy-to-use solution that lets teams and developers track, search, organize and access build components”