

OSGi ALLIANCE CELEBRATES 20TH ANNIVERSARY WITH GLOBAL ADOPTION AND MILESTONES OF SUCCESS

SAN RAMON, Calif. — March 26, 2019 — The [OSGi™ Alliance](#) is proud to celebrate its 20th anniversary, marking two decades of growth and rising influence as a global consortium creating open specifications that enable [Java modularity](#) and [microservices](#). Over the last 20 years, the OSGi Alliance has been productive in introducing well adopted technologies including the Whiteboard Pattern, dynamic dependency injection with Declarative Services, Configuration Admin and Remote Services.

Designed for the long term, OSGi technology is well-architected and it offers software modularity and services that have stood the test of time and have remained compatible through the many iterations of specifications. The OSGi Core Specification has continuously set the high bar as demonstrated by the current OSGi Release 7 (R7) Core Specification which is backward compatible with all other releases validating that the OSGi Core Specification has provided a stable platform for developing modular Java applications for nearly two decades.

Not only has OSGi achieved stability over the years within its own platform, the technology has continued to keep pace with external developments such as those of the Java platform. The current OSGi R7 Framework implementations run on top of Java 9, 10 and 11 without requiring any changes to existing OSGi application bundles.

“It’s exciting to recall how OSGi has been trailblazing the way for 20 years,” said Dan Bandera, President of the OSGi Alliance. “Our members working together have pioneered and delivered many technology developments. The Alliance has proven to be a greenhouse for bringing some of the most creative, and brightest minds together, providing an environment for sharing and learning that has resulted in benefits to the software industry as a whole.”

OSGi has been and continues to be designed by member collaboration and this has led to the development of a truly flexible architectural platform and development environment. Almost all of the leading Java software vendors have participated in the Alliance over time contributing Intellectual Property for royalty-free use by implementers and users. The OSGi Alliance was created to deliver a modular and service-based solution for embedded (now referred to as IoT) and this original mission has resulted in OSGi technology being well ahead of industry trends. Offering a reactive model from the start, OSGi was reactive before it was fashionable and also offered [microservices](#) before the term was coined in early 2010. Another fundamental concept offered since 2011 is the Requirements and Capabilities model. This allows an OSGi bundle’s requirements to be matched with the capabilities of other bundles providing an elegant and powerful way of assembling an application. We have also adopted capabilities created elsewhere, for example since OSGi Release 6, we have defined and use Data Transfer Objects (DTOs) in our specifications. This provides for lightweight data interchange especially when serialization/deserialization of data is required.



The OSGi Alliance's approach has always been to consider the cohesive whole, integrating all capabilities together. Our members continue to enhance and expand the capabilities that OSGi offers. These have included CDI Integration, Asynchronous Services, Promises and Push Streams now available with OSGi Release 7. OSGi members are already planning Release 8 and the OSGi Alliance looks certain to continue to build on the proven foundations delivered to date.

OSGi Alliance welcomes technical contribution and organizations interested in joining the Alliance. For information on membership, opportunities to engage or how to contribute to OSGi Release 8, please visit www.osgi.org.

About OSGi Alliance

OSGi provides a vendor-independent, standards-based approach to modularizing Java software applications and infrastructure. Its proven services model enables app and infrastructure modules to communicate locally and distributed across the network, providing a coherent architecture for Cloud, IoT, and Enterprise services. OSGi specifications are tested and ready now to provide highly scalable remote management and effective maintenance over the long term.

A wide range of open source projects and commercial products use OSGi technology, which is applicable to Cloud, IoT and enterprise markets. The OSGi Alliance is a global non-profit technology corporation. Visit www.osgi.org, follow us on Twitter @OSGiAlliance, join our LinkedIn Group, or contact us directly at info@osgi.org.

###

OSGi is a trademark or registered trademark of the OSGi Alliance in the United States, other countries, or both. Java and all Java based trademarks and logos are trademarks of the Oracle Corporation in the United States, other countries, or both. All other product or service names are the property of their respective owners.